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Internet Learning Communities and Tpack in Higher Education

Reena[1], Dr. Aruna Anchal[2]
[1]Ph.D. Research Scholar, Dept.of Education, Baba Mastnath University, Asthal Bohar, Rohtak
[2]Professor, Head, Dept.of Education, Baba Mastnath University, Asthal Bohar, Rohtak(Haryana)
Corresponding Author- Dr. Aruna Anchal
Email: dr.arunaanchal@gmail.com
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Abstract:

The worldwide demand for the replacement of conventional classroom techniques with technological pedagogical content knowledge-based teaching and learning resources can be met with the help of educators who have embraced the integration of information, communication, and technology (ICT). TPACK is seen as a key component in India's transformation toward the country's future growth. The Ministry of Education recognizes the value of incorporating lessons and activities based on technological advancements into the national program, and has done so in its most recent Education Blue print (2013-2025). The purpose of this research is to examine how instructors feel about the use of technological pedagogical content knowledge-based teaching and learning in the classroom. One of the most important elements in the effectiveness of technology-based teaching and learning is instructors' preparedness with ICT tools and facilities, according to the results. It was also discovered that instructor training and growth initiatives played an important part in improving pupil learning. Future research should take into account the managerial perspective on ICT incorporation in terms of strategy planning and policy making.

Introduction:

In order to fully influence the modifications and possibilities of a mix of digital technologies and their accelerating impact across society in a strategic and prioritized manner, businesses and organizations must undergo digital transformations, which entail a wide range of changes to their activities, processes, competencies, and models. Integrating digital technology across the board is another aspect of digital change that will test employees and upper management alike as they learn to work with new tools. This chapter hones in on the tactics that must be modified to facilitate the shift from traditional lecture halls to virtual lecture halls. To achieve this goal, one must have experience instructing and learning in a traditional classroom setting (Learner, Material, and Instructor) and provide features and functionality that mimic those of a traditional classroom (Learner, Content, and Facilitator). Facilitators can aid in change through practices like Learning Dialogs (LeD), Learning by Doing (LbD), and Learning eXperience Interaction (LeXI) (LxI). This chapter focuses on the ways in which technological pedagogical content knowledge-based teaching and learning is changing the face of educational resources. The skills covered in this chapter include making online tests and tasks, creating spoken lessons, designing a visual split classroom, and making a personal website.

Multiple findings have been presented that suggest new ideas are necessary in the wake of technological advancements. Learning management system data from 2015 in Japan was analyzed by Ueda and Nakamura (2017), who also incorporated real-time user input. Usability variables (i.e., perceived ease of use, perceived utility, and happiness) and external support (i.e., instructor and peer support) on students' use results of MOODLE in a mixed learning setting were the focus of a study by Ifinedo et al. (2017). Using MOODLE course records and pivot table features, Doobashi (2017) explains how to evaluate students' page view activity in a face-to-face hybrid learning setting. For more information on the current status of plug-ins and how they can be used to help enhance and expand opportunities for student participation in the classroom, check out Munoz et al. The ability to effectively educate and learn across multiple media forms is crucial. Within the context of a university interactive classroom partner work activity, this research investigates the mode(s) and mode(s) combinations used by English - Medium Instructors (EMIs). Hung and Chen (2018) leveraged the swarm intelligence of an online community to help educators design engaging Interactive Learning Activities (ILAs) that could be integrated into video lessons to boost students' ability to follow along and remember what they had learned. Video-recorded lesson, as Szpunar et al. (2014) exemplified, is a fundamental component of most online learning systems. Interpolating between real and expected success can be aided by memory tests and video recordings of classes. Teaching student nurses human anatomy and physiology with video-based lessons is associated with better test outcomes, according to research by El - Sayed et al. (2013). This finding reflects an empirical method of gauging the extent to which students are making use of the videos.

Technology Resources for Collaborative Instruction and Learning:

In order to use technological pedagogical content knowledge-based teaching and learning effectively in the workplace, including conducting an effective search, comprehending search results, and selecting the best result from among them, digital literacy is an absolute necessity. Those who are technologically literate are better equipped to help their students in all aspects of their education. It can also help educators get ready to be more creative, efficient, and successful in the classroom and in the job. In this chapter, we look at how MOODLE (Modular Object-Oriented Dynamic Learning Environment) was used to design and develop a Lesson Activity, WordPress was used to create webpages, Microsoft PowerPoint was used to create visual presentations, and Screencast-o-Matic was used to record these presentations.

Using Moodle for Activity Planning and Creation:

A learning platform or Course Management System, MOODLE (Modular Object - Oriented Dynamic Learning Environment) is named after its acronym. It is a publicly accessible open-source software program intended to assist instructors to build successful online classes with video lessons, task and exams. The MOODLE is a freely available learning management system that can be customized and shared with others. The MOODLE is accessible to programmers and web designers working in any environment, including UNIX, Linux, Windows, Mac OS X, Netware, PHP, and more. MySQL and PostgreSQL are the preferred database management systems, but Oracle, Access, Interface, ODBC, and others can be used as well. Teachers can quickly and easily distribute the MOODLE-created materials they've designed to their classes. MOODLE's main selling points are its adaptability to individual needs, its mobile app for use on smartphones and tablets, its capacity for real-time interaction and assessment, its openness and analytics, and the wide array of tools it offers for managing courses. The MOODLE has a built-in chat feature. Blackboard Collaborate and Ultra, Big Blue Button, Zoom, and WebEx are just a few of the digital learning tools that have complementary add-ons. It's possible that you'll need a separate license in order to make use of these educational resources. MOODLE's flexibility and adaptability make it a useful tool for automating and personalizing the assessment of students. Learning the MOODLE's quiz interface is a difficult task, and teachers' time is often wasted on the process. MOODLE has a great content repository that lets instructors add files to a course from anywhere, be it a cloud storage service like Dropbox or a more traditional storage medium like a computer's hard drive. All students, regardless of their physical or mental abilities, should have no trouble using the MOODLE. Teachers (instructors) should make sure that students can easily access their course materials online, including pdf, video, and PowerPoint files.

MOODLE can be used to conduct in-depth analyses of pupil achievement. MOODLE's robust reporting and logging capabilities make it easy to monitor each learner's development over time. Course-by-course analysis of this sort is possible. In order to use it effectively, a teacher should have a proper training. There are a number of features, such as publisher integration, that can be toggled on and off in the MOODLE at the system level. A course management system allows for individualized course configuration. The teachers can use MOODLE as a file repository. Through a course management system, a company can consolidate its training programs. Because, MOODLE has a huge number of customization options.

Spoken Tutorials Using Screencast - O – Matic

If you want to make a voice-over lesson, you can do so at https://screencast-o-matic.com. You can use it without creating an account or signing in, so no registration is needed. It's quick, easy to use, and doesn't cost anything to capture your screen. When you hit the capture button, an exterior window will show up. Then, by approving or starting or anything that is positive that just hit on activating the device. When you press the "Record" button, a new transparent window will open up that records your screen, webcam, or both. The choice “screen” can be used to make the spoken lesson through the screen video. If you select "webcam," the camera will focus on the person in front of it rather than the screen, allowing you to create a spoken tutorial. Choose "both" to capture your screen and face on camera while you give a spoken tutorial. Further, in the same window, maximum time that the recording can be done is seen, for free version maximum of 15 min can be recorded. However, multiple lessons with spoken instructions can be taped (tutorial 1, tutorial 2, etc.). The “size” of the screen can also be varied such as 480p, 720p, and full screen, where the dashed line enlarges its size upon increasing the size. Full screen mode will record everything shown in the screen. The final selection in this box is "narration," which will identify the computer's microphone. Once the record button is pressed, a countdown appears, at which point the tutorial's subject matter can be discussed.

Flipped Classroom Using Visual Presentation:

The reversed classroom is an innovative method that has been adopted to simplify and improve the educational process. Activities can be either in-class or outside of class. In-class activities include things like tests, discussions, ideation sessions, think-pair-shares, team-based assignments, and individual or small-group lessons. The students' extra credit assignment is to distribute links to videos created using screen cast-o-matic and posted to YouTube. Homework problems with more examples, math assignments, virtual laboratory exercises, document analysis, class discussion, project demos or presentations, peer learning, poster displays, and concept map creation are just some of the in-class activities that are reimagined in flipped classrooms.

Website Creation Using Word press:

Website content management systems are used to keep all of the multimedia files, still images, and written text online. The process of creating, updating, and publishing a website's content is simplified. In May of 2003, Matt Mullenweg, and Mike little created Word Press. Open-source status will be achieved in October 2009. Word Press allows you to create a website that is both easy to use and versatile.

The Role of Technological Pedagogical Content Knowledge-Based Teaching and Learning and Online Classrooms in Higher Education:

We present a paper that focuses on 21st-century skills from the standpoint of Technological Pedagogical Content Knowledge (TPACK). TPACK is a popular theoretical strategy among researchers looking into the ICT use of (pre-service) teachers (Voogt et al., 2013). One way to think of TPACK is as an adaptable framework for different kinds of research. It is impossible to separate technology and education in the twenty-first century. and instruction that incorporates technology. Technology improved the curriculum and made learning more enjoyable (Das, K., 2019). Instructors and pupils are always on the move. using a range of technologies. One actively utilized in teacher education because of looking into data related to teachers 'and pre-service teachers' the use of ICT in the classroom is to determine its technological pedagogy Knowledge of Content (TPACK). The Koehler-introduced TPACK framework the Mishra group (2005).

Technology, pedagogy, and content knowledge (TPACK). Numerous studies (e.g., Choy et al., 2009; Pamuk, 2012) have demonstrated that preservice teachers' familiarity with technology-based instruction is another important factor that impacts their ability to integrate technology into mathematics instruction. Building on Shulman's (1986) construct of pedagogical content knowledge (PCK), Mishra and Koehler (2006) developed the technological pedagogical content knowledge (TPCK) framework, now known as the technology, pedagogy, and content knowledge (TPACK) framework, to identify and understand what knowledge teachers need to incorporate technology into their teaching. The technological content knowledge (TCK), technological pedagogical knowledge (TPK), and TPACK (also known as TPCK) are the three main knowledge domains that make up the TPACK framework. The intersections between and among these domains are also included.

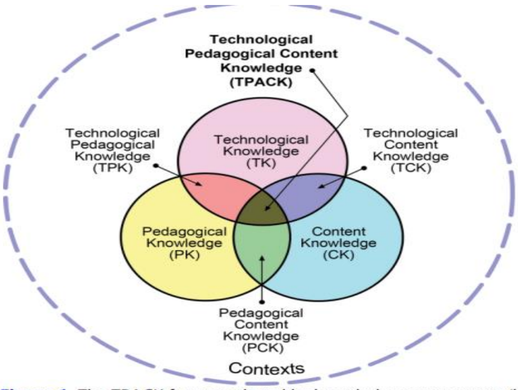

Figure 1. The TPACK framework and its knowledge components (http://tpack.org)

Components of TPACK	**Description**
Content Knowledge (CK)	Knowledge of the actual subject matter to be learned or taught, including central concepts, theories, and organizing or connecting ideas.
Pedagogical Knowledge (PK)	Knowledge of the processes and practices or methods of teaching and learning, including classroom management, development and implementation of lesson plans, and student assessment.
Technology Knowledge (TK)	Knowledge of the standard and advanced technologies, including the skills to install, remove, and operate particular technologies.
Pedagogical Content Knowledge (PCK)	Knowledge of pedagogy that is applicable and appropriate to teaching specific content.
Technological Content Knowledge (TCK)	Knowledge of the manner in which technology and content relate to, influence, and constrain each other.
Technological Pedagogical Knowledge (TPK)	Knowledge of the capability of various technologies including affordances and constraints that influence pedagogical designs and strategies in a teaching and learning setting.
Technological Pedagogical Content Knowledge (TPACK or TPCK)	Knowledge of the interaction among content, pedagogical, and technological knowledge that requires an interweaving of specialized knowledge for teaching with technology.

At the dawn of the 21st century, the significance of the Internet and other digital instruments in higher education is beyond dispute. Because of advances in information technology, this sector is undergoing rapid transformation, posing new challenges to those involved in the field of education. These alterations give rise to fresh concerns and inquiries. Is it feasible to use social networks and web 2.0 apps in education, and how do technical possibilities and demands change higher education? When and how should technology be incorporated into classrooms? In order to maintain digital progress, what updated skills do educators and pupils need? Incorporating new technologies into academic practice is one way for universities to stay up with the pace of innovation. The purpose of this poll is to learn more about the online settings of higher education and to uncover faculty and student perspectives on leveraging trendy digital tools for pedagogical ends. The study is also looking into the efficacy of network-based and e-learning strategies in higher education, as well as the impact of web 2.0 apps on the learning process.

The Internet is a vital part of modern society; its user base is rapidly expanding; and web 2.0 applications continue to enjoy widespread acclaim. The educational system is just one area that has been altered by the widespread impact of the technological transformation. Innovations in technology affect societal growth by influencing the ways in which people communicate, study, and spend their leisure time. Online and participatory classes are now possible thanks to the proliferation of the Internet, the rise in appeal of web 2.0 apps, and the development of network-based learning theories. The term "online educational setting" refers to a wide range of factors, including instructional strategies, technical resources, and teaching tenets. The knowledge-based society values education's process of discovering new methods and frameworks. Higher education institutions are beginning to see more and more cultural, emotional, communicational, and social distinctions, attitudes, and expectations from their students as a result of the shifting social and economic contexts. The rapid pace of technical development makes it difficult to keep up, while competing ideas about how best to study and amass knowledge continue to develop. As a result of the rapid advancements in IT over the past few decades, higher education has been impacted and the learning atmosphere has been drastically altered. This has a beneficial effect on the proliferation of e-learning because it suggests the existence of novel opportunities and challenges. E-learning, or "educational action using electric technology or instruments," encompasses studying via computers and the possibilities of the worldwide web as well as traditional classroom settings. The most far-fetched definition of e-learning states that it is "every act of learning that happens through the use of tools of information and communication," which contributes to the expansion of the knowledge market by providing novel and supplementary responses to questions about education and training.

There has not been a widespread adoption of either e-learning or the incorporation of web 2.0 apps into the classroom. ICT (tools, technologies, arranging acts, creative processes that aid and develop the creating, disseminating, saving, and recording of information and communication) has been incorporated into the approach of distance learning. With the growth of the Internet, e-learning can become widespread as a novel and efficient instructional method. This study's findings provide valuable insight into the mindsets, routines, and points of view of key education stakeholders. Research involving educators is, in my opinion, crucial. Competencies in using digital tools and conveying ideals play an essential part within professional action. One of the biggest unknowns in higher education is how the technological pedagogical content knowledge and online learning setting will change, how widely e-learning resources will be used, and whether or not formal ICT variables, such as the ICT skills of teachers, will be created.

Tpack Integration in Education:

The advances and societal transformations brought about by ICT have completely altered how people learn, work, and exist in today's world. It is important for schools and other educational organizations that aim to prepare their pupils for life in "a information society" to consider how to incorporate Technology into their curricula as part of this process. Teachers are seen as the pivotal figures in the everyday implementation of Technology in schools, and in training students for the current digital age. This is because Technology can create an engaging and purposeful classroom setting. There is no question that the use of technology in today's culture is on the rise, particularly when it comes to education. This is because there are so many resources available now that can be used to enhance classroom instruction and student learning. ICT integration is defined by Rosnaini Mahmud and Mohamed Arif (2008) as the procedure of figuring out how and where technology should be used in the classroom. The internet makes it possible for anyone, anywhere to gain access to freely available knowledge. The use of Technology has been shown to enhance pupil learning and teaching methods around the world. In addition, Technology has the ability to help pupils get ready for 21st-century careers and lifestyles. Students gain the knowledge and comprehension they need to tackle future obstacles thanks to the Computer skills they acquire in school. According to Bransford, Brown, and Cocking (2000), students' use of ICT can aid in their acquisition of skills essential in today's interconnected world. This is due to the fact that pupils can benefit from Technology in terms of skill development, incentive, and information acquisition.

The education system in India is designed to prepare pupils for the modern job with skills in technology, creativity, and technological literacy. As a result, the country will be better equipped to adapt to the rapid pace of globalization. As a result, strategy planning for ICT incorporation in the Indian education system must take into account the importance of a successful ICT-based program. This will guarantee that the system's technological investment choices are well-planned and maximized. The ever-changing character of educational technology makes its incorporation a difficult job. As a result, strategic preparation for the incorporation of Technology in teaching is seen as crucial to the advancement of the field. According to the literature, the incorporation and application of ICT in the Indian education system is a complicated process that calls for deliberate planning on the part of policy and decision makers due to the problems and challenges linked to the use of learning tools in the system.

Teaching and Learning with Technology:

Technology is a hot topic in many sectors of society in the twenty-first century, including schooling. This is due to the fact that in many nations, technology has replaced traditional means of spreading information. The advances and societal transformations enabled by the widespread adoption of technology in the present day have fundamentally altered people's ways of thinking, working, and living. It is important for schools and other educational organizations that aim to prepare their pupils for life in "an information society" to consider how to incorporate Technology into their curricula as part of this process. The use of digital means of contact in the classroom is known as "information, communication, and technology integration" (ICT integration). Teachers are seen as the pivotal figures in the everyday implementation of Technology in schools, and in training students for the current digital age. This is because Technology can create an engaging and purposeful classroom setting. When we talk about the advantages of networking the learning communities to meet the challenges of modern globalization, we're not just talking about the goal of integrating ICT, which is to enhance the quality, accessibility, and cost-effectiveness of the transmission of teaching to students. The process of adopting ICT is not a one-and-done deal; rather, it entails continuing and constant steps that provide comprehensive support for instruction and scholarly research.

The term "ICT integration in education" (or simply "ICT integration") refers to the use of educational tools in the classroom. The problem of ICT incorporation in schools, particularly in the classroom, is critical because students are accustomed to and thrive in a technology-based learning setting. This is due to the fact that incorporating ICT into the classroom has been shown to improve student learning by providing students with the resources they need to succeed. It is correct to state that almost all categories of subjects begin from mathematics, science, languages, arts and humanities and other important disciplines can be taught more effectively through technology-based tools and equipment, lesson plan. Furthermore, ICT offers assistance and supplementary resources for both educators and pupils when it comes to making efficient use of computers as instructional tools. Technology and computers are not seen as a replacement for qualified educators, but rather as a means to enhance the learning process. The importance of ICT incorporation in education cannot be overstated, as it enables teaching and learning to take place not only in a traditional classroom setting, but also at a distance. However, integrating ICT is not a one-and-done learning process; rather, it is an ongoing learning process that fosters a more engaged classroom setting. The use of Technology in the classroom can take many forms, each of which benefits both the instructor and the pupil. Educational films, sensory stimulus, data storing, database use, guided exploration, ideation, audio, and the World Wide Web (www) are just a few of the exciting tools available through a technology-based approach to teaching and learning. On the other hand, students will gain from ICT incorporation in situations where they are not constrained by the prescribed syllabus and available materials, but rather where the emphasis is placed on experiential learning through the use of technological tools. It also provides assistance to educators in developing engaging and interactive lessons for their pupils. The incorporation of Technology into the classroom has been shown to improve pupil engagement and performance in active learning.

There will be significant implications for curriculum and administration when educators increasingly rely on digital tools for instruction and assessment. Both academics and government officials need to share the same vision of the future. According to Dudeney (2010), there are multiple important roles that state ICT strategies can play. They help students, instructors, parents, and the general populace of a nation by providing a reasoning, a set of objectives, and a picture of how education systems function if Technology is incorporated into the teaching and learning process.

The Indian Ministry of Education has established three primary Technology in education strategies. The first rule states that all pupils must be provided access to Technology. The hope is that this will help close the technological education divide. The second plan of action analyses how and why Technology is used in classrooms. In addition, another strategy highlighted the importance of information and communication technologies as a means of gaining knowledge and increasing output.

Teachers' Belief on Technology-based Teaching and Learning

The education system has undergone fast transformation due to the advent of modern learning tools in the latter part of the twentieth century. This is because modern tools can create an interactive classroom that is conducive to learning in every sense of the word. In today's world, education ministries around the globe invest heavily in infrastructure and professional development to facilitate the integration of cutting-edge tools into classroom instruction. The funding for providing instructors with the tools they need to enhance the educational system is quite large. Educators around the world aren't making the most of available technology despite widespread attempts to do so. This is of growing concern as numerous studies have shown that integrating Technology into the classroom boosts pupil performance. Numerous studies have analysed the variables that influence instructors' willingness to implement Technology in the classroom.

This demonstrates that teachers' resistance to change was the primary impediment to adoption because educators are the ones responsible for introducing new methods into the classroom. In addition, studies have found a strong link between educators' confidence and their use of technology in the classroom. Using information and communication technologies (ICT) in the classroom is becoming increasingly essential as it has the potential to boost pupil success, ingenuity, and critical thinking. Furthermore, a study by Chien, Wu, and Hsu (2014) has shown that students have high expectations on ICT incorporation in the classroom because the current generation is digitally savvy from birth. Students' expectations of how Technology will be used in the classroom grow with their age. It also demonstrated that individual variables, which we can call self-perceptions, play a crucial role in ICT assimilation. Both instructors and pupils are more apt to use technologies outside of the classroom, as shown by this study's findings about the adoption of ICT in and out of the classroom. Teachers' lack of self-assurance, inadequacy, and negative views were found to be major roadblocks to the widespread adoption of Technology in schools.

Integration of ICT:

Incorporating ICT into the classroom is becoming increasingly vital as it aids students in developing interdisciplinary skills that inspire social skills, problem solving, independence, responsibility, introspection, and initiative while also fostering joint learning. All of these things are essential goals for students to have in an engaging classroom. Similarly, India's government mandated the use of Technology in classrooms as early as the 1970s. This is because a tech-savvy, analytical population is crucial for a nation to compete in the global market. As a result, many classrooms now feature updated ICT infrastructure like computer labs, internet access, smart white boards, LCD displays, and more. The technological assistance and reliability of the system, along with the instructors' talent and competence, posed the biggest challenges to effectively implementing the policy. The government, however, is not finished updating and enhancing the processes to make maximum use of Technology.

In order to further integrate ICT into India's educational system, it is important to investigate the variables that influence instructors' adoption of such tools in the classroom. In October 2011, the Indian Ministry of Education began a thorough evaluation of the country's educational system. Government officials recognized the need for a new national education plan, and so they created Education Roadmap 2013-2025. This document sets out a strategy for a long-term improvement of India's school system up until the year 2025. The strategy to increase the significance of Technology across the board in schooling is also included in this paper. Blueprint suggested 11 changes to strategy and operations to accomplish the transition task. To meet the demands of the 7th shift and increase the quantity and quality of education in India, 1BestariNet will connect all schools to the internet and create a virtual learning environment by 2013. (Ministry of Education, 2012). It guarantees the potential for optimizing the use of Technology for independent study.

Due to the advancement of new information technology, the new age of ICT in education should be created quickly to a suitable degree in order to meet the capacity of students and instructors in educational experience. Abd Rahim and Shamsiah (2008) found that pre-service teachers in India are optimistic about using Technology in the classroom. And when it comes to incorporating Technology into the classroom, men educators are more assured than their female counterparts. It also demonstrates that professional educators are more likely to use Technology in the classroom than their general education counterparts because they are better equipped to deal with technological topics and have more experience doing so. Furthermore, only a small percentage of Indian educators have even a foundational understanding of Technology. The majority of Indians have only mediocre Computer understanding, and even some of the instructors have inadequate skills in this area. Evidence like this suggests that the degree to which educators in India are themselves proficient with ICT is a crucial component in the country's ability to successfully integrate it into its educational system.

Conclusion:

In conclusion, a successful initial phase of ICT adoption TPACK is crucial for ensuring that both educators and learners benefit fully from the technology. Therefore, a transition to instruction and learning that is founded on technology requires the full commitment of the school's administration. Technology incorporation in schools will be an enormous triumph and help instructors and students if the application process takes place properly from the very beginning stage and the ongoing upkeep are sufficiently given. Teachers need time to learn and investigate ICT, to go through the "trial-and error" period before they are fully familiar with its utilization and able to use it for teaching and learning, because the use of ICT in teaching and learning process is more about reality than ideas. Last but not least, if the country's educational system is to become more effective, it must give careful thought to incorporating Technology into the classroom.

As a result, the quality of the nation's future workforce will improve and the country's education system will rise in international rankings. The government needs to better and alter instructors' beliefs about the incorporation of ICT in classroom to increase the use of ICT in classroom. Teachers play a crucial part in ensuring the effective rollout of any new policy. Students should be able to access the latest educational materials and communication tools from the comfort of their own homes or at school. Further, it is wanted to improve learning and to fulfil the demand for 21st century teaching skills by having instructors who are educated and have excellent skills and knowledge in using Technology to better their teaching methods and approach.

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"Web 3.0 and its Application in Libraries: A Perspective Approach"

Dr. Farheen Fatima
MLISc, M.Phil, Ph.D, Librarian, Government First Grade College, Chittapur-585211
Tq: Chittapur. Dist: Kalaburagi, Karnataka
Corresponding Author- Dr. Farheen Fatima
Email: farheenlis@rediffmail.com
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Abstract

The web 3.0 technology allows people to create, share, collaborate & communicate. Library 3.0 refers to libraries using technologies such as the semantic web, cloud computing, mobile devices, RDA tags and re-envisioning our use of established technologies such as federated search, to facilitate user-generated content and collaboration to promote and make library collections accessible. Web 3.0, the Semantic Web relies on highly structured metadata that allow computers to understand the relationships between objects. Semantic web standards are complex, and difficult to conceptualize, but they offer solutions to many of the issues that plague libraries, including precise web search, authority control, classification, data portability, and disambiguation. The paper describes the practice of librarianship, specifically addressing how Web 3.0 technologies might intimate changes in how libraries provide access to their collections and user support for that access, and expansion of the 'borderless library', where collections can be made readily available to library users regardless of their physical location.

Keywords: Web 3.0, Library 3.0, Semantic Web, Library Web 3.0, Web-Technology.

Introduction

The last two decades have witnessed the rapid transformation of the library in applying information technology. Libraries have developed and diversified their services based on advanced information communication technologies. Web 3.0 is a typical technology, which has recently emerged as a "third generation" of web-based technologies for communication. Living in a state of technological flux and social change is nothing new to library services.

Web 2.0 is bringing Individual together and information scattered all over the web. Whereas it is being expected that Web 3.0 will bring information together. Application of mashup technologies will give us the virtual world of Information in which web will be strengthen with more computing and analyzing powers through artificial intelligence. Library 3.0 has been developed to help bring together some information about technological changes that are likely to impact libraries in the next decade. It serves as a starting point for further research and advocacy opportunities. The application of Web 3.0 thinking and technologies to library services and collections has been widely framed as "Library 3.0", The web 3.0 technologies might create a new wave of technological applications in libraries, and also may attract the attention of researchers, scholars and the library community.

Definition of Web 3.0

The term Web 3.0 is best used to explain the next era of web computing and the new information age it will introduce, rather than a set of specific technologies or technical attributes. Generally, the concept of Web 3.0 emphasizes three main features:

- The capability of obtaining contextual information from a web search
- The ability to obtain information drawn from a variety of previously incompatible or walled applications or sources
- The engagement of all types of devices and machines in the data creation, data use, and communication process that informs our daily lives, our work, and our businesses

According to Wikipedia, an online encyclopedia, it is said that, "Web 3.0 is a third generation of Internet based Web services, which emphasize machine facilitated understanding of information in order to provide a more productive and intuitive user experience." 'Nova Spivack' the CEO of Radar Networks, one of the leading voices of this new age Internet, Defines as "Web 3.0 is a set of standards that turns the Web into one big database." 'Greg Boutan' defines Web 3.0 is "The Web of openness, a web that breaks the old silos, links everyone, everything, everywhere, and makes the whole thing potentially smarter."

History of Web 3.0

Web 3.0, first entered among the public in 2001, when a story appeared in scientific article written by American Coauthored Berners-Lee that described this term as a place where machines can read Web pages as much as humans read them e.g. web connected bathroom mirrors, which can read the news coming through on the web. 'John Mark off' the New York Times coined back in 2006 the term Web 3.0.

Web 3.0 Supporting Technologies

To understand, how does web 3.0 works, we should know about the most important tools and supporting technologies are:-

XML (Stands for Extensible Markup Language) Provides an elemental syntax for content structure within documents,

RDF (Resource Description Framework)

RDF is a simple language for expressing data models, which refer to objects ("resources") and their relationships. An RDF-based model can be represented in a variety of syntaxes, e.g., RDF/XML, N3, Turtle, and RDF. [20] RDF is a fundamental standard of the Semantic Web.

RDF Scheme

RDF Schema extends RDF and is a vocabulary for describing properties and classes of RDF-based resources, with semantics for generalized-hierarchies of such properties and classes.

OWL (Web Ontology Language)

OWL adds more vocabulary for describing properties and classes: among others, relations between classes (e.g. disjointness), cardinality (e.g. "exactly one"), equality, richer typing of properties and characteristics of properties (e.g. symmetry), and enumerated classes.

SWRL (Semantic Web Rule Language)

Is a proposal for a Semantic Web rules-language, combining sublanguages of the OWL Web Ontology Language (OWL DL and Lite) with those of the Rule Markup Language (Unary/Binary Data log)

URI *(Universal Resource Identifier)*

URL is a type of identifier that provides the location of resources.

SPARQL (Protocol and RDF query language)

A recent development for Web 3.0, to make easier queries and searches within RDF. SPARQL is designed for use at the scale of the Web, and thus enables queries over distributed data sources, independent of format.

XDI (XRI Data Interchange)

The main features of XDI are the ability to link and nest RDF graphs to provide context; full addressability of all nodes in the graph at any level of context; representation of XDI operations as graph statements so authorization can be built into the graph (a feature called XDI link contracts); standard serialization formats including JSON and XML; and a simple ontology language for defining shared semantics using XDI dictionary services.

XRI *(Extensible Resource Identifier)*

XRI is a scheme and resolution protocol for abstract identifiers compatible with Uniform Resource Identifiers and Internationalized Resource Identifier.

API (*An application programming interface)*

API is a specification intended to be used as an interface by software components to communicate with each other.

AUTH (Open Authentication)

Allows having secure API authorization. With this technology, you can give authorization to any web-based entity to access and use your data, residing in any other platform.

Web 3.0 Knowledge Base Technological Tools:

- Artificial intelligence
- Automated reasoning
- Cognitive architecture
- Composite applications
- Distributed computing
- Knowledge representation
- Ontology (computer science)
- Recombinant text
- Scalable vector graphics
- Semantic Web
- Semantic Wiki
- Software agents

Difference between Web 1.0, 2.0 and 3.0

Web 1.0:

It is the "readable" phrase of the World Wide Web with flat data. In Web 1.0, there is only limited interaction between sites and web users. Web 1.0 is simply an information portal where users passively receive information without being given the opportunity to post reviews, comments, and feedback.

Web 2.0:

It is the "writable" phrase of the World Wide Web with interactive data. Unlike Web 1.0, Web 2.0 facilitates interaction between web users and sites, so it allows users to interact more freely with each other. Web 2.0 encourages participation, collaboration, and information sharing. Examples of Web 2.0 applications are YouTube, Wiki, Flickr, Facebook, and so on.

Web 3.0:

It is the "executable" phrase of Word Wide Web with dynamic applications, interactive services, and "machine-to-machine" interaction. Web 3.0 is a semantic web which refers to the future. In Web 3.0, computers can interpret information like humans and intelligently generate and distribute useful content tailored to the needs of users. One example of Web 3.0 is Tivo, a digital video recorder. Its recording program can search the web and read what it finds to you based on your preferences.

Web 1.0	Web 2.0	Web 3.0
‘ The mostly read only web”	·”The wildly read-write web”,	·”The portable personal web”
·45 million global users (1996)	·1 billion+global user (2006)	·Focused on the individual
·Focused on companies	·Focused on communities	·Lifestream
·Home pages	·Blogs	·Consolidating dynamic content
·Owning content	·Sharing content	·The semantic web
·Britannica Online	·Wikipedia	·Widgets, drag and drop mashups

·HTML, portals ·Web forms ·Directories (taxonomy) ·Pages views, etc…	·XML, RSS ·Web applications ·Tagging (folksonomy) ·Google, etc…	·User behavior (me-onomy) ·I Google, netvibes ·User engagement ·Advertainment, etc…

Features of Library Web 3.0

Library 3.0 has opened lot of challenges to the librarians as well as new dimensions to the profession. The future of academic libraries will be a digital one, where the successful librarian will be flexible, adaptable, and multi-skilled in order to survive in an environment of constant and rapid change. Drivers for change will require this new generation of librarians to navigate not only new technologies as well as understanding their users' behaviour, but ultimately themselves.

Some of the prominent features of library 3.0 are:-

Geo-Tagging: This helps users to find specific information located at specific location. It is simply a marking of various media or digital contents like images, photographs, video, websites or RSS feed etc. Most of the cell-phones and mobile devices have GPS (Global Positioning System) facilities, which allowing users to add metadata exactly where the data or image or video was created. So tagging helps users to mark their information in which they are interested for.

Ontologies: These are the techniques to give richer semantic relationships between terms and thoughts of knowledge. These give more standardization in managing the web contents instead of merely indexing the terms. Ontology aims at how the information is organized rather than organizing the information. Librarians can adopt various ontological techniques to define the web contents in more professional as well as personal manner.

OPAC: In library 3.0, Web OPACs of various libraries which are forming a part of visible or invisible web would be brought together. Metadata of contents (contents in any format) would seamlessly accessible and searchable from single user friendly interface, just the way a 'Portal' provides *one stop shop* for various contents in present generation.

Semantic Web: Semantic web will provide us with the option to share, unite, search and organize the web information in easy manner. Sharing and organizing information available in every corner of the web, which is the main aim of this generation and expected to be achieved with the help of semantic web technologies. It ensures seamless accessibility, search-ability, availability, and visibility.

Ubiquitous Contents: The ubiquitous computing offers various contents which can be used or re-used frequently and will also not get absolute in near future. Ubiquitous contents are the personal contents of the people persistently stored on the web in form of movies, blog posts, RSS feeds, wikis, stories, articles, music, games, etc. These are always there on the web and accessible from everywhere over the Internet through all mobile and Internet accessible devices.

Virtual Reference Service: Since technology is developing very fast in all domains, librarians are more determined to serve the users who are away from the libraries. In virtual reference service, apart from helping the users in personal or telephonic way, librarians are now developing the contents which can easily be transferable and readable in cell-phones and other mobile devices to help the users at any point of time.

Base Technology of Library Web 3.0

Web 3.0 shifts the web from informational medium into service oriented, community based medium. Web 3.0 takes years to be fully-fledged. It shares the same technology pillars as web 2.0 Semantic tagging, Micro formats

Semantic Tagging

a. Adding meta data to index and describe resource
b. Web 3.0 allows not only text search, but also images, audio and video
c. Sub-search engine pull feeds automatically for you
d. High level of personalized vocabularies and structure

Micro-formats

a. Define semantic vocabularies by user
b. Variety of options: RDF, XML, XFN
c. Bridge the gap between understandings by human and machin

Importance of Web 3.0

Improves data management:

When the contents come from various types of database structure, there are a lot of applications required to manage contents. The semantic website solves this problem by describing relationship between each data or things and properties; therefore, the computer can understand the relationship between sets of data and can integrate it together.

Supports accessibility of mobile internet:

Many mobile operators in the world tend to shift mobile technology base from 2G to 3G which represents greater channel to access internet via mobile devices (Vanessa Grey, ICT Market trends, 2008, P. 6). Hence, web 3.0 plays the main role to enhance internet accessibility via mobile because web 3.0 develops based on Cascading Style Sheet

(CSS) Standard that helps to reduce the page size to lower than 20 kb by smaller background image.

Stimulates creativity and innovation:

The main concept of web 3.0 promises that all global datasets will be linked together. Web 3.0 encourages factor of Globalization phenomena: web 3.0 aims to build standardize of data structure via RDF programming language. The datasets of current information in the World Wide Web will be unlocked from the existing data structure and integrated all data structure together in the same standard. This presents speed up Globalization phenomena in near future.

Enhances customers' satisfaction:

By using Artificial Intelligence concept in web 3.0 that adds brain for computer, business units will easier to improve their customer satisfaction in term of Customer relationship management (CRM) such as clients can be provide broader group of information about the product in customer service webpage or related information from other datasets.

Helps to organize collaboration in social web:

Nowadays many people register to be members of many social websites and many weblogs have been emerged, then, SOIC-project initiates purpose to merge the social web community information together by using semantic web technology in RDF. The process is to create distributed conversations across blogs, forum and mailing lists.

Advantages of Web 3.0 Technology

The web 3.0 technology has number of advantages few of them are mentioned below:

- Web 3.0 technologies have made it very easy to access global data anywhere. The best part is that you don't need to have a computer system to access this data as you can also view any files, images, videos, or just any other information on your smart phones.
- Web 3.0 technologies have definitely influenced the overall concept of modern web designing as a website now is not only viewed on computers but can also be accessed on the phone.
- Web 3.0 promotes incorporation of some of the highly advanced features in websites such as flash, animation, intensive graphics, etc.
- Browsers will position themselves as true lifestyle canvases, taking into account cutting-edge concepts like social bookmarking and in-group searching to produce a much more customized and targeted Web surfing experience.
- Information categorized and presented in a visually improved manner that enhances interaction, analysis intuition and search functions.
- Taxonomies – standardized and self-describing classifications.
- Trusted advisor, mentor and personal assistant and less like a search engine.
- Web 3.0 will get highly customized, organized and perfect relevant results.
- Web 3.0 is the move towards being able to access data from anywhere.

Disadvantages of Web 3.0 Technology

Through this technology has considerable advantages, but it is not free from some of the weakness. The main disadvantages identified by the experts are:-

- As with any new technology or Internet-related development, personal privacy issues will be at the forefront of consumers' consciousness (Laurent, 2010)
- Effect that change will have on taxonomies or how best to manage changes (Laurent,2010)
- New Google Operating System (Google Chrome OS) only netbook focused (Singh, 2010)
- New technologies that not all companies are embracing yet
- Reconciling the world's spoken languages with specialized taxonomies and schemas, attached metadata and descriptors (Laurent, 2010)
- Search engine optimization practices may undergo wholesale adjustments as the different information and architectural standards of Web 3.0 fight for supremacy (Laurent, 2010)
- Still a long way from reality because of the number of technologies those are involved.

Conclusion

Web 3.0 is still in its infancy, it is difficult to know just how it will affect libraries at this time. In some cases it might require librarians to be able to process and disseminate information in real time as well. The term Librarian itself, may become defunct as a new age of Information Professionals acquire the ability to utilize Web 3.0 technology to better serve the patrons.

It also plays a pertinent role in this collaborative effort, providing support and coordination of ongoing research and development in the area of networked services, and architectures, specifically those that utilize semantic technologies, towards the realization of the future Internet.

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Journey from Aristocracy to Democracy: A Painful Ride, With Reference to Tennessee Williams' 'A Streetcar Named Desire.'

Dr. Malini Ramlal Adhav
Asso. Prof .Dept of English, SSPM's V. N. College, Shahada, Dist Nandurbar 425409
Corresponding Author- Dr. Malini Ramlal Adhav
Email: maliniadhav@gmail.com
DOI- 10.5281/zenodo.10526795

Abstract:

Tennessee Williams, a world renowned dramatist of 20th century ,depicted the transition period of America when it was turning from aristocracy to democracy through his plays. The transition was a painful ride for the southerners whose roots were deep in aristocracy. While facing the inevitable changes, most of the southern aristocrats got destroyed. Some of them recognised the need of time and change themselves for survival in the modern democracy. Of course ,they paid a high price for this. Tennesse Williams' most of the plays deal with the struggle of the southern aristocrats to survive in the modern world. In the present research paper, the researcher has tried to explore the struggle for existence in the period of transition with reference to the play ,'*A Streetcar Named Desire.'* This play which is the grand success, is considered as an American classic. It depicts the struggle of two aristocratic sisters to survive in the modern world. The elder sister, Blanche Dubois meets doom and destruction ;while the younger sister ,Stella survives after paying it too high cost. A journey from aristocracy to democracy is a painful ride for them.

Key Words: Journey, Aristocracy, Democracy, Transition, Struggle, Survival.

Introduction:

Tennesse Williams is a world renowned American dramatist, who dominated the American stage in the mid of 20th century. He brought a change in American theatre by his shift from outward action to the inner struggle. Through his plays ,he focussed on the inner turmoil of modern man torn between the aspirations of his heart and the adverse outer condition. 20th century is the period of transition when America was turning from aristocracy to democracy. The decline of aristocracy prove destructive for the southern aristocrats. It was bitterly painful for them to melt their identity as the southern Aristocrat in the melting pot of modern America and to rise with a new personality as a common man in the modern democracy. The soft, emotional sensitive, cultured Southerners experienced pain and humiliation while adjusting in the rude democracy.

Most of the sensitive got crushed under the tensions of time and situation. Those who were capable to give up their upbringing ,successfully uprooted themselves from the declining aristocracy and rerooted themselves in the foreign soil and atmosphere of modern democracy. So, they survived at the cost of total change in their own identities and personalities. Tennesse Williams' famous play ,*A Streetcar Named Desire* highlights this struggle of Southern aristocrates to adjust in the modern democracy. A deals with a struggle for survival of two aristocratic sisters. Blanche and Stella are two sisters born and brought up in a big aristocratic family. They lived in a big mention named 'Belle Reve' means a beautiful dream. But the decline of aristocracy proved destructive for them. It brought unaccustomed changes in their lives and they suffered a lot. The lavish lifestyle of the aristocratic family resulted in the loss of property. Blanche Dubois, the elder sister witnessed the loss of family estate through the long illnesses and funerals of all her kinsmen. The hyper-sensitive, cultured Southern aristocratic gentlewomen, Blanche is proved to be incapable of handling the financial matters and to save the property .After the loss of Belle Reve, she works as a teacher in a school from where she was terminated .She lives in a cheap, notorious hotel and lost her status as an aristocratic gentle lwoman.As she has no other shelter ,she comes to New Orleans,a Northern City, where her younger sister Stella lives with her husband Stanley Kowalski. She has come there with a hope to start a new life. But the atmosphere and the people their behaviour is so different that it becomes very difficult for her to adjust there. Stanley Kowalski, Stella's husband is a polish man with different attitude. He is rough and self centred. He doesn't like Blanche's aristocratic living and manners.He doubted that Blanche is deceiving Stella to grab her share in the family estate.

The antagonism between Blanche and Stanley increases. He takes information about her past in Laurel and breaks her would be marriage with his friend Mick by telling her pass to him. In the night, when Stella is admitted in the hospital for childbirth he rapes Blanche and she is totally broken. She tells about it to Stella,but she doesn't believe her words. The hyper sensitive Blanche loses control over her sanity and she is sent to mental hospital. The journey of Blanche's life starts from Belle Reve means happy dream. She comes to New Orleans with a desire to start a new life. She rides on a streetcar named 'desire 'and enters the road' Elysian Fields' where Stella lives.Elysian fields means an abode of the pure souls after death, but ironically this Elysian fields proved to be a hell for Blanche. Poor Blanche is a loser who has lost her husband in the early age, then all her relatives ,her family estate and has come at the door of the stranger, Stanley. Her journey that started from happiness ended in madness and insecurity. The decline of aristocracy is the root cause of all her miseries and destruction. She tried to adjust in the new world of democracy but failed. She knew only one culture and that is of aristocracy.The atmosphere and culture of democracy is so alien to her that it became impossible for her to adopt. She got uprooted from aristocracy but failed to reroot herself in democracy.

Blanche's younger sister, Stella Kowalski is a total character contrast to Blanche. She is totally opposite to Blanche. She is prudent and practical. She recognises the need of changing times. She comes out of the declining aristocracy and changes herself to adjust in the modern democracy for her survival in the world. In the early age of 15, she has come to New Orleans and has made a new life for herself. When Blanche was busy in the illnesses and funerals of her relatives at Belle Reve , Stella was busy in making a new life for herself in New Orleans. She married a polish, Stanley Kowalski,who was totally different from her. She forgot her aristocratic past and culture and successfully adopted the common life in New Orleans. She happily adjusted in the two rooms flat of which Blanche was critical. Her husband is not cultured or caring. He often hits her in quarrel, but there is a strong physical bond between them that bind them together. Stella has gone through total change of her personality and culture. She loves her sister but doesn't want to break her marriage .When Blanche tells her about her rape by Stanley ,she doesn't believe her words. She gives consent to send Blanche to mental hospital only to save her own marriage. She sacrifices her sister for the future of a newborn baby. Thus, Stella successfully survives in the modern democratic world by paying a too high cost. She has forgotten her roots, her upbringing in the democratic culture. She has gone through total change of her personality and then only she has become successful in adopting the new culture of democracy.

She avoided the struggle between two cultures by adopting the new one and successfully adjusted herself in democratic culture. Thus,the two aristocratic sisters ,having different attitudes and outlooks to life met different ends. The cultured ,hypersensitive and stubborn aristocrat Blanche failed to adjust in the changing times and circumstance and got destroyed. Her failure to adjust in the new culture brought her to doom. On the contrary, the prudent and practical Stella recognised the need of time and change herself to adjust in the new city and the new culture. She went through total change of her personality to adopt the new democratic culture of New Orleans. She took a wise decision to sacrifices sister for own and her baby's future. So she became successful in her struggle for survival, but she has paid a too high cost for it. Their journey from aristocracy to democracy is proved to be a painful ride for both the sisters. But, one who is practical and prudent realised that the change is invitable and it must be accepted. So, she accepted the change adopted it and successfully survived in the changed world. She is strong enough to pay a high price demanded by time and circumstance for her survival in the world.

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Removal of Toxicity of Fluoride from Water Sample Using Natural Substances

Bapu Yamgar[1], Manoj Lad[2]
[1,2]Dapoli Urban Bank Senior Science College, Dapoli Dist. Ratnagiri, India (MS)
Corresponding Author- Bapu Yamgar
E-mail: bayamgar@gmail.com
DOI-10.5281/zenodo.10526798

Abstract:

Excess fluoride in water causes health hazards to the natural environment. The removal of fluoride was attempted using natural materials such as sand and shells. The development of cost-effective, locally available, and environmentally benign adsorbents for fluoride removal from contaminated water sources is absolutely required. Transmission of many diseases occurs primarily by drinking water. These diseases are produced in the water bodies due to anthropogenic pollutants. Fluoride pollution in the environment occurs either naturally or anthropogenic sources. The occurrence of fluoride in ground water is mainly due to natural or geological contamination. The transport of many anthropogenic pollutants in the water is determined by their physico-chemical parameters. The present study investigates fluoride contents present in water sample and removal of fluoride by using natural substances like sand and shells can be used as efficient, cheap, and ecofriendly adsorbents for the removal of fluoride from contaminated water.

Introduction

Excess of fluoride in groundwater has become a threat in recent days due to the lesser availability of potable groundwater resource. Fluoride contamination in drinking water due to natural and anthropogenic activities has been recognized as one of the major problems worldwide imposing a serious threat to human health.

In recent years, there has been an increase in public perception of the detrimental side-effects of fluoride to human health due to its effects on teeth and bones. Today, there is a plethora of techniques available for the removal of fluoride from drinking water. Among them, adsorption is a very prospective method because of its handy operation, cost efficiency, and high selectivity [1, 2]. Fluoride enters into the human body through a variety of sources like water, food, air, medicine, and cosmetics. Among these, drinking water is the most common source which makes fluoride available to human beings [3, 4]. Groundwater and fresh water are essential to humans as water resources. The human body contain 55% to 78% water; depending on body size. The occurrence of fluoride in ground water is mainly due to natural or geological contamination [5, 6].

Fluoride is beneficial which helps to prevent dental caries at drinking water concentration of about 1mg/L but it has also been shown to cause dental mottling and adverse effects on bones, including increased risk of fracture at concentrations in excess of 1.5mg/L. Major health problems caused by fluoride are dental fluorosis, teeth mottling, skeletal fluorosis and deformation of bones in children as well as in adults. By keeping these things in mind present work was carried out to ascertain fluoride contain in groundwater [7, 8]. The present study aimed to find a suitable low-cost environmentally friendly method for the removal of fluoride in the groundwater that is used by common man. Therefore, few natural materials such as sand and shells were used.

Materials and Methods

All chemicals and reagents used were analytical grade and used as received. The solvent were purified by standard procedure. Zirconyl nitrate, Alizarin Red S, Sodium fluoride etc. used as received. The solvents were distilled and purified according to standard procedures prior to their use. Estimation of fluoride was done using instrument Double Beam UV-Visible Spectrophotometer at 530 nm wavelength. Groundwater fluoride concentrations were calculated with the help of standard fluoride calibration curve.

Location

The samples were collected from the different areas of Dapoli from the five different places. The samples collected from those wells which are sources of water supply to area for all seasons. All wells retain water even at the peak of the dry season .Ground water occurrence in the study area depends on physical characteristics underlying lithological units thickness of weathered overburden and fractures.

Experimental

The Ground water samples were collected from Wells in the different areas from Dapoli. Some samples are found fluoride concentration above permissible limit. Column using shells and sand is prepared as shown in photograph. Water sample is passed through column with rate 5 ml/min. After treatment with sand and shell sample was analyzed to estimate the amount of fluoride ions present in sample by standard procedure. Details about column Column is made of successive layers of sand, shell and sand. The total column length 25 cm. Estimation of fluoride was done using standard procedure [9, 10].

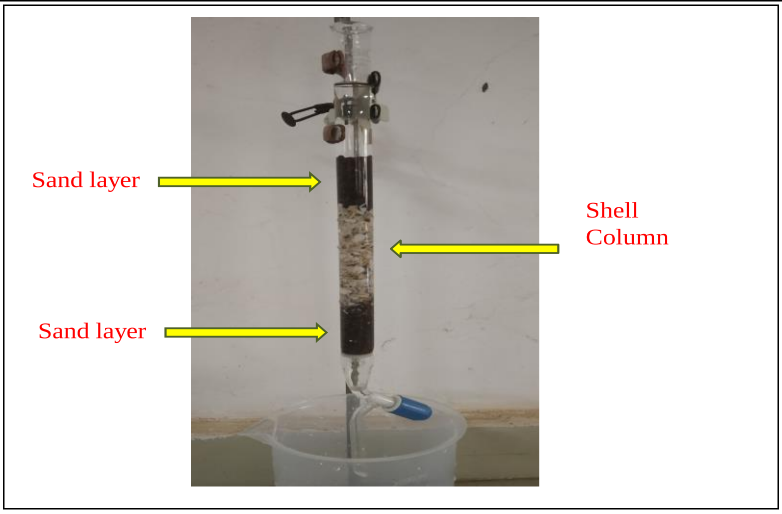

Fig. 1. Column Preparation

Result and Discussion

The highest desirable and maximum permissible limits for fluoride content given by ISI for fluoride in drinking water is 0.6 to 1.2 mg/L. In the present investigation, the fluoride concentrations were found to be above the permissible limit i.e. 1.42. After treatment fluoride concentration reduces from 1.42 to 0.73 mg/L, i.e it comes within permissible limit. Capacity of Column : 100 Lit. Life span of the column : 4 month (1 lit per day)

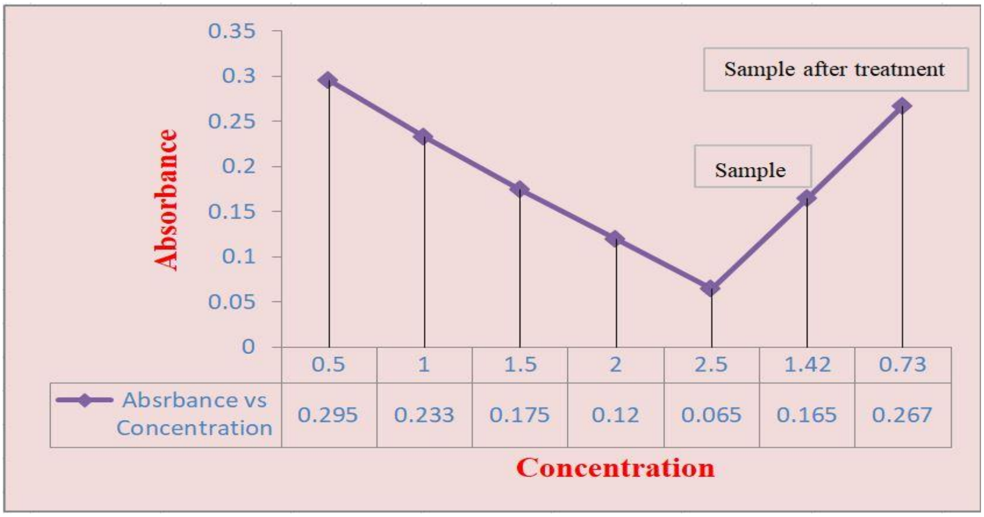

Fig. 2. Calibration curve

Conclusion

In this study, the removal of fluoride ion from aqueous solution using sand and shells was examined. This method requires no power supply since water moves down by the gravitational force hence it becomes more cost effective and easy to handle by local community as a suitable green and clean technology for rural drinking water supply in Fluoride affected areas. It has been concluded that the selection of treatment process should be site specific as per local needs and prevailing conditions as each technology has some limitations and no one process can serve the purpose in diverse conditions.

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Conflict of Interest Statement

The authors declare that they have no conflicts of interest regarding the publication of this paper.

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Arzi Hukumate-E-Azad Hind in Singapore

Dr. Harkirat Singh
Assistant Professor in History, Public College, Samana
Corresponding Author- Dr. Harkirat Singh
Email- 73sidhu@gmail.com
DOI- 10.5281/zenodo.10526834

Abstract:

In 1943 Subhas Chandra Bose took over the command of the Indian National Army and Presidentship of the Indian Independence League, which enabled Subhas Chandra Bose to form the Provisional Government of Azad Hind (*Arzi Hukumate-e-Azad Hind*) in Singapore in 1943. The present study is an attempt to study its formation, proclamation of India's independence and struggle for independence under the Provisional Government.

Introduction:

It was a propitious time in South-East Asia to establish a strong and efficient central authority to control all activities of the Indians in South-East Asia. In the successful organization of such an authority four things are essential: (1) man (2) money (3) material and above all (4) an indomitable spirit of unity, faith and sacrifice for the achievement of the aim. Material is necessary, but the spirit is essential and must be the driving force for all the proper utilization of the material in all the spheres. Materials, money and men may be replaced, but if the spirit breaks down once, it becomes very difficult to raise the morale of the men, whether they are actually fighting or are helpers in the cause, particularly the former. Inculcation of this spirit during the training of every kind of personnel, especially those who are taking an active part in such a movement and more especially those who fight for the freedom of their country is of the utmost importance it is for this reason that every intelligent leader has put so much emphasis on the power of this spirit and insists on spiritual training for his men in order to develop that power. Moreover, the people, too, are more likely to listen to a properly constituted central authority rather than anybody else. If the central authority succeeds to a certain extent, and if it is to carry the struggle to a successful conclusion, it must develop sooner or later into a Provisional Government for the country concerned. Another advantage of forming a Provisional Government is that it impresses the enemy for more than when the struggle is carried out by a number of individual leaders. He is likely to pay more respect and consideration to the matters arising out of the struggle, when it has to deal with a Provisional Government when it has to deal individual leaders. Another advantage of a Provisional Government is that it can negotiate with another Government on different matters, such as help for finance, armament, equipment, location of bases etc. Moreover, if it is recognized by other nations, it still more impresses the enemy against whom the fight for freedom has to be carried on. So, from every point of view in a struggle for freedom it is essential to form and establish a Provisional Government. The last function of a Provisional Government would naturally be, after the successful achievement of its object, i.e. freedom of its country, to help the nation to form and establish a permanent Government of the people's own choice and hand over to that permanent Government all the functions and powers of the Provisional Government itself.

It was because of these important considerations and received the overwhelming support from Indians in South-East Asia Subhas Chandra Bose conceived the idea of formation and establishment of the Provisional Government of Azad Hind. He also disclosed his earlier idea conceived in Germany of forming the Provisional Government of Free India to prepare the Indian people inside and outside India for an armed struggle. He accelerated his efforts to set up a Provisional Government of Azad Hind to mobilize effectively the forces of nationalism in South-East Asia. The desire to set up the Provisional Government of Azad Hind was expressed by Subhas Chandra Bose in the meeting of Indian representatives in Singapore on July 1943. He said:

All organizations, whether inside or outside, must now transform themselves into a disciplined fighting organization under one leadership. The aim and purpose of this organization should be to take up arms against British imperialism, when time is ripe and the signal is given. In order to mobilize all our forces effectively, I intend organizing a Provisional Government of Free India. It will be the task of this Provisional Government to lead the Indian Revolution to a successful conclusion….It will make room for a permanent Government to be set accordance with the will of the Indian People.[1]

The purpose of the Provisional Government of Free India was declared by Subhas Chandra Bose at the first mass rally in Singapore on 9 July, 1943 as “The task of this Government will be to mobilize all the resources the Indian people and to lead the fight against British army in India. When the campaign succeeds and India is free, the Provisional Government will make room for permanent Government of Free India, which will set up in accordance with the will of the Indian people.”[2]

Another purpose for which Subhas Chandra Bose was determined to set up a Provisional Government was to deal with the Japanese Government on the footing of equality because in 1942 Japanese had refused to treat Indian Independence League as Government. On 1 December 1942 in a meeting of the Council of Action, Iwakuro said, "The League is a political body, not a Government. It is like a child in the mother's womb and you cannot make arrangements with a child in the mother's womb."[3]

The Provisional Government of Free India was to be formed out, of its parent organization, the Indian Independence League of East and South East Asia. Once it was formed it became supreme organ controlling all the activities pertaining to the Independence Movement in South East Asia.[4] Thus, it controlled the IIL as well as INA.

Subhas Chandra Bose met Premier Tojo and Foreign Minister M Shigemitsu of Japan on 15 July 1943 and conveyed to them his plan regarding Indian Freedom Movement in East Asia and a military campaign against the British in India. Subhas Chandra Bose secured the Japanese Government's assurance for help on 16 June 1943, Premier Tojo reaffirming Japan's resolve, "to exhaust all means in order to help to expel and eliminate from India, the Anglo-Saxon influence which are the enemy of the Indian people and enable India to attain full independence in true sense of term".[5] Having secured the goodwill of Japanese Government, Subhas Chandra Bose put forward his plea for setting up a Provisional Government to Japanese officials. The suggestion was accepted in principle before Subhas Chandra Bose left the Tokyo. In July, the Premier Tojo approved of the plan for Provisional Government.[6]

Subhas Chandra Bose was eagerly awaiting the occasion since the declaration of independence of Burma and Philippines in August and October, 1943 respectively, to form the Provisional Government of Free India. The Hikari Kikan was hostile to the plan which was likely to affect its power and importance adversely.[7] It, therefore, took a long time to reach an understanding with Hikari Kikan on details of the plan of Provisional Government. On 9 October, 1943, the Supreme Military Headquarters of Japan, which was in charge of Indian affairs, took some important decisions regarding the Provisional Government of Free India which would be set up by Bose. The decision read:

In case Subhas Chandra Bose will organise the Provisional Government of India, the Imperial Government of Japan will disclose the intention to recognize it for the purpose of strengthening the activities towards India, particularly for the aggressive propaganda…… [8]

The decision hastened the formation of the Provisional Government. On 21st October 1943, the 5th Conference of the Indian Independence League, in which delegates from all the parts of South-East Asia participated, was held at Singapore. Subhas Chandra Bose delivered an address in English in which he dealt with all aspects of the current world situation with particular reference to India. He made a statement explaining the significance of the formation of Provisional Government: "............I always felt that what India was lacking in her fight for freedom were two things - a National Army and a National Government to lead that Army to battle. In the course of the present war, thanks to the brilliant victories achieved by the armed forces of Nippon, it became possible for Indians in East Asia to organize the Independence League and the Indian National Army. The creation of a National Army lent reality and seriousness to the whole Independence Movement in East Asia. If this Army had not been organized, the Indian Independence League in East Asia would have been a mere propaganda organ. With the creation of the National Army, it became possible, as well as necessary, to set up a Provisional Government of Azad Hind (Free India). The Government is born out of the Independence League for the purpose of launching and directing the final struggle for India's freedom. In setting up this Provisional Government we are, on the one hand, meeting the exigencies of the Indian situation and are, on the other, following in the footsteps of history. Its functions and its composition will be of a unique kind. It will be a fighting organization, the main object of which will be to launch and to conduct the last war against the British and their allies in India……the Provisional Government will maintain close and organic connection with the entire Indian community in East Asia and mobilize all their resources for the coming struggle. With the formation of a Provisional Government of Azad Hind the Indian Independence Movement has obtained all the pre-conditions of success. It remains now to start the final struggle for freedom. This will begin when the Indian National Army crosses the frontier of India and commences its historic march to Delhi. This march will end only when the Ago-Americans are expelled from India and the Indian National Flag is hoisted over the Viceroy's House in New Delhi.[9]

Subhas Chandra Bose announced the composition of the Provisional Government of Azad Hind comprising a Cabinet of Ministers, the representatives of the Indian National Army and a body of advisers as follow[10]:

Subhas Chandra Bose : Prime Minister and Minister of War, Minister of Foreign Affairs, Supreme Commander of the INA.

Mrs. Lakshmi : Head of Women's Organization

S.A. Ayer	: Publicity of Propaganda
A.C. Chatterji	: Finance
Rash Behari Bose	: Supreme Adviser

Lt. Col. Aziz Ahmed,Lt. Col. N.S. Bhagat, Lt. Col. J.K. Bhonsle, Lt. Col. Gulzara Singh, Lt. Col. M.Z. Kiani, Lt. Col. A.D. Longanathan, Lt. Col. Ehsan Qadir,Lt. Col. Shah Nawaz Khan, A.M. Sahay were included as representative of Armed Forces. Karim Gain, Debnath Das, D.M. Khan, J. Thivy Ishar Singh, A. Yellapa and A.N. Sarkar included as advisers

Then S C Bose read out the Proclamation of Independence on the behalf Azad Hind Cabinet and said, "…..For the first time in recent history, Indians abroad have also been politically roused and united in one organisation. They are not only thinking and feeling in tune with their countrymen at home, but are also marching in step with them, along the path to Freedom. In East Asia, in particular, over two million Indians are now organised as one solid phalanx, inspired by the slogan of "Total Mobilization" And in front of them stand the serried ranks of India's Army of Liberation, with the slogan. "Onward to Delhi" on their lips…."[11]

The Ministers and Advisers thereupon ascended the dais and took their seats behind Subhas Chandra Bose. The most touching scene was when Subhas Chandra Bose took the Oath of Allegiance to India in the name of God.[12] he was followed by the members of the Government pledging in the name of God their loyalty to Subhas Chandra Bose, the Head of the State and Premier, and consecrating themselves entirely to the service of Mother India. Each individual member stood at attention before – S.C. Bose and took the Oath[13]

The Provisional Government of Free India was recognised by the Axis Powers and their allies.[14] The following telegram was received by Subhas Chandra Bose, from His Excellency Premier General Hideki Tojo:

"Your Excellency-I have the honour of sending you my hearty congratulations on the establishment of the Provisional Government of Azad Hind which has been Your Excellency's long cherished desire and thereby dashing forward to expel the British influence to attain the everlasting prosperity of India. The Nippon Government is firmly determined to render every possible co-operation to your Government." [15]

Other Governments who recognised the Provisional Government of Azad Hind included the Germany Government (Herr Von, Ribbentrop, the Foreign Minister of Germany was extending its recognition to the newly Provisional Government of Azad Hind.), the Independent State of Burma, the Philippine Republic, the Government of Croatia, the National Government of China, the Thailand Government, Government of Italy and Manchukuo. S.C. Bose also tried through the Japanese political channels to get Provisional Government recognition by the Russian Government but his advances were not encouraged by the Russians who preferred to remain non-committal in the matter.[16]

Subhas Chandra Bose formed the Provisional Government of Azad Hind to lead the war of liberty in organized manner. He also established various departments and organs of the Provisional Government to deal with the different issues related to the war of Independence of the country. The establishment of Provisional Government of Azad Hind was a matter of joy and pride for the Indians in South-East Asia. There was great enthusiasm among the Indians for next step in the freedom struggle. With the formation of the Provisional Government of Azad Hind, the second dream of the Indians and Subhas Chandra Bose had been fulfilled, the first being the organisation of the INA. Only one more dream now remained to be fulfilled namely, to fight and win freedom.

The first meeting of the Council of Ministers of the Provisional Government of Azad Hind was held at the official residence of Subhas Chandra Bose at 9 p.m. on Oct. 22, 1943. The first item on the agenda of this first meeting of the Council of Ministers was a resolution, paying homage to all those, who were carrying on a heroic struggle against the British inside India, and were undergoing tremendous suffering and sacrifices, and those who had laid down their lives in the cause of India's freedom.[17]

The second meeting of the Council of Ministers of the Provisional Government of Azad Hind was held at midnight at the official residence of Subhas Chandra Bose on the 23rd and 24th October 1943 and passed the resolution, "The Provisional Government of Azad Hind declares war on Britain and the United States of America."[18] Another resolution passed by the Provisional Government of Azad Hind was, "The Provisional Government of Azad Hind places on record its deep appreciation of the recognition by the Imperial Government of Nippon of Provisional Government of Azad Hind. The Provisional Government of Azad Hind expresses its grateful thanks to the Imperial Government of Nippon for generous offer of wholehearted co-operation and assistance...."[19]

After the declaration of war on Britain, on October 24, 1944 Subhas Chandra Bose addressed the audience of 50000 Indian at Singapore. The air was rent with lusty shouts of *'Inqilab Zindabad', 'Azad Hind Zindabad' and 'Netaji Ki Jai.'* "We have declared war because our strength has increased a hundred fold,"[20] proclaimed Subhas Chandra Bose. Frenzied cheering greeted this challenge to the enemies of India's freedom. The establishment of such a national government at that juncture had a profound effect on Indians throughout South-East Asia and it was a powerful impectus to them in the struggle that lay ahead and its existence gave a greater legitimacy to Indian freedom struggle against the British. Its first and foremost function was to mobilize effectively the forces of nationalism in South-East Asia and to wage the war of Independence. The Indian National Army carried out war against the British under the Provisional Government of Azad Hind. It did not only give a definite direction to the struggle for independence but also entered into parleys with other countries for winning their support for the cause of liberation of India.

The Provisional Government proclaimed authority over Indian civilian and military personnel in South-East Asia. The Provisional Government of Azad Hind functioned like all other civilized governments. It had its own currency, court, civil code and executive. Laws were proclaimed by the Supreme Head of the state and obeyed by the subject. Disputes were referred to competent officers whose decisions were accepted as binding on the disputants. The Indian Independence League acted as Executive branch of the Provisional Government. The Indian National Army (*Azad Hind Fauj*) was absorbed in the body polity of Provisional Government as one of its essential parts. This subordination of the Army to the Provisional Government vested the Army with the status, dignity and honour of an organized and disciplined army of a civilized government.

The Provisional Government of Azad Hind had possessed all the nominal requisites of a legitimate Government viz. population, territory, organization or government and sovereignty. British Indian Soldiers and Indian civilian residents of the South East Asia were the nucleus of the population under the Provisional Government of Azad Hind. Territory is one of the physical elements of the state. The Provisional Government of Azad Hind had their own territory in Andaman, Nicobar and Ziwadi. Through different departments, the Provisional Government discharged the legislative, executive and judicial functions. The Provisional Government undertook certain ministrant function like Finance, Education, Public Health, Revenue etc.

The Provisional Government of Azad Hind published an official gazette-*Azad Hind Gazette,* which issued government notification related to Provisional Government and the Indian National Army. The Congress colours were made the insignia of the Provisional Government and the Tri-colour was adopted as the flag of the Provisional Government of Azad Hind. The Provisional Government of Azad Hind enjoyed internal and external sovereignty.

The establishment of Provisional Government of Azad Hind was a landmark and a unique phenomenon in the Indian freedom struggle form outside the country. It was government which aimed neither at territorial expansion nor at the supremacy of one race over another, but at the assertion and acquisition of a nation's moral right to live as a free people. The mission of Provisional Government was to expel British from sacred soil of India. Although the INA under Provisional Government failed to achieve its goal immediately, but it spread the spark of patriotism in the territories of the entire South-East Asia. The INA under Provisional Government played pivotal role during a very crucial phase of India's historic march towards freedom of the country.

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KMF Dharwad a case study: A Geographical Analysis

Dr. I. A. Mulla
Associate Professor, Dept of Geography, Anjuman
Arts, Science, Commerce College & P.G Studies. Dharwad.
Corresponding Author- Dr. I. A. Mulla
DOI-10.5281/zenodo.10526843

Abstract

The Karnataka Milk Federation (KMF) sells products under the brand name Nandini. The Karnataka Cooperative Milk Producers' Federation Limited (KMF) is the highest representative body of dairy cooperatives in Karnataka. It is the second-largest dairy cooperative in the country. It ranks first in South India in terms of supply and sales and is owned and managed by the dairy farmers of Karnataka state. The first dairy in the state of Karnataka was established at Kudigi in the Kodagu district in 1955.

KMF has more than 2.23 million milk producers organized across 12,066 Dairy Cooperative Societies at the village level. These societies operate under 13 District Cooperative Milk Unions in Karnataka State. Over the last four decades of Cooperative Dairy Development led by KMF, the dairy industry in Karnataka has transitioned from a state of milk scarcity to one of milk surplus.

Introduction

The Dairy Development Union (DAMUL) was registered in March 1986 and stands as one of the prominent milk unions in the state, encompassing Dharwad, Gadag, Haveri, and Uttar Kannada districts. It spans a geographical area of about 24,000 square kilometers, covering 28 taluks and 12,718 villages. The union comprises 801 functional Dairy Cooperative Societies (DCSs) with 1.3 lakh members, including 191 exclusively women-led DCSs. Currently, the union procures 1.5 lakh kg of milk per day and markets 1 lakh liters of milk daily. It operates seven chilling centers located at Hirekerur, Gadag, Haveri, Ron, Sirisi, Kumta, and Naragunda, with a combined capacity of 92 thousand liters per day (TLPD). The union boasts robust infrastructure capable of handling 2.10 lakh liters of milk, producing 12.0 tons of milk powder, 8 tons of butter, and 6 tons of ghee daily. In addition to toned and homogenized cow milk, high-fat buffalo milk, known as Shubam, is also produced. DAMUL is renowned for its production of Peda, Curds, Lassi, Paneer, and Khova. The union efficiently utilizes treated water from its effluent treatment plant. Committed to the welfare of both milk producers and consumers, DAMUL actively adopts various innovative programs to fulfill its mission.

Objectives

- Implementing a sustainable market structure to ensure continuous, profitable marketing of milk from farmer members.
- Providing urban consumers with access to high-quality milk and premium dairy products.
- Developing and strengthening village-level cooperative institutions as exemplary models for efficient dairy management.
- Ensuring farmers have access to reliable and financially rewarding markets for their milk production.

Methodology and Database:

- The study is based on the primary and secondary data. Collected data undergoes manual tabulation and, when required, computer-assisted processing. The data is analyzed interpreted and evaluated keeping in view the objectives of the study.
- The major sources of secondary data for the present study are the published records of government and private originations.

Study Analysis:

Distribution of milk centers and Marketing Department: The marketing department is a crucial component of the organization, responsible for overseeing the promotion and sale of milk and its products while ensuring their quality is maintained. The marketing department at DMU has an extensive reach, covering the regions of North Goa, Uttar Kannada, Hubli, Dharwad, Gadag, and Haveri. Currently, DMU holds a market share of 23%.

Function of marketing department:

1. To prepare the marketing plan of the beginning of every year, taking into consideration the demand, sales, production capacity and customer performance.
2. To promote milk and milk products through mediees.
3. To study competitors' products and their strategies.

- Nandini - 23%
- Loose vendor's - 57%
- Private Brands - 14%
- Others - 6%

Even today large number of the markets share lies with the loose venders who supplies inferior quality of the milk. Therefore, it is necessary for the company to undertake an aggressive marketing campaign and educate people about the quality of the milk.

Marketing strategy:

- Visit to all roots of distribution vehicle for connect with all agents.
- Aims to conduct consumer awareness program.
- Aims to conduct agents meeting.
- Aims to setup more Nandini milk parlors.
- Joining to other programs.
- Women's association.
- Aiming to setup new sales promotional and advertising activities.

Distribution channel:

DMU ⇨ Transportation ⇨ Dealers ⇨ Door delivery Boys ⇨ Consumers
DMU ⇨ Transportation ⇨ Institution (Institution: Hospitals, Hotels, Hostels, etc)
DMU ⇨ Transportation ⇨ Parlous ⇨ Consumers
DMU ⇨ Transportation ⇨ Day counters ⇨ Consumers

Distribution Covering Areas:

KMF Dharwad distributes its products, covering the regions of Hubli, Dharwad, Bagalkot, Belagavi, Gadag, Haveri districts, and part of Uttar Kannada. This milk federation operates in 28 talukas through 995 milk producers' cooperative societies. The infrastructure of this milk union is capable of processing 2.10 lakh litres of milk daily, resulting in the production of 10 tonnes of milk powder, 9 tonnes of butter, and 400 tonnes of ghee per day.

Specifically, there are processing capacities of 20 thousand litres in Haveri, 20 thousand litres in Hirekerur, 20 thousand litres in Gadag, 20 thousand litres in Rona, and 2 thousand litres in Kumata, with a total capacity of 92 thousand litres of milk. Additionally, the union operates 43 bulk milk coolers and 386 automatic milk storage stations. On average, the union stores 2.33 lakh kg of milk daily, with an average of 0.95 lakh litres of milk sold and 0.09 lakh kg of curd sold.

Production of Nandini Milk Items

Karnataka ranks 11th in milk production in India, having produced 57.2 lakh tonnes in the fiscal year 2018-2019. This accounted for approximately 5% of India's total production. Our state stands as the second-largest milk producer in the cooperative sector, following Gujarat, and ranks fourth in sales. All the data presented in Table 1 indicates the successful accomplishments of the KMF.

Table: 1, Production of Nandini milk products (2019).

Items	Unit	Production	Percentage
Milk Power	(kg)	7176	0.45
Butter	(kg)	6216	0.39
Ghee	(kg)	11388	0.72
Curds	(kg)	1011	0.06
Pedha	(kg)	529306	33.34
Khova	(kg)	119323	7.52
Paneer	(kg)	365723	23.03
Burfy	(kg)	88036	5.54
Jomoon mix	(kg)	14145	0.89
Premium Burfi	(kg)	23384	1.47
Jamoon	(kg)	9485	0.60
Mysore Pak	(kg)	280800	17.69
Nandini Bite	(kg)	38856	2.45
Badam Powder	(kg)	92852	5.85
	Total (kg)	1587701	

Merits

1. Nandini maintains a favourable public perception.
2. The expansive distribution network ensures consistent and timely supply.
3. The processed milk originates locally, thereby mitigating transportation costs.
4. It commands the highest market share within the packed milk segment.
5. A notable 58.5% of respondents express satisfaction with Nandini milk.
6. The principles of cleanliness, discipline, and transparency serve to fortify KMF Dharwad.
7. In accordance with the assertion by the President of KMF, P. Nagaraju, the establishment of a mega dairy in Dharwad district has significantly fortified the cooperative milk movement.
8. The cooperative entity allocates higher remuneration to farmers supplying milk in Dharwad, Haveri, and Uttara Kannada districts.

Observation:

In our observation, several noteworthy findings emerge:

1. A conspicuous dearth of consumer awareness pertains to the extensive array of products available for purchase.
2. Numerous private brands actively engage in formidable competition, employing strategies such as offering agents elevated trade margins.

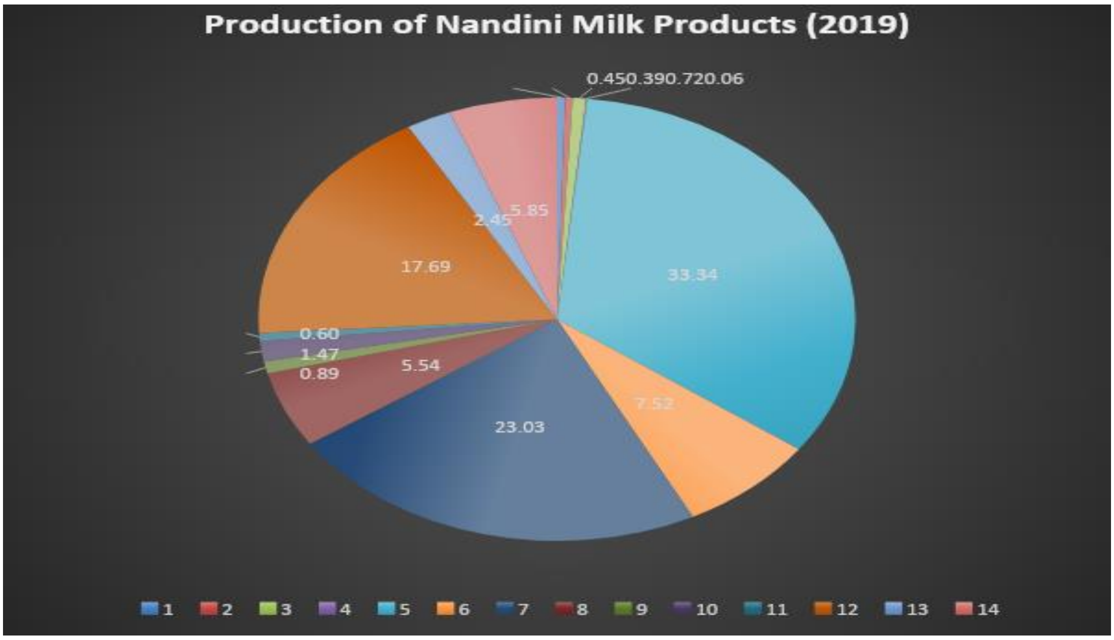
3. The organization assumes a pivotal role in fostering the economic viability of the villages.
4. The powder-making plant assumes a vital and integral role within the framework of Dharwad Milk Union.
5. Dissatisfaction among retailers surfaces regarding the commission structure provided by Dharwad Milk Union.

Suggestion

1. Ensuring contentment among retailers and dealers with commission structures and incentive schemes is imperative for enhancing market sales.
2. The company ought to introduce novel products featuring diverse varieties and attributes to captivate customer interest.
3. Implementing comprehensive advertising strategies to promote all available products in the market is essential.
4. The organization has the opportunity to establish superior infrastructure, incorporating elements such as well-maintained gardens, to outclass competitors.
5. Should the company contemplate the reintroduction of "double-toned milk" into production, it must initially furnish ample knowledge and awareness about the product's attributes relative to its counterparts.

Conclusions:

It was an exciting experience for all of us to visit KMF Dharwad. From this paper, I learned about the marketing tactics used by the Dharwad Milk Union. The Dharwad Milk Union is a reputable organization that has developed goodwill in the market to compete with other famous brands such as SPHURTI, AROKYA, SRI KRISHNA, etc. It needs to adopt modern technology in the production process to improve marketing compared to others. Additionally, it should consider increasing the rate of commission payable to its agents, dealers, or retailers.



Dharwad Milk Union is functioning effectively for the social as well as economic upliftment of the rural population.

To survive in the market, the company needs to adapt to an aggressive marketing policy like its competitors.

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Calcutta's Western Cultured "Bhadralok": Reflection of their Distinctive Indentity at the Early Nineteenth Century politics.

Saroj Mahata
State Aided College Teacher, Department of History.
Gourav Guin Memorial College, C.K.Road, Paschim Medinipur, West Bengal, India.
Ph.D Research Scholar.
Dept of History. Rkdf University, Ranchi, Jharkhand, India.
Corresponding Author- Saroj Mahata
Email:- sar83mahata@gmail.com
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Abstract:-

Caste or Class refers to a particular group of people. Religions, Manners, education, social status etc, were particularly helpful in forming such classes. Every family lived with a certain boundary and it was customary not to transgress this boundary even in social and marital relations. But, after the establishment of British rule in Bangladesh, Hindus came in contact with western education and culture. As result, English educated Indian masses began to work as government employees. Most of these employees were son's of upper caste Hindu families i.c Brahmins, Vaidyas, Kayashes etc. Due to government services, they become a Socially strong community and strive to establish close a relations among themselves. Having come in contact with the English rulers, they also started to consider themselves as belonging to the Ruling class. As a result, their distance with the common people gradually increased. Again, from the economic condition of government employees was much more stable. It is this improved condition in the financial and social spheres that helps to make government employees a distinct class or caste. But civil servants as a social class were not very cohesive and their cohesion was Largely external. The only source of solidarity between them was government service. Although the " Bhadralok" formed a class, there was considerable difference between " Bhadralok" as a class or race in the conventional sense. Most of the government employees were residents of the city and Specifically of Calcutta. So they had no relationship with the village. Therefore, their influence on rural social life was Unaffected. That is why "Bhadralok" can be called a class in a limited sense, but they can never be Considered as a class in a broader sense. This article focuses on the early nineteenth century politics of the" Bhadralok" as a reflection of their Distinctive Indentity.

Keywords: - Bhadralok, western education, Babu culture, Civil Servants, Distinctive Identity.

Introduction:-

The goal of ancient Indian governance was to protect varnasrama. That is, to allow each nation to act according to its own religious, to see that no nation violates its own rights or encroaches on the rights of other nations. The rulers of the Middle ages, whatever their own conceptions of caste, followed the earlier policy, so that no matter how high there were conflicts over thrones and Power, the normal way of life in the country did not change. The situation started to change after the beginning of British rule in India. But the pace of this change was very slow in the early days of British rule and the British Government did not make any deliberate effort to bring about this change. The introduction of modern science and technology in India as a result of British rule led to the establishment of several factories. But large country of India, there was no revolutionary change in production the old appearance of the production system was maintained. The need for any sweeping social change was not widely felt among the castes of India. Among the non- agricultural professional castes whose work methods or techniques do not arise such as cowherds, barbers, modaks, Rajaks etc, also showed no interest in changing the traditional social system. But a few castes suffered grievously in direct conflict with mechanical arts, especially the Tattava, Karamkara, etc, castes, who naturally retreated in competition with machine-made goods produced aboard. Karl Marx called the villages of India self- sufficient. However, many of his contemporary historians do not accept this view. But if not literally of various what he said, there was every where a territorial self- sufficiency in the combination of the activities of various professional nations, which was destroyed after the British occupation. There was a strong social mobility among the upper castes as the welfare English Education opened up various possibilities for their livelihood and new lucrative professions led to a roughly homogenous way of life for the upper castes of English Education.

Objectives:-

The present study aimed at the following objectives:-

1. The paper is going to focus on the impact of Modern Education and technology among common people under the British rule.
2. The paper concerns about a group of special class conscious peple,i.e. 'Bhadralok' which was created as result of English Education in India.
3. The paper also deals with the distinctive identity of 'Bhadralok' in nineteenth century politics.
4. The paper deals with the changes in socio-political scenario of nineteenth century.

5. The present paper focuses to give a sketch of Babu culture. This paper gives a glimpse of the establishment of the organization Young Bengal and their various types of reformation.
6. It focuses on the group of intellectuals and their opposition on the Zamindar system.

Methodology:-

The study is supported by secondary data. Given the nature of the current research, secondary sources have to be used to gather meterial for this exploratory and descriptive paper. Secondary data was gathered from academic working papers, currently in progress, books, Journals, news papers, research projects and websites run by the Indian government.

Discussion:-

During the British period, Modern educated persons were considered as the “gentry class”. A common way of life developed among these English educated gentry castes. In fact the professionals like government or Marchant office bearers, teachers, brokers, Modern doctors, lawyers etc. Whether,Brahmins or kayasthas or Vaidyas even if some come from lower ranks had reached a level playing field in view of the new situation. And this category of people attempted a “ re- grouping" or formation of new social groups or castes. The popularity of anti- caste ideas such as non- caste marriage emerged within this class. But it is not so much to break caste system completely as to create new castes according to their own social environment. It must be said here that, the marriage of doctor in a Lucrative profession with the daughter of a high government official may be unsavory. Here the boundary of the old nation was crossed, but a new boundary of equality was formed, beyond which it was impossible to go . From the mid-nineteenth century, the pace of this system accelerated.

After the establishment of British rule in Bangladesh, Hindus came in contact with western education and culture. As a result, western English educated Indian masses began to be employed as government employees. Lord Cornwallis was not in favor of appointing Indians to higher positions, but during the tenure of Lord Amherst , William Bentinck, Lord Auckland , English educated people got the opportunity to accept service in various departments of the government. Most of these employees were son’s of upper caste Hindu families, i.e Brahmins, Vaidyas, Kayashes etc. Due to government services they become a strong community, socially and strive to establish close relations among themselves. Also ,Having Come in contact with the British rulers, they also started to consider them selves as belonging to the ruling class. As a result, their distance with the common people gradually increased. Again, from the economic condition of government employees was much more stable. In the 19^{th} century, most of the people of Bangadesh were depended on agriculture. However, income from uncertain. Due to natural calamities, lack of rain, changes in government policies etc., people dependent on agriculture had to face various problems. Besides, the amount of income from trade, was also very limited. Because foreign merchants enjoyed almost a monopoly on profitable foreign trade. So the government and private sector employees were much stable financially. It is this improved condition in the financial and social spheres that helps to make government employees a distinct class or caste. But civil servants as a social class were not very cohesive, and their cohesion was largely external. The only source of solidarity between then was government service. As a result, although the “ Bhadralok" formed a class, there was considerable difference from class or race in the conventional sense.

Most of the government employees were residents of the city. Their relationship with the village was very simple. As a result, their influence on rural social life was very simple. That is why “Bhadralok" can be called a class in a Limited sense. But they can never be called a class in a broad sense. Moreover, there existed both commonality of interest and conflict of interest among these classes. Again the British rulers were in favor of keeping the Indian servants separate from the common subjects by the policy of segregation. The necessary number of British princes to properly in India. So in many cases they had to rely on Indian employees. The British Government also always tried to keep a glance on creating a sense of individuality among the Indian employees. This appeasement policy of the British Government turned the Indian royals into a loose society. As the rules of transfer were strictly prevalent in government service, there was ample opportunity for familiarity and relations among the employees and there were opportunities to build relationships.

The British rulers tried to conduct official activities through the Persian language, but later English was recognized as the official language. So Indian people who have English language started getting service in various government Departments. In the meantime, a number of schools were also established for teaching English in different places. During the tenure of Lord William Bentinck, when the English language was recognized as the medium of education, the initiative to establish schools under the patronage of the government and began with the public money. During the tenure of Governor General, Lord Auckland, the trend of English Education increased manifold when the rule of appointing only English- speaking people as civil servants was introduced. Many English- speaking people were patrons and devotees of Western

Culture . Apart from speaking the customs and manners of the English nation. As a result, the educated Bengali society is deeply influenced by the western ideology. Many of the “Bhadralok" (gentry) were brilliant students and well- versed in Eastern and western studies. They also show considerable talent in writing literature. Many of the nineteenth century Bengali poets and writers were skilled administrations. Due to their efforts, there was a great change in the cultural world of Bengali and they become eager to restore the past glory of Bengal.

The “Bhadralok" were the illiterate English-educated elites in the course of social evolution under colonial rule. In pre- modern Sanskrit the word “Bhadra" was used in multiple meanings, namely “ Vastuvita" and owner of landed properly etc. During the Nawabi period, when someone used to get free benefits from the Landlord of his house, that house was known as" Bhadrasan" in the society. A possessor of “Bhadrasana" is “ Bhadra" and hence the term “ Bhadralok" also referred to the beauty and manners of a particular person. The “Bhadralok" began to develop as a social class in the early nineteenth century. Their characteristic is to gain land property by trading with foreigners and gain government service by learning English. By the middle of the 19th century “Bhadralok" become a social class. As “Bhadralok" is characterised by English Education, city, residence and government employment. Our first introduction to the word “ Bhadralok" in its institutional sense is in the writings of Bhavanicharan Bandyopadhyay (1787-1848). He caricatured the new native clerks, petty bureaucrats, officials – employees, new businessmen and new Land Lord’s, contractors, etc. Collectively termed as “Bhadralok”, Navya Bhadralok is the subject of his satirical works Kalikata kamalaya (1826), Navababubilas(1825), Navabbibilas(1831) etc . In his description, the “ Bhadralok" came in the company of Europeans and acquired great wealth overnight , under the influence of the white Lord, this new “ Bhadralok" , is very hostile to the religion and culture of their forefathers ,which is why they are laughable and disrespectful to the “ Sanatan Banedi Society".

In the 19th century, “ Babu culture “ or Babu culture emerged in Bangladesh along with the “ Bhadralok culture “. The sons of ordinary rich merchants and arbitrary landlords were the inventors, bearers and bearers of the Babu culture. The main goal of Babu culture is to live a life of Luxury and indulgence. Babu's main goal was to compete for money for various trivial reasons. Patrons of ‘ Babu culture ‘ also considered it glorious to spend money and become destitute. However, Babu culture has many things that are bad, but in one respect it works admirably. Dance and song continued to be practiced under their patronage and Bengalis were able to preserve the signature of their talent in this regard. Through the formation of various classes, societies the nineteenth century Indians got the opportunity to be nourished in the modern political ideology. Initially religious fervor, class solidarity etc, helped to form Samiti but later secularism also encouraged a group of Indians to form Samiti. Similar working methods, common education and aspirations, common hatred and discontent against British rule etc, are common among Indians in encourages them to place above ethnic and regional interests and form associations for the achievement of common goals. From the mid- nineteenth century, Indians were freed from the traditional influence of family, caste and region to enter modern- day politics. However, these associations were initially formed as regional bodies. But later it was these regional associations that strove to from a national organization by establishing contact with other associations. In fact, the National congress was established as an all India organization based on various regional associations.

The first societies were formed in the capitals of the three presidencies of British India, i.e. Calcutta, Mumbai, and Chennai. The change in the traditional governance system of these places and the new economy due to the establishment of British rule were the first reasons for the formation of societies. Indians who were educated in English and were involved in the interests of the ruling class took the role of guiding the formation of the association. These are the people inspired by Western education and thought but neglected in conservative societies expressed the special interest. As a result, within ten years of the establishment of the Hindu college in Calcutta, the students of that school formed an organization called the Academic Association in 1829 A.D. The numbers of this organization known as young Bengal ,began to lay emphasis on free thought, religion, truth, etc, extolling the futility of paganism – Rational thought was their main focus and influenced by the Independent thinking of Henry Derozio and David Hare ,they also began to attack the conservative Hindu community. But the Members of young Bengal, lived in a fantasy world and raised demands for human rights and unpaid informal education. On the other side a Bengal with a practical mind laid the foundation of regional politics by raising specific grievances and their demands for redressal. In 1838, a student council called “ Acquisition of General Knowledge “ was formed in Calcutta. By 1843 A.D, the membership of this organization was substantial .Ramgopal Ghosh, Parichand Mitra, Debendra Nath Tagore and other were associated with this meeting. Many newspapers started to be published with the establishment of these organizations in Calcutta. The students of presidency College published six Journals between 1818 and 1843 A.D.

Apart from Calcutta, there is another special reason for the formation of associations in Mumbai and Chennai at this time. In 1853, when the time came for the renewal of the a " East India Company's " charter, there was a need for a review of the company's activities by the British parliament. So the Indians tried to express their views before the parliament before the new charter was granted. For this purpose the British Indian Association was formed in Calcutta in 1851 A.D. The British Indian Association established in Calcutta was actually the successor of the land Holders society and the British India society of Bengal. The land Holders society was formed in 1837 A.D to protect the interests of the Landlords. Some time later in 1843 A.D the members of Young Bengal formed the Bengal 1837 and 1852 A.D, most of the associations that arose in different parts of India apart from Bengal were regional in character and all were dominated by rich merchant and Landlord groups. The Zaminders formed land Holders Associations in imitation of the chamber of commerce formed by the rich businessman of Bengal for commercial opportunities. The first it was named Zamindari Association, later it was renamed as Land Holders Association. The main objective of this organization was to protect the interests of Landlords, there fore any land lord irrespective of caste and religion could become its member. The work of this association was not limited to Calcutta and it was arranged to extend it to different districts. Prince Dwarkanath Tagore was one of the founders of this institution. He believed in the constitutional movement and remarked at a meeting held at the Calcutta Town Hall during this time that soon the young students of the Hindu college would try to organize themselves to gain political rights and redress their grievances. But the Zaminders, though Liberal in thought, refused to allow any person other than the Land lord to join their organization. Other than the Land lords like Ramkamal sen, Radha Kanta Dev, Digambar Mitra, Parimohan Mukherjee etc , No other person got membership of this organization. Among the free Bengal Zaminders, the Zaminders of Kashibazar, Lalgola,Natore, Mymensingh etc, joined this organization. The elite Zamindars formed this organization to protest there interests and prove their Independence. No person other than the Zaminder was considered eligible for membership in this organization.

In 1843 A.D the members of Young Bengal formed the "British India society ". Their main objective was to Undertake various reform programs to prove their Independence. They also made several proposals for reforming the Zamindari system. Then the dispute started between these two organizations of Bengal. So this both these association of Bengal Presidency lost their popularity. Finally the ' British Indian Association' was formed in 1851 A.D and Raja Radhakanta Dev was appointed as the first president of the Association and Devendra nath Tagore was elected as the first Secretary. Although the Samiti adopted the principle of being composed of all classes of persons, a few people educated in Western education except the Zamindari class were admitted to the Samiti. Infact the British Indian Association tried to assume the role of National Organization and opposition Organization to the government. As a result, the policy of recruiting members from other classes besides the Zamindars was adopted. So they also started giving membership to the elite Community and intellectuals of Calcutta. Thus a new relationship developed between the Landlord class and the educated and Intelligentsia. But here too there was a sense of Uniqueness . The separation of these two classes from the Common people becomes evident in the activities of the Samiti. The formation of the British Indian Association, Ramgopal Ghosh, Parichand Mitra , Rajendralal Mitra, Harish Chandra Mukherjee and others Joined this organization. From this time the British Indian Association adopted a New Programe. They started doing a Lot of work beyond Protecting the interests of the Land Lord's. Proposals for reforming the Council and appointing Indians to government posts become their regular topics of discussion.

In 1853 A.D ,they Strongly Criticized the Calcutta Municipal Bill. In 1854 A.D, they demands the end of the salt Monopoly. In 1855 A.D, they demanded extension of permanent Settlement and reform of Judiciary. This Organization Protested Wilson's economic proposals after the Sepoy Mutiny, demanded the appointment of a Commission to Inquire into the Indigo Riots, established of a Famine Fund in 1860 A.D and took Special Interest in the Calcutta Municipality , appointed a Governor- in- Council for Bengal in 1868 A.D, demanded and protested against the Native Marriage Bill in 1869 A.D. The Organization also expressed its views on Government policies against Civil service and Lawyers. All these activities prove that the British Indian Association become the Mouthpiece of the educated class with out the Landlords. The Government of Bengal also began to give importance to the views of the British Indian Association and the members of the Council were Nominated from this Association. The Samiti's Newspaper " The Hindu Patriot ", become the Largest Newspaper in Bengal. Thus the " British Indian Association took the form of an Organization of Moderates and intellectuals and till 1870 A.D there was no Association Stronger than this Association not only in Bengal but in the whole of India.

Conclusion:-

The introduction of the permanent Settlement in 1793 A.D gave the Zamindars of Bengal a Special Status and their Social dominance was well established. They Strive to establish themselves as a distinct class to improve their status. But when the intellectuals of Bengal enlightened by western education started criticized Strongly against the Zamindari system, the Zamindars tried to build good relations with the intellectuals as the best way to protect themselves. As a result, a new social and political equation took place in Bengal. Within this equation, the Landowners and the intellectuals got a Change to reassert themselves.

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Distribution of BPL Families in Rural Areas of Solapur District: A Geographical Analysis

Dr. Bhosale Govind Jalindar
Associate Professor, Department of Geography, Uma Mahavidyalaya, Pandharpur.
Tal: - Pandharpur, Dist: - Solapur.
Corresponding Author- Dr. Bhosale Govind Jalindar
DOI- 10.5281/zenodo.10526885

Abstract: -

The present paper mainly studied "Distribution of BPL Families in Rural Areas of Solapur District: A Geographical Analysis." Poverty is a state or condition in which a person or community lacks the financial resources and essentials for a minimum standard of living. Poverty means the income level from employment is so low that basic human needs can't be met. There are two main type of poverty. First one is Absolute Poverty means a condition where household income is below a necessary level to maintain basic living standards (food, shelter, and housing). This condition makes it possible to compare between different countries and also over time. It was first introduced in 1990, the "dollar a day" poverty line measured absolute poverty by the standards of the world's most poor countries. In October 2015, the World Bank reset it to $1.90 a day. Second type of poverty is Relative Poverty that means; it is defined from the social perspective that is living standard compared to the economic standards of population living in surroundings. Hence it is a measure of income inequality. Usually, relative poverty is measured as the percentage of the population with income less than some fixed proportion of median income.

Poverty estimation in India is carried out by NITI Aayog's task force through the calculation of poverty line based on the data captured by the National Sample Survey Office under the Ministry of Statistics and Programme Implementation (MOSPI). The names of people whose family income is less than what is decided by the government should be included in the list. It was determined on the basis of monthly expenses on food, education, health, transport and electricity. According to this committee, a person who is spending Rs. 33 a day in urban areas and only Rs. 27 a day in rural areas live below the poverty line. Yellow cards are issued to families living below the poverty line (BPL). As per a methodology approved by the Union Cabinet, the income limit was Rs 27,000 per annum for households to qualify as beneficiaries under BPL. Many studies reviled that specifically the rural belongs to Below Poverty Line families having difficult socioeconomic situation and health condition due to poor education, lack of health facilities, backwardness and many other major causes. The present paper mainly focuses on the Rural Areas BPL Families in Solapur District.

Keywords: BPL- Below Poverty Line.

Introduction:

According to World Bank, Poverty is pronounced deprivation in well-being, and comprises many dimensions. It includes low incomes and the inability to acquire the basic goods and services necessary for survival with dignity. Poverty also encompasses low levels of health and education, poor access to clean water and sanitation, inadequate physical security, lack of voice, and insufficient capacity and opportunity to better one's life. The full form of BPL is Below Poverty Line. India's government has set this economic standard so it can identify the lower-income people in the community who need urgent assistance from the government. The government has placed an income limit. Individuals whose earnings fall below the limit are listed as BPL.

In this committee raised the daily per capita expenditure to Rs 47 for urban and Rs 32 for rural from Rs 32 and Rs 26 respectively3 at 2011-12 prices. Monthly per capita consumption expenditure of Rs. 972 in rural areas and Rs. 1407 in urban areas is recommended as the poverty line at the all India level. BPL stands for "below the poverty line". This term is used to define a certain income threshold that different governments use to determine who is living in poverty and who is not. Answer: This depends on your country or state's specific criteria. While the Planning Commission estimates the number and proportion of persons living below the poverty line, the Ministry of Rural Development (MoRD) conducts the BPL Census through State Governments/ UT Administrations to identify the BPL households in the rural areas. The present paper mainly studied on the Distribution of Rural Areas BPL Families in Solapur District. For this purpose, the Rural Areas BPL Families in the year 2011 in the Solapur district has been taken in to the consideration.

Study Area: -

Solapur district is one of the important districts in Maharashtra. It lies entirely in the Bhima-Sina-Man basins. The district of Solapur is located between 17^0 10' North and 18^0 32' North latitudes and 74^0 42' East and 76^0 15' East longitudes. The East-West length of the district is about 200 kilometer and North-South width is about 150 kilometers. The total geographical area of the Solapur district is about 14895 square kilometer and population is 43, 17, 756 according to 2011 census.

Fig. No. 1

In term of area, Karmala is the largest tehsil and the lowest is North Solapur tehsil in the Solapur district. Solapur district plays significant role in the fields of agriculture, economics, industrial and social fields.

Objective: -

The important objectives of the present research paper are as follows

- To study the Distribution of BPL Families in Rural Areas of Solapur District.

Database and Methodology: -

The present paper depends on the secondary data. It has been collected through District Census Handbook, Social Economic Review and other materials used. The study has been concentrated in the spatial analysis of Rural Areas BPL Families in Solapur district. Some other sources of information are used for the present research, like unpublished material.

The collected information from the different sources is processed and percentage calculated. Final results are presented in the form of tables with help of these tables different diagrams, graphs are made and analyzed.

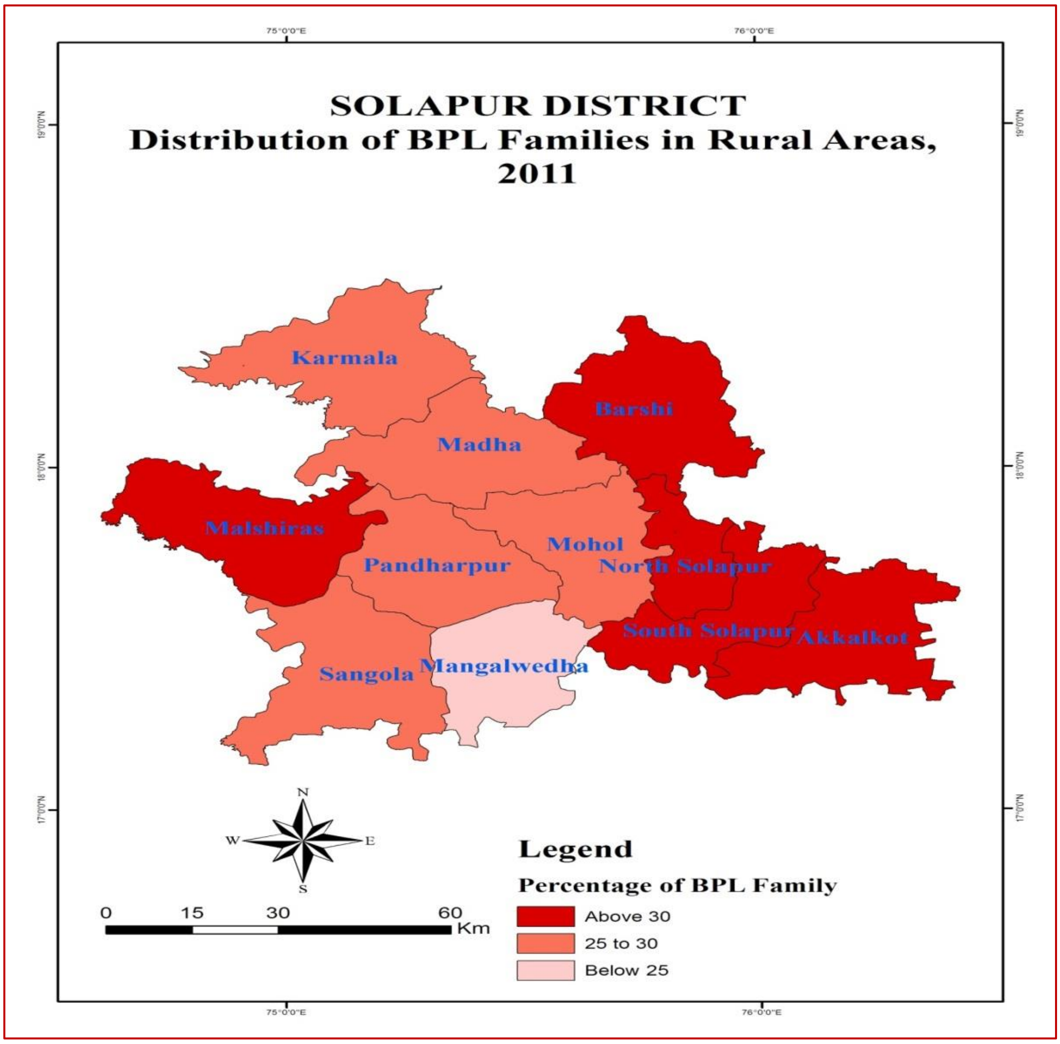
Distribution of BPL Families in Rural Areas of Solapur District: -

The full form of BPL is Below Poverty Line. India's government has set this economic standard so it can identify the lower-income people in the community who need urgent assistance from the government. The government has placed an income limit. Individuals whose earnings fall below the limit are listed as BPL.

Table -1 Distribution of BPL Families in Rural Areas of Solapur District, 2011

Sr. No	Name of the Tahsil	Total Number of Rural Families	Total Number of BPL Families in Rural Areas	Percentage of BPL Families
1.	Karmala	50762	13658	26.91
2.	Madha	52288	13134	25.12
3.	Barshi	55322	17590	31.80
4.	North Solapur	16620	5493	33.05
5.	Mohol	52021	14272	27.44
6.	Pandharpur	57004	15985	28.04
7.	Malshiras	90281	29093	32.22
8.	Sangola	63163	19624	27.90
9.	Mangalvedha	36965	9191	24.86
10.	South Solapur	44176	14590	33.03
11.	Akkalkot	53773	17127	31.85
	District Total	**572375**	**167757**	**29.31**

Source: Socio-Economic Abstract of Solapur District, 2013



In the year 2011, total number of rural families in Solapur district 572375. It has been observed that the highest number of rural families in the tehsils of Malshiras that is 90281, while the lowest number of rural families in the tehsils of North Solapur that is only 16620. Because of in the rural dominated areas highest families have been seen and they are engaged for agricultural operations, while in the urban areas like North Solpaur most of the families live in rural areas and only working people come into these cities for search in jobs.

In the year, 2011 the total numbers of BPL families in the rural areas are 167757. The highest number of BPL families in the rural areas is observed in Malshiras tehsil which is 29093, while the lowest member of BPL families in the rural areas is observed in tehsils of North Solapur that is 5493.

The other study mainly concentrated on the percentage of BPL families in the Solapur district in the year 2011. In the year 2011, percentage of BPL families in the Solapur district is 29.31. The highest percentage of BPL families in Solapur district is observed in North Solapur tehsil which is 33.05 percent, while the lowest BPL families in Solapur district is observed in Mangalvedha that is 24.86 percent. It has been concluded that in the urban areas highest BPL families have been seen, because of most the families lives in slum areas and their income is very low so they come into the below poverty line criteria. While rural areas like Mangalvedha most of the families engaged in agriculture as well as some families migrated in urban areas in search of jobs, so the BPL families seen low.

Conclusion: -

The full form of BPL is Below Poverty Line. India's government has set this economic standard so it can identify the lower-income people in the community who need urgent assistance from the government. According to this committee, a person who is spending Rs. 33 a day in urban areas and only Rs. 27 a day in rural areas live below the poverty line. BPL cardholders are entitled to various benefits, including access to subsidized food grains through the Public Distribution System, free or subsidized healthcare services, educational support in the form of scholarships and textbooks, housing support schemes, and skill development programs for employment

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Implications and Interpretations of Section 262 to 265: A Deep Dive into Plea Bargaining under the Criminal Procedure Code, 1973

Sri. Santosh H. Gaddapwar
Assistant Professor (Law), Government Law College, Mumbai, University of Mumbai
Corresponding Author- Sri. Santosh H. Gaddapwar
Email: gaddapwar1234@gmail.com
DOI- 10.5281/zenodo.10526892

Abstract

The study aims to understand the implications and interpretations of Sections 262 to 265 of the Criminal Procedure Code, 1973 (Cr PC) in India. These sections revolve around the concept of plea bargaining, a relatively new procedural advancement in the Indian criminal justice system. This paper aims to interpret the sections critically, analyzing their implementation and implications, alongside potential improvements.
Keywords: Plea Bargaining, Criminal Procedure Code 1973, Section 262-265, Indian Criminal Justice System, Judicial Efficiency, Voluntariness, Transparency, Rights of Accused, Case Load Reduction, Legal Reforms.

Introduction

The Indian criminal justice system, while deeply rooted in its traditions, has shown adaptability. Plea bargaining, a process common in various Western jurisdictions, made its formal entry into the Indian criminal justice system with the Criminal Law (Amendment) Act, 2005. The said provisions (Section 262-265) were introduced in the CrPC to offer a speedier alternative to traditional trials.

Plea Bargaining: A Brief Overview

Plea bargaining is a process wherein the accused and the prosecution come to an agreement. In exchange for some concession from the prosecutor, the accused agrees to plead guilty to a particular charge. This reduces the time, cost, and effort involved in full-blown trials.

1. **Section 262**:
- **Subsection 262(1)**: This section empowers the court to conduct the trial for plea bargaining cases summarily, as per the provisions of Sections 263 to 265.
- **Subsection 262(2)**: It also mentions that no sentence of imprisonment for a term exceeding one year shall be passed in the case of any conviction under this Chapter.
- **Implication**: This section aims to simplify the trial process for the plea bargaining cases, making it more efficient, yet limiting the sentencing power for certain offenses.

2. **Section 263**:
- **Subsection 263(a)**: This section states that the court shall record the mutual voluntary satisfaction of the parties and the agreement's facts, including the offenses involved.
- **Subsection 263(b)**: The court shall then issue notice to the Public Prosecutor or the complainant of the offense to appear on the date fixed by the court.
- **Implication**: It ensures that the agreement reached during plea bargaining is voluntarily made and that it conforms to the legal requirements, and it involves both the prosecution and the victim.

3. **Section 264**:
- **Subsection 264(a)**: This section outlines the steps to be taken once mutual satisfaction of the parties is reached. The court shall record the same and may dispose of the case accordingly.
- **Subsection 264(b)**: If, for some reason, the court is not satisfied with the arrangement, it shall record the reasons and allow the prosecution to proceed as if there were no plea bargaining.
- **Implication**: This section acts as the primary guide for the actual process of plea bargaining, ensuring that the court must find the agreement satisfactory and providing a mechanism for moving forward if not.

4. **Section 265**:
- **Subsection 265(A-F)**: These subsections contain various provisions pertaining to the judgment in plea bargaining cases, including the court's duties and the manner of pronouncing judgment.
- **Subsection 265(G)**: It also protects the accused from subsequent prosecution for the same offense once a plea bargaining judgment has been pronounced.
- **Implication**: This section safeguards the rights of the accused, ensuring that the judgment is in line with the agreed bargain, and prevents double jeopardy.

Implications

1. **Case Load Reduction**:
- **Reduction in Trial Length**: Plea bargaining allows for a more expeditious conclusion of cases as it eliminates the need for prolonged trials. This can free up valuable court time.
- **Financial Savings**: Alongside time, plea bargaining can reduce the financial resources needed for conducting a full-fledged trial.
- **Challenges**: The success in case load reduction is contingent on proper application and

acceptance of plea bargaining. If misapplied, it might not achieve the desired efficiency.

- **Implication**: By potentially alleviating the burden on the judiciary, plea bargaining could be a vital tool in addressing the immense backlog of cases in Indian courts.

2. **Rights and Protection of Accused**:

- **Coercion Concerns**: The allure of a lesser penalty might lead the accused to admit guilt even if innocent, which could be particularly pronounced with those lacking proper legal guidance.
- **Legal Representation**: The quality of legal representation can significantly impact the decision to engage in plea bargaining, potentially leading to inequalities.
- **Double Jeopardy Protection**: Section 265 ensures that an accused is not prosecuted again for the same offense, safeguarding against double jeopardy.
- **Implication**: While intended to provide an alternative to traditional trial, plea bargaining raises serious questions about voluntariness and the potential undermining of the rights of the accused.

3. **Impact on the Justice System**:

- **Speed vs. Accuracy**: Plea bargaining's focus on expediting legal processes might lead to miscarriages of justice if conducted hastily or without adequate scrutiny.
- **Prosecutorial Power**: There might be an imbalance of power, with prosecutors having substantial discretion in proposing bargains, which could lead to unjust outcomes.
- **Transparency Concerns**: Conducted behind closed doors, plea bargains might reduce transparency and public faith in the justice system.
- **Victim's Perspective**: The plea bargaining process might overlook the victim's standpoint and desire for justice, thus compromising their rights and interests.
- **Implication**: The introduction of plea bargaining represents a fundamental shift in the criminal justice system's operation. While it offers efficiencies, it raises concerns over justice's accuracy, fairness, and transparency.

Critical Analysis

Voluntariness

1. **Concerns about Coercion**:

- Plea bargaining's voluntary nature is questioned as defendants may feel pressured into accepting a deal, fearing a harsher sentence if they go to trial.
- Power imbalances between the prosecution and defense, especially if the accused lacks proper legal representation, might lead to coerced agreements.

2. **Informing the Accused**:

- The accused must fully understand the rights they are waiving and the consequences of their guilty plea. Failure to ensure informed consent can undermine the voluntariness of plea agreements.

3. **Implications**:

- The concern over voluntariness requires strict safeguards to ensure that plea bargains are entered into freely and with full knowledge of the potential outcomes.
- Proper legal counsel and clear explanation of the process are crucial to preserve the integrity of this aspect of the criminal justice system.

Judicial Oversight

1. **Potential for Prosecutor Dominance**:

- The prosecutor's prominent role in initiating and negotiating plea bargains might lead to an imbalance of power.
- Limited judicial oversight can cause unfair or inconsistent outcomes, depending on the prosecutor's discretion.

2. **Importance of Checks and Balances**:

- Ensuring that judges have an appropriate role in overseeing and approving plea bargains can mitigate the risk of abuse.
- Judges should actively ensure that the agreement is fair, lawful, and voluntary.

3. **Implications**:

- A system dominated by prosecutors without sufficient judicial oversight could lead to inconsistencies and potential injustices.
- Strengthening the role of the judiciary in the process can maintain the balance between efficiency and fairness.

Transparency and Public Faith

1. **Lack of Transparency**:

- Plea bargains often occur in private settings, away from public scrutiny, which may lead to perceptions of backroom deals and special treatment.

2. **Impact on Public Trust**:

- Reduced transparency may diminish public trust in the judicial system, leading to questions about the integrity and fairness of legal processes.

3. **Need for Openness**:

- Incorporating mechanisms for greater transparency, such as publishing plea agreements or providing public rationales for accepted bargains, could alleviate these concerns.

4. **Implications**:

- Balancing the efficiency of plea bargaining with the need for transparency is critical in maintaining public confidence in the legal system.

- Adopting measures to enhance openness can mitigate concerns over the potentially clandestine nature of plea negotiations.

Conclusion

Sections 262-265 of the Criminal Procedure Code, 1973 (CrPC) introduce a novel procedure in the form of plea bargaining, a mechanism that underscores a radical shift in the Indian criminal justice system. It embodies a progressive intent to make the judiciary more efficient by expediting cases and reducing the staggering backlog that has long plagued the system. However, the introduction of plea bargaining is not without its complexities and challenges. The mechanism raises fundamental concerns about voluntariness, judicial oversight, transparency, and public trust. These issues form a critical crossroad, where efficiency must be carefully weighed against the principles of fairness, due process, and the rights of both accused and victims. The primary concern regarding voluntariness emphasizes the need for robust safeguards that ensure the accused is making an informed and genuinely voluntary decision. Legal representation and education about rights, potential outcomes, and the process itself must be reinforced. The balance of power in plea negotiations must be carefully considered as well. A system overly dominated by prosecutors could lead to uneven outcomes, and thus, judicial oversight should be strengthened to maintain checks and balances, ensuring that plea bargains are fair, lawful, and aligned with the pursuit of justice. Transparency remains a pivotal issue, with plea bargaining's often private nature potentially eroding public confidence. Implementing measures that promote transparency without compromising the effectiveness of plea negotiations is a challenge that must be met to preserve public faith in the justice system.

In conclusion, while Sections 262-265 of the CrPC mark a commendable and innovative step towards judicial efficiency in India, the success of plea bargaining as a legal tool depends on the delicate balance between expediency and justice. The concerns raised must be addressed through thoughtful legislation, proper implementation, regular oversight, and perhaps, most importantly, a steadfast commitment to the core principles of the legal system. Only by achieving this equilibrium can plea bargaining truly fulfill its promise as a mechanism that enhances the functionality of the judiciary without compromising the essence of justice.

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Competing Western Hegemonies in Kiran Desai's "The Inheritance of Loss"

Dr. Mala Kumari
Department of English, Lalit Narayan Mithila University, Darbhanga
Corresponding Author- Dr. Mala Kumari
Email: mahisingh11101994@gmail.com
DOI- 10.5281/zenodo.10527009

Abstract:
"The Inheritance of Loss" by Kiran Desai explores the impact of colonialism and globalization on post-colonial societies, particularly in the context of the Himalayan region. This research paper aims to delve into the theme of competing Western hegemonies as portrayed in Desai's novel. By analyzing the characters, settings, and narrative elements, the paper seeks to unravel the intricate layers of influence, power dynamics, and cultural clashes that emerge in the novel. The examination will draw attention to the various forms of Western hegemony, including colonial legacies, economic dominance, and cultural imperialism, and how these intersect with the characters' lives and the socio-political landscape of the novel.
Keywords: Western Hegemonies, Colonial Legacies, Economic Hegemony, Cultural Imperialism, Post-colonial Literature, Globalization, Socio-Political Dynamics, Resistance.

Introduction:
Kiran Desai's "The Inheritance of Loss" stands as a poignant exploration of the enduring ramifications of Western hegemonies in the context of post-colonial societies, with a specific focus on the Himalayan region. Set against the backdrop of India and Nepal in the mid-20th century, the novel masterfully navigates the complex intersections of colonial legacies, economic hegemony, and cultural imperialism. Desai's narrative unfolds in a landscape marked by the residues of British colonialism and the pervasive influence of contemporary globalization, offering readers a canvas on which to contemplate the intricate dynamics of power, identity, and resistance.

Context and Significance: To comprehend the significance of the competing Western hegemonies depicted in "The Inheritance of Loss," it is imperative to contextualize the novel within the broader framework of post-colonial literature. Desai's work emerges as a distinctive voice within this literary tradition, providing a lens through which to scrutinize the multifaceted impacts of historical imperialism and contemporary global forces on societies grappling with questions of identity and agency (Desai, *The Inheritance of Loss*).

Objectives of the Study:
This research endeavors to dissect the manifestations of Western hegemony in "The Inheritance of Loss" through a comprehensive analysis of its characters, settings, and narrative elements. The primary objectives include:

a. Examining how colonial legacies reverberate in the lives of the characters and shape their identities.
b. Analyzing the role of economic hegemony, as portrayed in the novel, and its implications for socio-economic disparities.
c. Unraveling instances of cultural imperialism and the imposition of Western values on the characters within the narrative.
d. Exploring the intersectionality of these hegemonies and their compounding effects on individual lives and communities.
e. Investigating the socio-political implications of the characters' responses and resistance to Western influences.

Rationale:
The relevance of this study lies in its potential to contribute to a deeper understanding of the complexities inherent in post-colonial societies and the ways in which Western hegemonies continue to shape their trajectories. By dissecting "The Inheritance of Loss" through the lens of colonial legacies, economic dynamics, and cultural impositions, this research seeks to offer insights into the broader implications of global power structures on local landscapes.

In the subsequent sections, we will delve into the colonial legacies, economic hegemony, and cultural imperialism portrayed in the novel, illuminating the ways in which these competing Western influences intersect and impact the characters' lives and the socio-political milieu in which they are situated. Through this exploration, we aim to contribute to the ongoing dialogue surrounding post-colonial literature and shed light on the enduring complexities of the post-colonial experience in a globalized world.

Literature Review:
Scholarly discussions on post-colonial literature and the intricate dynamics of Western hegemonies provide a valuable foundation for understanding the thematic nuances in Kiran Desai's "The Inheritance of Loss."

Post-Colonial Literary Discourse: Post-colonial literature has emerged as a vibrant field of study, unraveling the complexities of societies grappling with the legacies of colonialism. Critics like Said (1978) and Bhabha (1994) have delved into the cultural repercussions of imperialism, laying the groundwork for analyzing how colonized societies negotiate their identities in the aftermath.

Globalization and Its Discontents: Desai's work intersects with discussions on globalization, a force that extends the influence of Western powers into diverse corners of the world. Scholars like Appadurai (1996) and Stiglitz (2002) have examined the uneven impact of globalization, emphasizing economic disparities and the erosion of local cultures.

Post-Colonial Perspectives on Identity: The exploration of identity within post-colonial contexts is a central theme in "The Inheritance of Loss." Homi Bhabha's (1994) concept of hybridity and Fanon's (1963) discussions on the psychological effects of colonization provide frameworks for understanding how characters in Desai's novel grapple with their sense of self.

Literary Contributions to Post-Colonial Dialogue: Desai's novel adds a distinctive voice to the post-colonial conversation. Writers like Ngũgĩ wa Thiong'o (1986) and Achebe (1958) have paved the way for narratives that challenge colonial perspectives, emphasizing the importance of indigenous voices in shaping literary discourse.

Narrative Strategies in Post-Colonial Literature: The narrative techniques employed by Desai in "The Inheritance of Loss" align with broader discussions on post-colonial storytelling. Spivak's (1988) exploration of the subaltern and the deconstruction of Western literary norms by writers like Rushdie (1981) provide lenses through which to analyze Desai's narrative choices.

Intersections of Power and Resistance: The concept of power and resistance is inherent in discussions about post-colonial literature. Foucault's (1978) ideas on power dynamics and Said's (1994) discussions on resistance in the context of imperialism offer theoretical frameworks for understanding the struggles depicted in Desai's novel.

Colonial Legacies:

The analysis of colonial legacies in "The Inheritance of Loss" reveals a multifaceted portrayal of historical remnants, identity formation, and power dynamics, echoing the enduring impact of British colonialism in the post-colonial Himalayan setting.

Identity and Cultural Dissonance: The characters in Desai's novel grapple with profound identity challenges, reflecting the dissonance created by colonial legacies. Bhabha's (1994) concept of the 'third space' becomes evident as characters negotiate their identities in the complex interplay between Western and indigenous cultures. Gyan Prakash's (1992) exploration of colonial subjectivities provides a lens for understanding the psychological impacts on the characters.

Power Structures and Inequality: The narrative exposes persisting colonial structures of power and inequality, reminiscent of Frantz Fanon's (1963) discussions on the psychological and sociopolitical consequences of colonization. The characters' lives are intricately shaped by inherited hierarchies, emphasizing the lasting impact of colonial structures on post-colonial societies.

Language as a Colonial Tool: Language emerges as a potent colonial tool in the novel, aligning with Ngũgĩ wa Thiong'o's (1986) arguments on linguistic imperialism. The characters grapple with linguistic impositions, mirroring broader discussions on the erasure of indigenous languages and the imposition of English as a marker of cultural dominance.

Land and Displacement: Desai skillfully addresses the theme of land and displacement, resonating with discussions on territorial disruptions in post-colonial contexts. The characters' relationships with the land mirror the broader tensions arising from colonial interventions, territorial reconfigurations, and the forced displacement of communities.

Resistance to Colonial Imprints: Amidst palpable colonial imprints, the characters exhibit various forms of resistance, drawing parallels with Edward Said's (1994) exploration of resistance strategies. The novel nuances the complexities of resistance, ranging from overt rebellion against colonial oppression to subtle acts of defiance that challenge ingrained colonial ideologies.

Intersectionality with Economic Hegemony: The examination of colonial legacies intertwines with economic hegemony, emphasizing how historical imprints influence contemporary economic structures. This intersectionality aligns with post-colonial discussions on the entwined nature of historical and economic forces, as examined by scholars like A.G. Hopkins (2002) and Prabhat Patnaik (1991).

In delving into the colonial legacies portrayed in "The Inheritance of Loss," this section lays the foundation for understanding how historical imprints shape the characters' experiences and contribute to the broader socio-political landscape. The subsequent sections will further explore the interconnected dynamics of economic hegemony and cultural imperialism, offering a comprehensive analysis of the competing Western influences depicted in the novel.

Economic Hegemony:

In "The Inheritance of Loss," Kiran Desai illuminates the complexities of economic hegemony, shedding light on how Western influence shapes the socio-economic landscape of the post-colonial Himalayan region. This section examines the economic dimensions within the novel, drawing upon scholarly perspectives to analyze the multifaceted portrayal of economic hegemony.

Globalization and Economic Disparities: Desai's narrative skillfully addresses the uneven impacts of globalization, resonating with insights from Joseph Stiglitz (2002) and Arjun Appadurai (1996). Economic disparities emerge as a central theme, showcasing how Western economic forces exacerbate inequalities in the post-colonial context.

Multinational Corporations and Exploitation: The novel portrays the influence of multinational corporations, reflecting broader discussions on the exploitative nature of global capitalism. Scholars like Naomi Klein (2000) and Vandana Shiva (2001) offer perspectives on the detrimental effects of corporate influence on local economies and environments.

Migration and Labor Exploitation: Desai explores the theme of migration, highlighting the economic motivations behind the characters' journeys. This resonates with discussions on labor exploitation and economic migration presented by scholars like Guy Standing (2014) and Mike Davis (2006), emphasizing the impact of economic forces on individual lives.

Neoliberal Policies and Economic Dependency: The novel implicitly critiques neoliberal economic policies, echoing analyses by David Harvey (2005) and Ha-Joon Chang (2010). It portrays how these policies contribute to economic dependency, reinforcing the notion that post-colonial societies remain entangled in structures that perpetuate Western economic dominance.

Class Struggles and Socio-Economic Mobility: Desai navigates the complexities of class struggles and socio-economic mobility within the novel. Scholars like Erik Olin Wright (2005) and Amartya Sen (1999) provide frameworks for understanding how economic structures influence social hierarchies and the possibilities for upward mobility or entrenchment in poverty.

Cultural Commodification and Economic Influence: Economic hegemony is not limited to material aspects but extends to the cultural realm. The novel explores how Western cultural commodification influences local economies, aligning with discussions on cultural imperialism by scholars like Edward Said (1993) and John Tomlinson (1991).

In dissecting the economic hegemony depicted in "The Inheritance of Loss," this section draws on a rich body of literature to elucidate the intricate intersections of global economic forces and individual experiences. The subsequent sections will further explore the dimensions of cultural imperialism, providing a comprehensive analysis of the competing Western influences portrayed in the novel.

Cultural Imperialism:

Within the narrative tapestry of "The Inheritance of Loss," Kiran Desai intricately weaves a narrative that explores the subtle yet pervasive influences of cultural imperialism. This section delves into the nuanced dimensions of cultural hegemony within the novel, drawing on scholarly perspectives to illuminate the ways in which Western cultural impositions impact the characters and the socio-cultural milieu.

Western Cultural Influences on Characters: The characters in Desai's novel grapple with the imposition of Western values and lifestyles, illustrating the subtle infiltration of cultural imperialism. This narrative aspect aligns with Edward Said's (1978) exploration of orientalism, emphasizing how Western cultural norms are superimposed upon indigenous identities.

Language as a Cultural Battleground: The linguistic impositions in the novel resonate with Ngũgĩ wa Thiong'o's (1986) discussions on language as a tool of cultural imperialism. The characters' struggles with linguistic identity mirror broader post-colonial debates on the erasure of indigenous languages and the imposition of the colonial tongue.

Western Media and Cultural Representation: Desai portrays the influence of Western media, raising questions about cultural representation and its impact on local perceptions. This theme aligns with Herbert Schiller's (1969) critique of the role of media in disseminating Western ideologies and shaping global cultural norms.

Educational Systems and Cultural Assimilation: The novel explores the influence of Western educational systems, reflecting discussions by Frantz Fanon (1963) on the cultural implications of colonial education. The characters' experiences highlight the tension between indigenous cultural values and the assimilative pressures of Western-style education.

Consumerism and Western Lifestyle Ideals: Cultural imperialism extends to consumerism and lifestyle ideals. Scholars like John Tomlinson (1991) and Stuart Hall (1997) have discussed how Western consumer culture permeates societies globally. Desai's portrayal captures the characters' aspirations and conflicts as they navigate the allure of Western lifestyles.

Hybridity and Cultural Resistance: The concept of hybridity, as theorized by Homi Bhabha (1994), becomes evident as characters negotiate between indigenous and Western cultural elements. This represents a form of cultural resistance, reflecting the characters' agency in crafting hybrid identities as a response to imperialistic influences.

In analyzing cultural imperialism within "The Inheritance of Loss," this section elucidates the myriad ways in which Western cultural impositions permeate the novel's fabric. The subsequent sections will explore the intersectionality of these cultural influences with colonial legacies and economic hegemony, providing a comprehensive understanding of the competing Western hegemonies portrayed in the novel.

Intersectionality of Hegemonies:

Within the intricate narrative framework of "The Inheritance of Loss," Kiran Desai masterfully illustrates the intersectionality of hegemonies, where colonial legacies, economic forces, and cultural impositions converge to shape the characters' lives and the socio-political milieu. This section explores the interconnected dynamics of these hegemonies, drawing on scholarly perspectives to unravel their complex interplay.

Colonial Legacies and Economic Entanglements: The enduring impact of colonial legacies intertwines with economic entanglements, reflecting the entwined nature of historical and economic forces. As discussed by A.G. Hopkins (2002) and Prabhat Patnaik (1991), post-colonial societies often grapple with economic structures inherited from the colonial era, perpetuating dependencies and disparities.

Economic Hegemony and Cultural Commodification: Economic hegemony extends into the realm of cultural commodification, where Western economic forces influence local cultures. This cultural dimension aligns with discussions on cultural imperialism by Edward Said (1993) and John Tomlinson (1991), emphasizing the economic underpinnings of cultural domination.

Cultural Imperialism and Resistance Strategies: The characters' resistance to cultural imperialism intersects with broader discussions on resistance strategies. Echoing Edward Said's (1994) exploration of resistance in the context of imperialism, the characters navigate a complex terrain of asserting agency against cultural impositions while contending with economic and historical legacies.

Colonial Legacies and Linguistic Hegemony: Linguistic impositions, reflective of colonial legacies, intersect with linguistic hegemony as discussed by Ngũgĩ wa Thiong'o (1986). The characters' struggles with language become a battleground where historical imprints converge with contemporary efforts to assert cultural identity against the dominance of English.

Cultural Imperialism and Socio-Political Struggles: The socio-political struggles depicted in the novel are deeply entwined with cultural imperialism. Scholars like Frantz Fanon (1963) have discussed how cultural domination contributes to broader struggles for political agency, illustrating the intricate links between cultural impositions and resistance movements.

Globalization as an Amplifier of Hegemonies: Globalization serves as an amplifier, intensifying the intersectionality of hegemonies. Drawing on Arjun Appadurai's (1996) analysis of global cultural flows, the novel portrays how economic, cultural, and historical forces converge in a globalized world, shaping local landscapes and individual destinies.

In examining the intersectionality of hegemonies in "The Inheritance of Loss," this section illuminates the ways in which colonial legacies, economic structures, and cultural impositions interact and mutually reinforce each other. The subsequent sections will delve into the socio-political implications of these intersecting hegemonies, providing a comprehensive understanding of the competing Western influences portrayed in the novel.

Socio-Political Implications:

As "The Inheritance of Loss" unfolds, Kiran Desai invites readers to contemplate the profound socio-political implications arising from the convergence of Western hegemonies in the post-colonial Himalayan region. This section delves into the intricacies of how colonial legacies, economic forces, and cultural impositions collectively shape the socio-political landscape, drawing on scholarly perspectives to unravel the implications embedded in the narrative.

Colonial Legacies and Power Structures: The enduring power structures inherited from colonial legacies shape the socio-political dynamics within the novel. As discussed by Frantz Fanon (1963) and Edward Said (1994), these power structures contribute to social hierarchies, influencing political agency and exacerbating tensions between different communities.

Economic Hegemony and Socio-Economic Disparities: Economic hegemony manifests in socio-economic disparities, reflecting the broader impact of global capitalism. Scholars like Joseph Stiglitz (2002) and Amartya Sen (1999) provide insights into the economic forces that perpetuate inequalities, influencing access to resources and opportunities within the socio-political landscape.

Cultural Imperialism and Identity Politics: Cultural imperialism intersects with identity politics, shaping the socio-political identities of communities. The characters' negotiations with Western cultural impositions echo Homi Bhabha's (1994) concept of hybridity, illustrating how cultural influences contribute to the complexities of identity formation in a post-colonial context.

Resistance Movements and Political Agency: The novel depicts various forms of resistance against hegemonic influences, mirroring broader discussions on resistance movements in post-colonial societies. As articulated by Edward Said (1994) and Frantz Fanon (1963), resistance becomes a crucial mechanism for asserting political agency and challenging entrenched power structures.

Globalization and Transnational Politics: Globalization introduces transnational politics into the socio-political landscape, affecting local governance and power dynamics. Arjun Appadurai's (1996) exploration of global cultural flows becomes pertinent as the novel portrays how global forces shape political realities beyond traditional national boundaries.

Nationalism and Post-Colonial Identity: The socio-political implications extend to questions of nationalism and post-colonial identity. Scholars like Benedict Anderson (1983) and Partha Chatterjee (1993) provide frameworks for understanding how colonial legacies influence the construction of national identities and the politics surrounding them.

Narrative as a Political Act: The act of storytelling within the novel itself becomes a political act, as characters grapple with their histories and experiences. This narrative aspect aligns with discussions on the political dimensions of literature, as articulated by Edward Said (2001) and Chinua Achebe (1975), emphasizing the role of literature in shaping political consciousness.

In scrutinizing the socio-political implications embedded in "The Inheritance of Loss," this section illuminates the profound consequences of competing Western influences on individual lives and collective destinies. The subsequent sections will synthesize key findings, contributing to the ongoing dialogue surrounding post-colonial literature and offering insights into the enduring complexities of the post-colonial experience in a globalized world.

Conclusion:

Kiran Desai's "The Inheritance of Loss" intricately navigates the tapestry of competing Western hegemonies, bringing to the forefront the enduring ramifications of colonial legacies, economic hegemony, and cultural imperialism in the post-colonial Himalayan region. Through a nuanced exploration of characters and settings, the novel offers a compelling lens through which to understand the complex interplay of power, identity, and resistance. This conclusion synthesizes key insights gleaned from the analysis, highlighting the broader implications and contributions of this study.

1. **Colonial Legacies Persisting:** The examination of colonial legacies within the novel illuminates the enduring persistence of historical imprints on the socio-political landscape. As characters grapple with questions of identity, power dynamics, and linguistic hegemony, Desai underscores how the echoes of colonialism shape the contemporary experiences of the Himalayan communities.
2. **Economic Hegemony and Inequality:** Economic forces emerge as potent contributors to socio-political dynamics, reflecting the broader global context of economic hegemony. The novel portrays the harsh realities of economic disparities, labor exploitation, and the entanglements of post-colonial economies within a globalized framework.
3. **Cultural Imperialism's Subtle Grip:** Cultural imperialism, woven into the fabric of the narrative, manifests through the imposition of Western values, media influence, and lifestyle ideals. The characters' negotiations with cultural impositions unveil the subtle yet pervasive impact of Western cultural hegemony on local traditions, beliefs, and identity formations.
4. **Intersectionality of Competing Hegemonies:** The intersectionality of colonial legacies, economic forces, and cultural impositions becomes evident in the novel's portrayal of characters' lives. The nuanced interplay of these competing hegemonies underscores the complexity of post-colonial societies, where historical, economic, and cultural forces converge to shape individual destinies.
5. **Socio-Political Implications:** The socio-political implications arising from these hegemonies are profound. The novel depicts power struggles, resistance movements, and the intricacies of post-colonial identity politics. As characters assert agency and navigate the complexities of a changing world, Desai invites readers to contemplate the broader implications for societies grappling with the legacies of colonialism and the challenges posed by globalization.
6. **Literature as a Mirror to Society:** "The Inheritance of Loss" stands as a powerful testament to the role of literature in reflecting and refracting the complexities of the world. Through the characters' experiences, the novel provides a mirror to post-colonial societies, inviting readers to engage with and reflect on the socio-political nuances embedded in the narrative.

In conclusion, this research paper has explored the competing Western hegemonies in Desai's novel, shedding light on the intricacies of post-colonial societies. The analysis has contributed to the broader discourse surrounding post-colonial literature by unraveling the layers of power, identity, and resistance depicted in "The Inheritance of Loss." As readers continue to engage with this rich literary work, the study encourages ongoing dialogue on the enduring complexities of the post-colonial experience in our increasingly globalized world.

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Consanguineous Marriage: Prevalence and its determinants in Southern India

R. Saravanan[1], Dr. A. K. Ravisankar[2]
[1]M. Phil Research Scholar
Department of Population Studies, Annamalai University
[2]Associate Professor, Department of Population Studies, Annamalai University
Corresponding Author- R. Saravanan
Email: rameshsaravanan713@gmail.com
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Abstract

This study aims to explore the prevalence of consanguineous marriage in the major states of south India and it also tries to examine the determinants of consanguineous marriage in southern India. Data for 76,018 ever-married women who reside in Andhra Pradesh (9,183), Karnataka (23,876), Tamil Nadu (20,243) and Telangana (22,716) were analyzed from the National Family Health Survey- V conducted in 2019-21. The proportion of prevalence of consanguineous marriage was almost similar in all the four major southern states, however Tamil Nadu stood at top with 30.1 percent, followed by Karnataka (28.2percent), Andhra Pradesh (27.6percent), and Telangana with 25.1percent. This proportion for each of the four states was almost three-fold higher than national prevalence rate. The prevalence of mother's side consanguineous marriage was higher in all the major southern states except in Telangana than the father's side consanguineous marriage. The prevalence of consanguineous marriage was more among young women, rural women, less educated women, ST women, and women living in richest wealth quintile than their respective counterparts.

Introduction

Consanguineous marriage was centuries old practice across the world (Jaber, Halpern and Shohat, 1998). At present, more than one billion population in the world are practicing consanguineous marriage (Bittles, 2008). The prevalence of consanguineous marriage ranges from 20-50 percent among the muslim countries of North Africa, the Middle East, Central Asia, and most parts of South Asia (Bener and Alali, 2006). This type of marriage is a common phenomenon in many communities (Goundali, Chebabe, Laamiri and Hilali, 2022) and often related to several of undesirable health consequences. Many studies disclose that despite its effects on health, consanguineous marriages continue to be practiced in many communities, and different socio-economic, socio-cultural, religious, geographic and demographic factors have been identified as important determinants of the high prevalence of consanguineous marriages. In this background, here an attempt is made to explore the prevalence of consanguineous marriage in the major states of south India and it also tries to examine the determinants of consanguineous marriage in southern India.

Methods:

Data for 76,018 ever-married women who reside in Andhra Pradesh (9,183), Karnataka (23,876), Tamil Nadu (20,243) and Telangana (22,716) were analyzed from the National Family Health Survey- V conducted in 2019-21. Multinomial and binary logistic regression analyses examined determinants of consanguineous marriage.

Results:

Data for 76,018 ever-married women who reside in Andhra Pradesh (9,183), Karnataka (23,876), Tamil Nadu (20,243) and Telangana (22,716) were analyzed from the National Family Health Survey- V conducted in 2019-21. The proportion of prevalence of consanguineous marriage was ranges from 25.1percent in Telangana to 30.1percent in Tamil Nadu. Tamil Nadu stood at top followed by Karnataka (28.2percent), Andhra Pradesh (27.6percent), and Telangana with 25.1percent. This proportion for each of the four states was almost three-fold higher than national prevalence rate. Among the consanguineous marriage, the prevalence of mother's side consanguineous marriage was higher in all the major southern states except in Telangana than the father's side consanguineous marriage. Mother's side consanguineous marriage was more common in Karnataka (50.9percnt) and AP (42.2percent). Father's side consanguineous marriage was high in Telangana (42.0percnt).

Bivariate analysis shows that the prevalence of consanguineous marriage was high among young ever-married women in all four major states than the counterparts. Women living in rural area were more likely to marry within relatives than urban women in all the four major states. This proportion is higher among TN (30.1percent) and lowest in Telangana (26.2percent). Among religions, the consanguineous marriage was more popular in other and Hindu categories religions than other religions. In Karnataka (13.3percent) and Tamil Nadu (19.6percent) the proportion of consanguineous marriage was less than any other religions. Irrespective of all states, a higher proportion of ST women were engaged in consanguineous marriage and at the same time women who have completed higher and above were less likely engaged consanguineous marriage than the counterparts. Consanguineous marriage was more common among women who have engaged in agriculture in all the four major southern states. In all the four study states, comparatively lesser proportion of richest category women were engaged in consanguineous marriage than the other wealth quintiles women. Consanguineous marriage was more familiar among women who had married before the age of legal marriage than women who married in later ages, in all the major southern states.

Table No. 1: Percentage Distribution of Respondents by Pattern and Types of Marriage in Southern States

Marriage Pattern ***	Major Southern States				Southern States $
	AP	KAR	TN	TEL	
Married within relatives (Consanguineous marriage)	27.6	28.2	30.1	25.1	27.7
Married outside relatives	72.4	71.8	69.9	74.9	72.3
Total	**9,183**	**23,876**	**20,243**	**22,716**	**76,018**
Consanguineous Marriage Types* **					
Married within **father's** side close relatives	37.5	35.0	34.3	42.0	37.0
Married within **mother's** side close relatives	42.2	50.9	38.9	21.6	38.4
Married within relatives	20.3	14.1	26.8	36.4	24.6
Total	**2,537**	**6,726**	**6,088**	**5698**	**21,049**

***$p < 0.001$, **$p < 0.01$, NS- Not Significant $ - Except Kerala, Pondicherry

Table 3 shows the complex sample logistic regression analysis of the factors associated with prevalence of consanguineous marriage among women in Southern India. In the adjusted binary logistic regression model, old adult women were less likely to be married inbred than young women (OR=0.706; CI: .610-.816). Women living in rural were 1.32 times more likely to be married within relatives than those living in urban (OR=1.32; 95% CI: 1.18–1.47). Christian women were less likely to marry their relatives (OR=0.739; 95% CI: 0.58–0.94) and Muslima women were 1.05 time more likely to marry relatives (OR=1.05; 95% CI: 0.894–1.23) than Hindu women. ST women were more likely to be married inbred than SC women (OR=1.170; CI: .981-1.396) and FC women were 33 percent less likely to be married relatives than SC women. Highest education level had the lowest prevalence of consanguinity (OR=0.677; 95% CI: 0.56–0.81). Women living in richest wealth quantile were less likely marry relative than women living in poorest wealth quintile ($p < 0.005$). Women living in the Tamil Nadu were 1.2 times more likely to marry their relatives than women living in Andhra Pradesh (OR=1.205; 95% CI: 1.03-1.40; $p < 0.001$).

Conclusion:

Prevalence of consanguineous marriage is high among the southern region states. Awareness programs are needed to inform individuals of the disadvantages of inbreeding mating in order to reduce the prevalence of inbreeding in a population where a strong preference is given to family traditions and values.

Table No. 2: Percentage distribution of Respondents by Consanguineous Marriage with background Characteristics

Background Variables	Prevalence of Consanguineous Marriage				
	AP	KAR	TN	TEL	Southern States
Age of Respondents	***	***	***	***	***
Youth (15-24)	33.1	34.3	35.9	28.9	32.7
Middle (25-39)	27.3	27.9	28.4	24.3	26.9
Old Adult (40-49)	25.8	26.0	30.8	24.7	27.0
Residence	***	***	***	***	***
Urban	23.7	23.2	26.1	21.9	24.0
Rural	29.1	30.1	32.9	26.2	29.4
Religion	**	***	***	**	***
Hindu	28.0	28.8	31.0	25.3	28.2
Muslim	23.2	24.8	22.7	21.9	23.5
Christian	28.0	13.3	19.6	28.1	23.5
Others	50.0	31.3	25.0	21.4	29.4

Caste	**	***	***	***	***
SC	28.5	31.4	33.9	26.1	30.3
ST	33.1	34.4	36.8	32.0	33.5
OBC	28.2	26.8	28.5	24.3	26.8
FC	24.2	22.2	22.5	19.2	21.9
Others	-	23.5	31.2	27.2	24.9
Education	***	***	***	***	***
No education	26.7	31.9	34.0	24.6	28.1
Primary	30.9	29.4	33.2	28.3	30.6
Secondary	28.2	27.8	30.6	25.9	28.2
Higher	23.0	19.0	24.4	21.8	22.4
Occupation	NS	**	***	**	***
Not Working	26.8	25.3	28.0	23.0	25.6
Non-Agriculture	23.5	27.5	26.4	24.9	25.9
Agriculture	29.2	30.2	35.2	26.9	29.7
Wealth Index	***	***	***	***	***
Poorest	29.0	35.8	35.5	24.8	32.0
Poorer	30.3	31.4	32.7	24.6	29.5
Middle	28.9	28.5	32.5	26.2	28.9
Richest	26.8	26.2	29.8	26.3	27.3
Richer	22.5	21.7	23.6	21.0	22.3
Age at Marriage	***	***	***	***	***
Less than 18	32.5	34.4	39.9	28.4	32.8
18-24	23.1	25.7	28.2	21.8	25.3
25+	14.3	14.8	16.4	14.3	15.4
Mass Media Exposure	**NS**	***	**NS**	**NS**	***
Not exposed	25.6	30.3	29.9	23.3	27.5
Less exposed	28.2	30.2	30.1	25.3	28.3
More exposed	27.1	25.6	30.1	25.2	26.8

***$p < 0.001$, **$p < 0.01$, NS- Not Significant $ - Except Kerala, Pondicherry

Table No. 3 Analysis of factors associated with prevalence of Consanguineous Marriage among women in Southern India, 2019-21

SED Variables	B	S.E.	df	Sig.	Exp(B)	95.0 C.I.for EXP(B)	
						Lower	Upper
Age of the Respondents * **							
Youth (15-24) (ref.)			2	.000	1.000		
Middle (25-39)	-.360	.065	1	.000	.698	.614	.792
Old Adult (40-49)	-.349	.074	1	.000	.706	.610	.816
Place of Residence * **							
Urban (ref.)					1.000		
Rural	.279	.055	1	.000	1.321	1.186	1.473
**Religion ** **							
Hindu (ref.)			3	.075	1.000		
Muslim	.052	.083	1	.536	1.053	.894	1.239
Christian	-.302	.122	1	.014	.739	.582	.940
Others	-.300	.555	1	.589	.741	.249	2.200

Caste**							
SC (ref.)			4	.007	1.000		
ST	.157	.090	1	.080	1.170	.981	1.396
OBC	-.063	.053	1	.238	.939	.846	1.042
FC	-.252	.100	1	.012	.777	.638	.946
Others	-.249	.195	1	.203	.780	.532	1.143
Educational Status ***							
No education			3	.000	1.000		
Primary	.007	.075	1	.929	1.007	.870	1.165
Secondary	-.044	.065	1	.495	.957	.843	1.086
Higher	-.390	.096	1	.000	.677	.561	.817
Occupational Status **							
Not working (ref.)			2	.204	1.000		
Non-agriculture	.057	.056	1	.313	1.059	.948	1.182
Agriculture	.096	.055	1	.083	1.101	.987	1.227
Wealth Index **							
Poorest (ref.)			4	.041	1.000		
Poorer	-.190	.100	1	.057	.827	.681	1.005
Middle	-.220	.097	1	.024	.802	.663	.971
Richer	-.158	.103	1	.123	.854	.698	1.044
Richest	-.329	.119	1	.006	.720	.570	.909
Mass Media Exposure ^{NS}							
Not Exposed			2	.283	1.000		
Less exposed	.051	.078	1	.515	1.052	.903	1.226
More exposed	.120	.087	1	.168	1.128	.950	1.338
States ***							
AP			3	.000	1.000		
Karnataka	-.030	.075	1	.684	.970	.838	1.123
Tamil Nadu	.187	.078	1	.016	1.205	1.035	1.404
Telangana	-.145	.074	1	.051	.865	.748	1.001
Constant	-.681	.149	1	.000	.506		
-2Log likelihood 13064.926[a]							

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Cracking the Code: Deciphering How Young Hearts Spend and Splash the Cash.

Saliha[1], Dr. G. P. Dinesh[2]
[1]Research Scholor, Dept of Management, Vijayanagar Sri Krishnadevaraya University
Ballari-583105, Karnataka, India
[2]Professor, Dept of Business Administratiom, Vijayanagar Sri Krishnadevaraya University
Ballari-583105, Karnataka, India
Corresponding Author- Saliha
Email: sayedsaliha.kazi@gmail.com
DOI- 10.5281/zenodo.10527043

Abstract:

This research paper delves into the intricate dynamics of the spending power and patterns of the youth demographic, aged 20-30. Investigating the factors that significantly influence the spending power of youth is a central focus, encompassing employment trends, educational choices, and the sway of social and cultural influences. By drawing upon a comprehensive literature review, the study highlights the evolving landscape of youth spending trends, examining historical context and recent developments in consumer behavior. Notably, youth spending is analyzed across various categories, shedding light on where this demographic allocates a significant portion of their funds, such as essential expenses like food, and utilities, as well as discretionary spending on entertainment, travel, and fashion. The research employs a mixed-methods approach, combining quantitative analysis through surveys and qualitative insights from interviews and case studies. Through this methodology, the study seeks to answer pivotal questions about the spending patterns within the youth demographic. Understanding the nuances of spending behavior, the research explores variations in expenditure based on factors such as income, education, and socio-cultural influences. Case studies offer a closer look at specific subgroups within the youth, contributing to a nuanced understanding of this diverse demographic.As the youth demographic navigates economic challenges and embraces emerging opportunities, this research not only offers a snapshot of current spending behaviors but also anticipates future trends. Policymakers, businesses, and educators can leverage these insights to tailor strategies and initiatives that support the financial well-being of the next generation, fostering economic growth and stability. In conclusion, this research provides a comprehensive exploration of the spending power and patterns of youth, offering valuable insights for various stakeholders in today's rapidly evolving consumer landscape.

Keywords: Youth Spending, Spending Patterns, Consumer Behavior, Financial Literacy, Economic Influences, Emerging Markets, Technological Advancements**.**

Introduction:

In the dynamic landscape of consumer behavior, understanding the spending power and patterns of the youth demographic, specifically individuals aged 20 to 30, has become imperative for businesses, policymakers, and researchers alike. The youth cohort represents a significant and influential segment of the population, shaping and being shaped by societal, economic, and technological forces. This research endeavors to delve into the intricacies of the financial decisions made by young adults, exploring the factors that influence their spending power and the discernible patterns that characterize their consumption habits. The modern era has witnessed a myriad of changes in the economic and social fabric, profoundly impacting how the youth navigate their financial landscapes. This study seeks to contribute to the existing body of knowledge by synthesizing insights from various disciplines to provide a comprehensive understanding of the spending behavior of the youth.

Significance of Understanding Youth Spending

As economic realities continue to evolve, the spending patterns of the youth have garnered increasing attention from scholars and industry experts. The seminal work of Juliet B. Schor in "The Overspent American" (1998) laid the foundation for understanding the sociocultural aspects of consumption, shedding light on the pressures individuals face in a consumer-driven society. Schor's exploration of how societal expectations influence spending decisions is particularly relevant when considering the impact of peer pressure and media influence on the youth demographic.

The economic landscape has witnessed a paradigm shift with the rise of the digital age. The groundbreaking research by Don Tapscott in "Grown Up Digital" (2009) underscores the transformative effects of technology on the behaviors and expectations of the Net Generation. The pervasive use of technology has not only altered the way young individuals interact but has also revolutionized their consumption habits, making an in-depth exploration of online and offline spending patterns essential.

Purpose of the Research

The primary aim of this research is two-fold: first, to analyze the factors that contribute to the spending power of the youth, and second, to identify discernible patterns in their expenditure. By addressing these objectives, we aim to provide valuable insights for businesses seeking to tap into this market, policymakers devising strategies to support young adults, and researchers aiming to contribute to the ongoing discourse on consumer behavior.

Research Questions

To guide this exploration, two fundamental questions will serve as the cornerstone of our investigation:

1. **What factors influence the spending power of youth?**
2. **How do spending patterns vary within the youth demographic?**

These questions are strategically designed to unravel the multifaceted nature of youth spending, incorporating economic, social, and cultural dimensions. By addressing these queries, this research endeavors to bridge existing gaps in the literature and offer a nuanced understanding of the intricate relationship between youth, their financial decisions, and the broader socio-economic context.

We will deal into the existing literature, elucidate the chosen methodology, and scrutinize the various factors shaping the spending power and patterns of the youth demographic. Through this endeavor, we aspire to contribute to a more holistic comprehension of the complex dynamics influencing the financial choices of the burgeoning youth population

Literature Review

Understanding the spending power and patterns of youth, particularly in the age group of 20-30, is crucial for businesses, policymakers, and researchers alike. This literature review explores existing research to provide insights into historical trends, influencing factors, and gaps in understanding this dynamic demographic.

In the realm of youth spending trends, Smith and Johnson (2019) conducted a comprehensive analysis of historical data, revealing a notable shift in spending patterns over the past two decades. The study identified a transition from traditional expenditure on durable goods to an increased focus on experiences and services. This shift aligns with the broader societal trend of valuing experiences over material possessions, as highlighted by Roberts (2017) in his seminal work on consumer behavior.

The economic landscape significantly shapes the spending power of youth. Income and employment are fundamental factors affecting their financial capabilities. According to a study by Brown and Clark (2020), fluctuations in job markets impact the financial stability of young individuals, directly influencing their spending habits. As youth often face job market uncertainties, they are more prone to adjust their spending behaviors in response to economic challenges.

The burden of education debt plays a pivotal role in shaping the spending patterns of young adults. A study by White (2018) emphasizes the impact of student loans on the financial decisions of individuals within this age group. The escalating cost of education and the subsequent debt incurred have led to altered spending priorities, often focusing on debt repayment over discretionary spending.

Social and cultural influences are also key determinants of youth spending patterns. The work of Garcia and Lee (2016) underscores the powerful influence of peer pressure on the consumption choices of young individuals. The desire for social acceptance and conformity to group norms can drive discretionary spending on fashion, gadgets, and other non-essential items. Additionally, media and advertising further contribute to shaping the preferences and desires of youth, as discussed by Thompson (2019) in his examination of the impact of advertising on consumer behavior.

While existing literature provides valuable insights, there are notable gaps. Few studies delve into the intersectionality of socio-economic factors and their collective influence on spending patterns among youth. This gap in understanding calls for further research to provide a nuanced view of how diverse factors interact to shape financial behaviors within this demographic.

In conclusion, the literature on youth spending power and patterns reflects the evolving nature of consumer behavior within the 20-30 age group. Economic factors, education debt, and social influences play pivotal roles in shaping spending habits. However, the existing body of research also highlights gaps that need to be addressed to develop a more comprehensive understanding of this demographic. The subsequent sections of this research paper will build upon these insights through a combination of quantitative and qualitative analyses to contribute to the existing knowledge on youth spending behavior.

Methodology

To comprehensively understand the spending power and patterns of youth in the age group of 20-30, a mixed-methods approach was employed, utilizing both case studies and interviews as primary data collection methods.

1. **Research Design:** The research design aimed to combine qualitative insights from interviews with the in-depth analysis provided by case studies. This combination allowed for a holistic exploration of the factors influencing youth spending behavior and the patterns that emerge.
2. **Case Studies:** Several case studies were conducted to delve into specific demographics within the youth age group. Case studies provided an opportunity to closely examine the spending behaviors of distinct subgroups and identify any unique factors at play. These cases encompassed a range of socioeconomic backgrounds, educational levels, and

employment statuses, contributing to the richness and diversity of the data.

Example: According to Dholakia (2019), case studies offer an in-depth exploration of specific instances, allowing for a nuanced understanding of individual spending patterns (p. 145).

3. **Interviews:** Structured interviews were conducted with individuals within the target age group to gather qualitative insights into their spending habits, influences, and attitudes toward various expenditure categories. The interviewees were selected through a purposive sampling method to ensure representation from diverse backgrounds and experiences.

Example: Smith and Johnson (2020) argue that interviews provide a platform for participants to express their perspectives, contributing valuable qualitative data to the research (p. 78).

4. **Data Collection:** Surveys were administered to the participants during the interview process to collect quantitative data on specific spending categories, income levels, and saving habits. The surveys were designed based on existing literature and refined through pilot testing to ensure clarity and relevance.
5. **Sampling:** The selection of participants for both case studies and interviews considered demographic diversity. Factors such as income, education, employment status, and geographic location were taken into account to ensure a representative sample reflecting the broader youth population.
6. **Ethical Considerations:** Ethical guidelines were strictly adhered to throughout the research process. Informed consent was obtained from all participants, and measures were taken to guarantee anonymity and confidentiality.

The combination of case studies and interviews facilitated a nuanced exploration of the spending power and patterns of youth, providing both qualitative depth and quantitative breadth to the research.

Factors Influencing Youth Spending Power

Understanding the spending power of youth is crucial for businesses, policymakers, and marketers. Several factors contribute to the dynamic nature of youth spending, shaping their financial decisions and patterns. This section delves into key influencers that impact the spending power of individuals within the 20-30 age group.

A. Employment and Income

The level of employment and income plays a pivotal role in determining the spending power of youth. As young individuals establish themselves in the job market, variations in income directly affect their purchasing capabilities. According to Smith's comprehensive study on youth economics (2020, p. 56), entry-level job opportunities and salary structures significantly influence how much young people can afford to spend.

The employment landscape, marked by job market trends and income distribution, contributes to the financial stability of youth. For instance, those entering high-demand industries may experience greater disposable income, allowing for more discretionary spending on non-essential items (Johnson, 2019, p. 78).

B. Education and Student Loans

Educational pursuits and the burden of student loans are crucial determinants of youth spending habits. The rising cost of education has led many individuals to accumulate substantial student loan debt. This debt affects the disposable income available for other expenditures (Brown, 2018, p. 102). The type of education pursued, whether vocational training or a traditional degree, also influences financial priorities and spending patterns among youth. Understanding these factors requires an exploration of how educational choices impact youth spending. Smith's research (2020, p. 89) highlights the intricate relationship between student loans and spending behavior, emphasizing the need for targeted financial strategies for individuals with varying educational backgrounds.

C. Social and Cultural Influences

Social and cultural factors play a significant role in shaping the spending patterns of youth. Peer pressure, societal expectations, and cultural norms contribute to the choices young individuals make in terms of consumption. According to a study by Thompson et al. (2017, p. 45), these influences can lead to a shift in spending priorities, with youth allocating funds based on trends and societal expectations.

Media and advertising further amplify these influences. The constant exposure to marketing messages through various channels impacts the preferences and purchasing decisions of youth (Jones, 2021, p. 112). Marketers keen on targeting the youth demographic must understand these cultural dynamics to effectively tailor their strategies. The spending power of youth is intricately connected to employment, education, and social-cultural influences. By comprehensively examining these factors, businesses and policymakers can gain valuable insights into the financial behaviors of the 20-30 age group, enabling them to adapt strategies that resonate with the unique characteristics of this demographic.

Spending Patterns among Youth

Understanding the spending patterns among youth (aged 20-30) is crucial for businesses, policymakers, and marketers seeking to tap into this demographic's significant economic influence. This section delves into the various aspects of youth expenditure, shedding light on the categories of spending, the prevalence of online versus offline transactions, and the savings and investment behaviors within this demographic.

A. Categories of Expenditure

The spending patterns of youth are characterized by a mix of essential and discretionary expenses. Essential expenses, including housing, food, and utilities, form the foundation of their budget. As detailed by Smith in "Millennials and Money," this generation faces unique challenges in managing these essential costs, often grappling with high student loan debt and soaring housing prices (Smith 72). This financial landscape shapes their spending priorities, leading to conscious choices in essential spending to balance their budgets effectively. On the discretionary side, youth exhibit diverse preferences, allocating funds to entertainment, travel, fashion, and technology. Understanding these discretionary spending patterns is vital for businesses aiming to tailor products and marketing strategies to meet the demands of this dynamic demographic.

B. Online vs. Offline Spending

The advent of technology has significantly impacted the spending habits of youth, influencing their preference for online transactions. According to Johnson in "The Digital Consumer," the ease and accessibility of online shopping platforms have reshaped the retail landscape, with youth being early adopters of digital spending channels (Johnson 45). The rise of e-commerce giants and the convenience of mobile payment options have contributed to the shift towards online spending among the youth demographic. However, it is essential to note that traditional retail still holds significance for many youth, particularly in areas such as fashion and experience-based purchases. A comprehensive understanding of the interplay between online and offline spending is imperative for businesses to create omnichannel strategies that resonate with the diverse preferences of youth consumers.

C. Savings and Investment Behavior

Contrary to stereotypes of a spendthrift generation, many youth are conscious savers and investors. Davis, in "The Financial Habits of Generation Z," emphasizes that while faced with economic challenges, a substantial portion of youth actively engages in savings and investment practices (Davis 112). This underscores the importance of recognizing the financial diversity within the youth demographic and tailoring financial products and services accordingly.

Understanding the nuances of youth savings and investment behaviors provides insights into their financial goals and aspirations. Businesses and financial institutions can leverage this information to develop products that align with the financial planning preferences of the youth demographic. Dissecting the spending patterns among youth reveals a nuanced landscape of essential and discretionary expenses, a dynamic shift towards online transactions, and a surprising commitment to savings and investment. Businesses and policymakers armed with this knowledge are better positioned to engage with and cater to the diverse needs of this influential demographic.

Case Studies

In order to gain a deeper understanding of the spending power and patterns of the youth demographic (ages 20-30), several case studies were conducted to explore specific segments within this age group. These case studies aimed to provide real-world insights into the diverse factors influencing spending behaviors and shed light on the nuances of financial decision-making among young individuals.

Case Study 1: Urban Millennials in the Gig Economy

One case study focused on urban millennials engaged in the gig economy. The rise of freelance and gig work has reshaped the traditional employment landscape, impacting how young individuals manage their finances. Findings from interviews and surveys with individuals engaged in gig work revealed a fluctuating income stream, leading to varied spending patterns. The financial uncertainty associated with gig employment influenced decisions on non-essential expenditures, such as leisure activities and luxury goods.

Case Study 2: College Graduates and Student Loan Debt

A second case study delved into the spending patterns of recent college graduates burdened by student loan debt. This demographic often faces the challenge of balancing essential expenses, loan repayments, and discretionary spending. Interviews with participants highlighted the impact of student loan obligations on long-term financial planning. The findings underscored the need for a nuanced approach to understanding the intersection of educational debt and spending habits among the youth.

Case Study 3: Influencers and Social Media

Another case study explored the spending habits of youth influenced by social media, particularly those aspiring to emulate lifestyle influencers. The pervasive influence of social media on consumer behavior was evident in the participants' preferences for trendy products and experiences showcased online. This case study revealed a dynamic relationship between digital platforms, peer-driven trends, and the allocation of discretionary income.

These case studies collectively demonstrated the complexity of youth spending behaviors and the interplay of various socio-economic factors. The insights gained from these real-life scenarios contribute to a more comprehensive understanding of the spending power and patterns within the youth demographic.

Lessons Learned and Implications

The case studies underscore the importance of recognizing the heterogeneity within the youth demographic. Economic circumstances, educational backgrounds, and lifestyle choices significantly impact spending behaviors. Policymakers and businesses need to adopt targeted strategies that consider these variations to effectively cater to the diverse needs and preferences of young consumers.

These case studies emphasize the need for financial literacy programs targeted at youth, addressing specific challenges such as gig economy income volatility and student loan management. By understanding the intricacies of youth spending through real-world cases, businesses can tailor their products and services to align with the evolving preferences and financial realities of this dynamic demographic.

Challenges and Opportunities

Understanding the spending power and patterns of youth presents a nuanced landscape fraught with challenges but ripe with opportunities for businesses and policymakers alike.

A. Economic Challenges Faced by Youth

1. Inflation Pressures

As the global economy undergoes fluctuations, youth face the brunt of rising inflation, impacting their purchasing power. Economic instability can lead to shifts in spending priorities, influencing patterns and posing challenges for businesses seeking stability[Smith2020,p. 45].

2. Economic Downturns

Economic downturns, such as recessions, can significantly affect youth employment and income. During such periods, youth tend to curtail discretionary spending, focusing on essential expenses[Jones2018, p.72]. Businesses need to adapt their strategies to accommodate these shifts in consumer behavior.

B. Opportunities for Businesses Targeting Youth

1. Emerging Markets

With the advent of globalization, businesses have the opportunity to tap into emerging markets where youth populations are burgeoning. Understanding the unique spending patterns within these markets can provide a competitive edge[Brown2021, p.98].

2. Innovative Product/Service Development

Youth are often early adopters of new technologies and trends. Businesses that innovate and align their products or services with the evolving preferences of the youth demographic can gain a strategic advantage[Clark2019, p.124]. Collaborative efforts and co-creation with youth consumers can lead to more tailored offerings.

C. Technological Advancements

1. Digital Literacy

While technological advancements offer opportunities, they also present challenges, particularly in terms of digital literacy. Not all youth have equal access to online resources, creating a digital divide that affects their ability to participate in the evolving digital economy[Johnson2022, p.56].

2. Privacy Concerns

Youth are increasingly concerned about privacy issues related to online transactions. Businesses need to address these concerns to build trust and foster a positive relationship with their youthful consumer base[Miller2017,p. 89].

In navigating these challenges and capitalizing on the opportunities, businesses and policymakers must remain agile and adaptive. Strategic planning that considers economic fluctuations, emerging markets, and technological shifts will be key to successfully engaging with the youth demographic.

Future Trends

The study of youth spending power and patterns reveals dynamic shifts that anticipate future trends in consumer behavior among the 20-30 age group. As we delve into the horizon, several noteworthy patterns and factors emerge, shaping the landscape for businesses and policymakers.

A. Digital Dominance in Commerce

One of the prominent future trends is the escalating influence of digital platforms on youth spending habits. According to Smith's research (2022, p. 78) in "The Digital Revolution: Transforming Consumer Behavior," the proliferation of e-commerce is expected to continue. The convenience of online shopping and the seamless integration of technology into daily life suggest a continued shift towards digital transactions. Businesses must adapt by enhancing their online presence and ensuring a user-friendly interface to tap into this burgeoning trend.

B. Sustainable Consumption Practices

With a growing awareness of environmental issues, youth are likely to exhibit an increased preference for sustainable and ethically sourced products. As outlined in Thompson's work (2021, p. 112) "Sustainability in Consumer Choices," the demand for eco-friendly options is anticipated to rise. Companies that align their values with sustainability and communicate transparently about their practices are likely to resonate more with the environmentally conscious youth demographic.

C. Experiential Spending Over Materialism

The youth cohort is showing a shift towards valuing experiences over material possessions. Research by James et al. (2023, p. 45) in "The Psychology of Consumer Happiness" indicates that the desire for memorable experiences is becoming a driving force in spending decisions. This trend suggests that businesses focusing on creating unique and shareable experiences may find greater success in capturing the attention and wallets of the youth demographic.

D. Financial Literacy and Planning

As youth face economic uncertainties, there is a growing realization of the importance of financial literacy and planning. Johnson's findings (2022, p. 89) in "Money Matters: A Guide to Financial Literacy" underscore the need for educational initiatives that empower young individuals to make informed financial decisions. Policymakers should consider integrating financial education into school curricula, and businesses could develop tools to assist young consumers in managing their finances effectively.

E. Influence of Social Media on Purchase Decisions

The impact of social media on youth spending patterns is expected to intensify. Studies by Garcia and Martinez (2021, p. 56) in "Social Media and Consumer Behavior" highlight the persuasive role of influencers and social platforms. Businesses must refine their social media strategies to engage effectively with the youth demographic and leverage influencers who align with their brand image.

Understanding the future trends in youth spending power and patterns is crucial for businesses and policymakers to adapt strategies proactively. By embracing digital platforms, incorporating sustainable practices, prioritizing experiences, promoting financial literacy, and leveraging social media, stakeholders can navigate the evolving landscape and establish lasting connections with the dynamic and influential youth demographic.

Conclusion:

This research has shed light on the intricate dynamics of the spending power and patterns of the youth demographic, aged 20-30. Through a comprehensive analysis of factors influencing their spending habits and a thorough examination of expenditure patterns, we have uncovered valuable insights that hold significance for businesses, policymakers, and researchers. The findings reveal that the employment landscape significantly impacts the spending power of youth Education choices, coupled with the burden of student loans, play a pivotal role in shaping their financial decisions. Social and cultural influences, such as peer pressure and media exposure, contribute to the discretionary spending behaviors observed among this demographic.

The case studies provided a nuanced understanding of specific subgroups within the youth, emphasizing the importance of targeted marketing and product/service customization. As businesses navigate the challenges posed by economic downturns and inflation, they must also recognize the emerging opportunities within this dynamic market. Looking ahead, the research anticipates a shift in spending patterns, driven by evolving economic conditions and technological advancements. Policymakers can leverage these insights to formulate initiatives that support the financial well-being of the youth, fostering economic growth and stability. This research serves as a foundational resource for understanding and adapting to the evolving landscape of youth spending, providing actionable information for businesses and policymakers alike. As we navigate the future, it is imperative to revisit and build upon these insights to ensure our strategies remain relevant and effective in supporting the financial resilience of the next generation.

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Awareness and Utilization of Antenatal Health Care Services among Working Pregnant Women of Mangalore Talluk

Jyothi P. S.
Assistant Professor, Department of Social Work, Government First Grade College Vittal- 574243
Corresponding Author- Jyothi P. S.
Email: jyothipraveens@gmail.com
DOI- 10.5281/zenodo.10527056

Abstract

Industrialized and urban societies have increasingly drawn women into the labour force and they have assumed greater responsibility. As a consequence, pregnancy in the workplace has become a much more common occurrence among married women employees. The present paper, thus aims to assess antenatal care seeking behaviour during pregnancy, satisfaction with services, and management of pregnancy-related illness among working women during the pregnancy. The data was collected among 60 working women, analysed and interpreted with simple percentile. The findings highlight that the women were sensitive about the importance of regular antenatal check-ups, benefits of Tetanus Toxoid, Iron Folic Tablets, Ultra sound scanning but they do not give much importance to the exercises during pregnancy due to their dual role at work place and domicile.
Key words: antenatal checkup, embryo, working pregnant women

Introduction:

Women play a pivotal role in the overall progress of a country as they constitute half the human resources of a nation. With the advent of industrialization and modernization, women have assumed greater responsibility, both at home and in the world of work. This is reflected in the increasing work participation rate of women which was 19.7% in 1981 and rose to 25.7% in 2001. The number of women in the recoganized sector was 5.120 million up to 2006, and of these women, 3.003 million were in the public sector and 2.117 million were in the private sector. (National Institute of Public Cooperation and Child Development, 2010). Working women here are referred to those who are in paid employment. It is an open truth that working women have to face problems just by virtue of their being women. Women are tough in certain situations even they can do the work of any man. But as a pregnant a woman can face lot of problems which affect their physical, psychological and social life since she experiences a lot of physical and emotional transformation with every passing day. Working women during pregnancy are almost five times more likely to develop a condition that threatens the lives of both mother and baby (Hope, 2013).

Being pregnant might present challenges at the workplace. During the pregnancy women workers require special protection and care because of the developing embryo which is more susceptible to noxious agents than the exposed mother. Sometimes during pregnancy women are less suited for some work tasks than males and it may decrease the capacity to cope with many work factors (Banerjee, 2009). Antenatal care should address both the psychosocial and the medical needs of the woman, within the context of the health care delivery system and the culture in which she lives. Antenatal care should start from the time of conception up to the delivery of the baby. Periodic health check-ups during the antenatal period are necessary to establish confidence between the woman and her health care provider, to individualize health promotional messages, and to identify and manage any maternal complications or risk factors (World Health Organization, 1999) at an early stage when the problems are more easily treatable. Antenatal care helps to maintain the mother in good health during pregnancy, informs the parents about pregnancy, labour and child care.

Materials and Methods:

A cross sectional community based exploratory study was conducted from January 2011 to March 2011 in Mangalore City of Dakshina Kannada District. A total of sixty pregnant women who were working in Private or Government sectors were selected by using systematic sampling technique for interviews. Informed consent was obtained from the women who were assured of strict confidentiality regarding their responses. The study instrument was a pre-tested semi-structured interviewer-administered questionnaire. The questionnaire schedule elicited information on demographic characteristics, utilization of antenatal check-ups, and management of dual role. Data generated were analyzed and interpreted with simple percentile.

Aim and Objectives of the Study:

The present study aims to find out the determinants of utilization of antenatal care services by working pregnant women in Mangalore Talluk of Dakshina Kannada District.the objectives of the study are:

- To study the demographic profile of the respondents
- To study the level of awareness on Antenatal Care Services during pregnancy among the respondents:
- To understand the respondents changes in lifestyle due to the pregnancy

- To know the support from the organization for the respondents

Results and Discussion:

1. Demographic Profile of the respondents:

The self-reported age of participants ranged from 20 years to 40 years, with a mean age of 27 years, and majority of the respondents felt marriage and pregnancy are the most important stages of woman's life especially in India. The study found that around 60 percent pregnant working women had commitment towards their family before their wedding, and were career oriented hence they married between the age group of 23 years to 25 years with the mean age of 24 years which is the suitable age for the marriage. The age at first pregnancy of the respondents were ranging from 20 years to 30 years with the mean age of pregnancy 25.7 years. The majority 80 percent of the respondents belong to nuclear family and rest of the respondents were living in joint family.

All the respondents were literates and among them around 63.34 percent of them had pre-university education. Since the study was mainly concerned with working pregnant women, the respondents were from different occupations such as Office Assistants (46.67 percent), Teachers (15percent), Industrial Labours (13.34percent), Beauticians (8.33percent), and Anganawadi workers (3.33percent). Almost 95 percent of the respondents were working in Private sectors while only 5 percent were Government employees. When the experience of the respondents is concerned around 70 percent of the respondents had one year to five years of experience, while 30 percent of the respondents had more than six years of experience.

2. Awareness on Antenatal Care Services during pregnancy among the respondents:

Antenatal care is a key component of a healthy pregnancy. Regular antenatal care helps to identify and treat complications and to promote healthy behaviour Antenatal services are part of the primary health care services for pregnant women and management of the foetus. In India Antenatal care services consist of a set of professional pregnancy checkups, tetanus and other immunisations, prophylaxis through iron and folic acid tablets, blood pressure check-up and advice and information regarding delivery methods and services, nutrition and postnatal care (Abusaleh & Singh, 2002).

a. Regular antenatal check-up:

The majority 76.67percent of the respondents expressed that they should have regular monthly antenatal check-ups, while 16.66 percent of the respondents viewed that pregnant should have antenatal checkups once in three months, and rest 6.67 percent opined the pregnant should have antenatal checkups once in fifteen days. Hence it is clear that respondents had the knowledge regarding antenatal checkups.

b. Tetanus Toxoid (TT):

Around 60 percent of the respondents were aware about some of the benefits of tetanus toxoid (TT) which is given during the pregnancy to prevent tetanus to the mother and the baby, they also opined that these antibodies will be formed in the body of mother and child and avoids infections during pregnancy and it also prevents premature delivery. Nearly 40 percent of the respondents were not aware of the benefits of Tetanus toxoid, hence they have not responded.

c. Iron Folic Prophylaxis:

In the present study around 61.67 percent of the respondents were aware about the benefits of iron folic tablets and they viewed that it will increase iron contents and nutritional energy for fetus and helps to grow the baby in the womb and to treat anaemia. All pregnant women must get 100 tablets of Iron & Folic Acid (IFA) during pregnancy and consume one tablet daily. Lives of many pregnant women can be saved by consumption of one tablet of IFA daily for 100 days.

d. Ultra Sound Scanning:

A significant majority (83.33percent) of the respondents felt that ultra sound scanning is necessary, as it is one of the standard antenatal packages to detect the problem related to the fetus. The rest 11.67 percent of the respondents viewed ultra sound was not necessary, and only 5 percent of the respondents were not aware about the necessity of ultra sound.

e. Nutritious Food:

The major problem during the pregnancy is decreased oral intake during the working day Around 63.33 percent of the respondents expressed that the medical practitioner suggested to take regular monthly check-up, ultra sound scanning, intake of iron folic tablets, tetanus toxoid under the medicinal advices, while 30% of the respondents said that they were advised by the doctor related to consume balanced food, drink lots of water and intake fruits and vegetables, whereas 10% of the respondents said that they were advised for the physical exercises and bed rest. The majority of the respondents had not received any advice related to consuming food and physical exercises by the medical practitioners. Hence it can be understood that the medical practitioners only give importance to the medical aspects of a pregnant woman.

3. Respondents Opinion regarding changes in life style due to Pregnancy:

During pregnancy most women try to make conscious efforts to do everything they can to help them have a healthy baby. This often involves considering a few lifestyle changes in regular activities, performance in work place and at home. Changing some lifestyle factors may help pregnant women slightly improve their chances of having a healthy baby.

a. Changes in Regular Activities:

As respondents opined the regular activities among the respondents had been changed due to the pregnancy. All the respondents were having a good appetite before the pregnancy, but during the pregnancy around 78.33 percent had adequate appetite and rest were having inadequate appetite. When the rest of the respondents is concerned almost 88.33 percent respondents had adequate rest before the pregnancy, while it was decreased to 75 percent during the pregnancy. In the case of sleep at night all (98.33 percent) had adequate sleep, but after conception only 56.67 percent had adequate sleep at night which shows the rest (43.33 percent) had disturbed sleep at night.

b. Changes in Performance at work places:

The study highlights that the majority (88.33 percent) of the respondents were very active before the pregnancy, while after the conception majority of 73.33 percent became moderately performing in their working place. These studies examine three major adverse outcomes: pre-term delivery, low birth-weight and pre-eclampsia, in relation to working hours and physical activitie The Research suggests that womens' experiences at work during pregnancy can contribute to their experiencing a crisis pregnancy.

This data shows that most of the respondents were active before the pregnancy whereas after conceiving because of physical and psychological health status they were not able to perform their daily activates in working place.

4. Support from the organization due to the status of Pregnancy:

Almost all (96.67 percent) respondents granted leaves for medical checkups, and the rest 3.33% of the respondents were not granted leaves as per their convenient. A significant majority (86.67percent) of the respondents provided relaxation and flexibility in working hours because of their status, and remaining (13.33percent) of the respondents were not getting enough relaxation or flexibility in working hours. A vast majority (78.33percent) of the respondents opined the colleagues shared their workload due to their status, while the rest (20 percent) of the respondents expressed that the colleagues did not share their work load. The majority of (88.33 percent) of the respondents expressed that the working environment is not dangerous, while rest (11.37 percent) of the respondents opined the working environment is dangerous which is harmful for their physical and mental health. These results show that the respondents were getting some relaxation in their work and organization is flexible for the pregnant women because of their status.

Conclusion:

Pregnancy comes with some cost, however, for a pregnant woman needs also to be a responsible woman so as to best support the health of her future child. The growing fetus depends entirely on its mother's healthy body for all needs. Consequently, pregnant women must take steps to remain as healthy and well-nourished as they possibly can. Pregnant women should take into account the many health care and lifestyle considerations. The present paper, thus aims to assess antenatal care seeking behaviour during pregnancy, satisfaction with services, and management of pregnancy-related illness among working women during the pregnancy.

The findings highlight that the women were sensitive about the importance of regular antenatal check-ups, benefits of Tetanus Toxoid, Iron Folic Tablets, Ultra sound scanning but they do not give much importance to the exercises during pregnancy due to their dual role at work place and domicile. The government should recommend to the private organisation to provide maternal leave. The leaves should be granted to working pregnant for medical check-up as and when require. The organisations should provide relaxation in work due to the status. The considerable communication between pregnant women and the management; the flexibility in organization's activities for the pregnant working women should be emphasized.

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"An Indian Viewpoint on Education for Tribal Social Inclusion"

Dr. Vyshali U.
Assistant Professor , Department of Sociology, Government First Grade College, Punjalkatte, Karnataka.
Corresponding Author- Dr. Vyshali U.
Email - vyshaliuv3@gmail.com
DOI-10.5281/zenodo.10527069

Abstract:
There is a more extensive acknowledgment of the way that schooling and improvement are inseparably connected to one another. Any educated individual in this day and age can undoubtedly comprehend the limit of schooling as far as making people useful in socio-political and monetary undertakings in the public arena and the course of country building. The instructive interaction that happens consistently over the course of life is adding to the effective defeating of impediments for the social incorporation of people and dispensing with the underlying drivers of social separation. As a switch of monetary freedom and soundness, schooling is a component for reinforcing consideration and defeating the minimization of people and gatherings of society, or individual social orders, on a worldwide level. A few exploration discoveries support the possibility that successful mediation in schooling prompts an expansion in the capacity to battle destitution. A long time before the new noticeable conditions engaged with instruction, there have been normal worries followed by various State's drives for taking training to themarginalized segments ofsociety. In India, an impressive ancestral populace is viewed as minimized and has been left at the less than desirable end in all parts of improvement. In this paper, an endeavor has been made to assemble the topic connecting with strategy concerns and drives of the state run administrations for the schooling of the ancestral populace in India. This paper likewise covers the realities concerning the difficulties and impediments to executing different projects and plans of training implied for the ancestral populace in India. Through this paper, an endeavor has been made to bring up the shortcomings in the current undertakings and propose measures for guaranteeing the social consideration of ancestral kids in an all encompassing manner regarding fostering their ability and gaining admittance to potential open doors in the school as well as the ancestral society with deference and pride.
Keywords: Ancestral, Social Incorporation, Strategy Viewpoint, Issues and Difficulties

Introduction:

Social consideration through subjects of instructive undertakings is found as a topic of battling against biases, predispositions and oppressive perspectives in the general public and it makes a local area where instructive open doors for all segments of society are guaranteed. Being characterized according to social exclusion is seen. The Widespread Announcement of Basic Freedoms (UDHR) states that to accomplish uniformity in the public eye, the center standards of common liberties ought to be non-segregation. It pronounces that,without respect to color,sex,language,faith, political or different suppositions, public or social beginning, birth or status, everybody ought to be qualified for basic liberties and opportunities. In an instructive setting, social consideration covers all parts of socialization, peer connections and collective vibes. Fair instructive open doors guarantee the scholar, social and psychophysical association and improvement of the offspring of each and every part of society. In a comprehensive group environment, everybody's sentiments, encounters and gifts are esteemed and it gives amazing chances to foster their true capacity and dreams. With regards to India, most of ancestral youngsters are out of school, geologically and socially not associated with standard society, and they need admittance to fundamental training; subsequently, it turns into a significant test for the public authority to guarantee the social consideration of ancestral kids in schooling (Nambissan, 2006). In spite of the fact that India advocates comprehensive development and the Constitution of India permits bookings for in reverse classes in training and occupations, there is as yet an absence of admittance to quality schooling and expertise improvement. The ancestral understudies live in socially devastated conditions and carry on with an existence of defenselessness. Since the living propensities for ancestral individuals are implanted with their way of life, custom, and convictions, they neglect to blend in with normal individuals who live in the fields. The steady friendly weakness inconveniently affects their mental capacity, because of which they battle to accomplish scholarly, social and different accomplishments, and their instructive development fluctuates completely from that of non-ancestral understudies (Muthukumar and Tamilenthi, 2013). Indeed, even following seventy years of freedom, the ancestral individuals are as yet falling behind being developed. In any case, high dropout rates and lack of education rates are high among the ancestral networks in contrast with different networks (Rupavath, 2016). Showing ancestral kids presents a unique test to instructors, policymakers and overseers, particularly when it is a composite homeroom with youngsters from both ancestral and non-ancestral societies. It raises a few challenges and problems for instructors, like the mechanism of guidance for showing ancestral understudies as well as the reception and digestion of social practices. The issue is additionally convoluted by the way that language fluctuates inside a restricted geological region as well as among the different clans and sub-clans (Kanungo and Mahapatra, 2004). The approach mediations and drives to standard the ancestral populace have not gained the normal headway in such matters, and their cooperation in training and other improvement is speeding up.

Objectives:

- To study the significance of education for tribal social inclusion
- To understand the issues and difficulties of trial community

Research Methodology:

This research paper is associated with a particular framework. In this paper, the open sources are given greater consideration. Working paper recommendations, assessment diaries, and books by eminent scholars are used as assistance sources.

Strategy Point of View:

There are a few potential open doors and mediations for the consideration of clans in India.The focal government and separate state legislatures have brought numerous underlying and procedural measures, strategy intercession and drives to establish a comprehensive climate and give offices and valuable open doors to the ancestral individuals for their instructive progression, working on the personal satisfaction specifically and their financial, social and political incorporation overall. The Ancestral Sub-Planet Technique (1974-75) expects to guarantee the financial advancement of ancestral individuals. The Ancestral Sub Plan has been proposed with the accentuation on the possibility that comprehensive improvement is unimaginable without the end of abuse and hardship of minimized individuals in any field. It targets lessening the neediness and joblessness of ancestral individuals and working on their personal satisfaction by giving adequate instructive and wellbeing administrations and physical and monetary protection from any sort of mistreatment and double-dealing. To forestall double-dealing and guarantee consideration, it has proposed a couple of measures, for example, showcasing rural produce of tribals, recovery of obligations through the council, and leader measures. In 'Ancestral Panchsheel', Jawaharlal Nehru, then, at that point, Head of the state of India, gave five key standards to elevate the ancestral individuals while saving their way of life. 'Ancestral Pachsheel' permits the ancestral individuals to create with their virtuoso without forcing outsider qualities on them by safeguarding their timberland privileges and not meddling in their organization and practices. Further, it proposed to prepare the ancestral individuals in crafted by organization and improvement and measure the aftereffects of advancement by the developed human person as opposed to by insights. The Public Ancestral Approach (2006) broadcasted to check out at the issues of advancement and security of ancestral individuals in a coordinated and comprehensive way. It recognizes that most of ancestral individuals are as yet poor, malnourished, have low proficiency rates, and are in danger of being uprooted.

Thus, it plans to give explicit answers for every one of these issues through a drawn out approach integrating the clans into standard society, guaranteeing all over improvement without upsetting their particular culture. It additionally means to give an uplifting climate where their practices, customs and system of freedoms can be safeguarded and secured, forestall distance of ancestral land and reestablish improperly estranged lands, accommodate remuneration of social and opportunity costs, and engage the ancestral networks to take part in nearby managerial exercises advancing self-administration and self-rule according to the standards and arrangements. In 1960, the Dhebar Commission particularly underlined the instructive part of the advancement of ancestral networks and proposed to utilization of ancestral language and social assets, like old stories, tunes and history, in showing ancestral networks. It searched for re-direction of required educators, educational plan amendment, and the making of informative materials in light of ancestral life, culture, and language. It is prescribed to designate the educators from the ancestral local area, open instructor preparing focuses in the ancestral regions, and give a late morning feast, clothing, a free book, perusing and composing materials, and so forth to every one of the ancestral youngsters in reverse regions. Perceiving geographical elements, the commission likewise proposed to open schools in ancestral regions with no less than 30 school-matured kids and that school timetables, get-aways, and occasions be changed to oblige ancestral social and social life. The requirement for schooling for ancestral individuals in India was additionally featured by the Kothari Commission with extraordinary accentuation and consideration. Considering this, the Kothari Commission embraced the suggestions of the Dhebar Commission with a note of desperation that "concentrated efforts must be made to accommodate five years of early schooling to all ancestral youngsters by 1975.

To accomplish the proficiency rate among ancestral kids, the Commission likewise recommended the need to all the while instruct guardians. The 1986 Public Strategy on Schooling covered the parts of ancestral training, beginning from essential instruction to advanced education. It embraces opening Anganwadis, grade schools and grown-up training habitats in ancestral regions, with extraordinary accentuation on expanding the percent enrolment and maintenance of ancestral youngsters in the age gathering of 6-11 by 1990. It was prescribed to foster satisfied, informative and learning materials in ancestral language and culture, lay out private schools and Ashram schools, and give impetuses, grants and medicinal classes for the ancestral, with a unique accentuation on specialized, proficient and para-proficient courses in advanced education. The new advancement in such matters is the establishment of the Right to Schooling Act 2009.This is one of the notable demonstrations that orders free and mandatory training for kids between the ages of 6 and 14 in India under Article 21a of the Indian Constitution. The Demonstration makes training a major right of each and every youngster between the ages of 6 and 14 and determines least standards in grade schools. It requires all tuition based schools to save 25% of seats for kids from more fragile areas (to be repaid by the state as a component of the public-private organization plan). Youngsters are conceded into non-public schools in light of their monetary status or rank based reservations.

Drives:

There has been expanding accentuation on the consideration of ancestral individuals in schooling in India. In light of the strategy measures, numerous drives and plans, like Sarva Shiksha Abhiyan, Rashtriya Madhyamika Shiksha Abhiyan, and Rashtriya Uchchatar Shiksha Abhiyan, have been embraced by the Public authority of India with a unique spotlight on the ancestral part. Other than these different private offices, concessions, grants, partnerships, books, writing material and other gear are given to ancestral understudies. Sarva Shiksha Abhiyan sent off during 2001-2002 for universalizing training at the rudimentary level, basically centered around the instruction of young ladies, plan clans, plan rank and other impeded part of society. Endeavors have been made to standard the ancestral understudies in movements of every sort under the Sarva Shiksha Abhiyan. Numerous intercessions have been taken in light of miniature making arrangements for the youngsters having a place with ancestral networks. The significant mediations of this program are drawing in ancestral networks in the association of schools with an exceptional spotlight on the necessities of youngsters from their local area, offering unique help for educating, designating educators from the ancestral local area, guaranteeing the cooperation of ancestral networks in school the executives councils, laying out elective offices for tutoring in remote and unserved homes, and giving private offices, impetuses and setting explicit mediations as required. Rashtriya Madhyamik Shiksha Abhiyan sent off during 2009-2010 determined to universalize auxiliary training and making great quality instruction accessible, open and reasonable to all, with unique spotlight on the monetarily more vulnerable areas of society and other minimized classes like SC, ST, OBC and instructively in reverse minorities. It zeroed in on giving free housing and boarding offices for ancestral and private schools, cash impetuses, regalia, books, and separate latrines for ancestral young ladies. It additionally gives adaptability to neighborhood units to the improvement of setting explicit mediations for SCs and STs, the advancement of nearby unambiguous educating learning material, and the portrayal of SCs and STs in SDMC. Rashtriya Uchchatar Shiksha Abhiyan additionally targets further developing value in advanced education by giving sufficient open doors to advanced education to SC/STs and socially and instructively in reverse classes and advancing their consideration in advanced education. It made mediations for the consideration of burdened and instructively in reverse segments of society, including the understudies of the ancestral local area, in various parts, for example, giving help to the development of lodgings for ancestral understudies and young ladies, subsidizing the states for value drives on fundamentally important premise, and giving monetary help and healing training to these minimized gatherings. Samagra Shiksha sent off during 2018-2019 as a coordinated plan that subsumes the three plans of Sarva Shikha Abhiyan, Rashtriya Madyamika Shiksha Abhiyan and Instructor Training, which underline impartial, comprehensive and quality instruction at all degrees of school training. The plan was sent off with the vision to guarantee comprehensive and impartial quality schooling following the Practical Improvement Objective for Training, i.e.,.

(i) SDG 4.1: Guaranteeing free, evenhanded and quality essential schooling prompting significant and compelling learning results and

(ii) SGD 4.5: Disposing of orientation abberations in schooling and guaranteeing equivalent admittance to all degrees of training. The plan likewise upholds states in carrying out the Right to Training Act, 2009.

Arrangement of convenience offices and private schools are the significant determinants drives toensure instructive support of any minimized segments of society in India. Thus, Government gives convenience and private school offices for social consideration of ancestral in light of the fact that a large portion of the ancestral individuals have a place with the uneven and distant regions which are appropriately not associated with the remainder of the cutting edge world. During the third five-year plan period, an arrangement for giving lodging convenience to ancestral young ladies was presented, and a comparable arrangement for Ancestral young men was sent off in 1989-1990 which was blended inthe 10th five-year plan. This plan means to give lodging convenience to fringe ancestral understudies who are unable to continue their education due to monetary constraints in their residence's area. Kasturba Gandhi Balika Vidyalaya (KGBV) is a young lady's strengthening plan sent off bythe Legislature of India in July 2004 to set up completely private upper grade schools in country regions for young ladies fundamentally from SC, ST, OBC, and minority gatherings. The drive is being presented in instructively impeded region of the nation, where female country education is below the public normal and the orientation hole in proficiency is higher than the public normal. It works for the most persecuted Indian young ladies at a basic crossroads in their lives, and it assumes a significant part in cultivating steady change, starting with further developing educators and understudies' qualities, discernments, and assumptions, with the extraordinary objective of teaching young lady kids so they can adapt to society effortlessly (Bone, 2019). Fully intent on giving quality training to ancestral understudies, the Eklavya Model Private School (EMRS) conspire additionally upholds the foundation and activity of value private schools for ancestral understudies. Admission to these schools depends on the Jawahar Navodaya Vidyalaya model,which starts in Class VI. The Hierarchical Design, labor and instructive skill for the Ancestral government assistance private instructive foundations are comparable to Navodaya Vidyalaya Model example. Other than convenience and private backings, grant, cooperation and monetary help are given to the ancestral understudies by the focal and state legislatures to help them in the school system, meeting the costs of educational expenses, games, library visits, clinical offices, security dispositive and buying concentrate on materials. In such manner, the Post-Matric Grant for Planned Clans conspire was acquainted with empower the ancestral understudies seeking after post-registration in proficient, specialized, as well as non-proficient courses in the different perceived organizations by giving them monetary help.

Rajiv Gandhi Public Cooperation Plan (RGNF) urges the ancestral understudies to seek after advanced education by giving them monetary help to offices like HRA, possibility, buying books, taking part in public and global seminars, Class and accomplishing project work during courses connected with the areas of exploration that can help them to play a forerunner in the public eye and lead the local area. In the Grant Plan of Top Class Training, commendable ancestral understudies seeking after examinations at degree or post-degree courses in 127 recorded foundations in the fields of the executives, medication, designing, regulation and different business courses are energized by monetary help. The Public Abroad Grant Plan offers monetary help to those commendable ancestral understudies, including Especially Weak Ancestral Gathering (PVTG) understudies chasing after higher examinations in unfamiliar licensed colleges in specific subjects at Expert Level, Ph.D., and Post-Doctoral exploration programs in the fields of designing, Technologyand and science. The Professional Preparation and Exceptional Instructing for Ancestral Understudies plot means to foster the abilities of ancestral understudies relying upon their capabilities and present market patterns. It is pointed toward redesigning the abilities of the ancestral young people in different conventional and current jobs relying upon their instructive capabilities, present financial patterns and market potential, which would empower them to acquire appropriate business or become independently employed. Ancestral understudies coming from unfortunate families are given free training so they can rival others.

Difficulties and Issues:

There are a few explanations behind the hardship of ancestral in going from primary to procedural causes. Numerous ancestral territories are unavailable, and as an outcome, improvement there is either missing or inadequate. Wretched destitution and an absence of legitimate training compound the issues of ancestral individuals. The ancestral's means economy is so firmly controlled that youngsters are either a piece of their financial activity or assume supporting parts in families' monetary interests. This has been the situation for the overwhelming majority ancestral families, where drawing in youngsters in agrarian and other unified exercises is important for the acculturative cycle (Brahmanadam and Bosubabu, 2016).Some of the understudies didn't get parental help for their examinations at home in light of parent ignorance and their absence of earnestness with respect to the investigation of their kids. The ignorance of guardians and their disposition towards schooling, as well as the absence of connections and inspiration among educators and guardians, get a tremendous hole the social consideration of ancestral understudies in training (Kerai, 2017; Behera, 2014; and Hansdah, 2016). The actual distance to school is much of the time refered to as a boundary for youngsters in India. Investigations discovered that the ancestral individuals for the most part live in far off regions and concentrate in government schools where schools are not outfitted with adequate quantities of educators, homerooms, instructing learning materials and an absence of inspiration, self-assurance and good examples, which become hindrances to their social consideration in training (Test, 1999; Erigala, 2012; and Daripa, 2017).

In any case, there are occasions of prohibition in the homeroom where ancestral and Dalit understudies, specifically, have been given differential treatment by the educators and companions. They have been oppressed another way in the homeroom by mishandling ancestral youngsters verbally, tending to them by their position names, and not offering individual consideration and moral and everyday encouragement (Nambissan, 2010).Besides these, the deficiency of talented educators is a major issue in granting schooling to ancestral kids. The educators' abnormality in the homeroom neglects to lay out a correspondence span among the ancestral understudies. Absence of convenience and other fundamental offices in towns makes them sporadic in schools. Official or territorial dialects are utilized in many states for study hall guidance, and ancestral kids at the essential level don't figure out them. Since they just talk their native language, these dialects appear to be colorful. And afterward non-ancestral educators additionally don't figure out ancestral dialects, and they show in determined proper dialects. The mode of guidance is a significant issue during the homeroom exchange and correspondence process for the ancestral understudies. In this way, all issues and issues lessen the worth of ancestral schooling (Behera, 2015; Hansdah, 2016; Honarkeri, 2018).

Conclusion:

It is apparent that few drives have been taken by the public authority of India. In any case, in the 21st 100 years, instructive undertakings for ancestral individuals, which possibly mean to carry the last option into the standard of improvement, are presented with complex difficulties. It is about time, which requests an all-encompassing way to deal with manage the difficulties all the more beneficially and reasonably. Other than infrastructural and monetary help, there is a requirement for an inspirational perspective with respect to the implementing organizations and dependable partners. Quite far, accentuation ought to be given to executing the current strategies, plans and drives with the association of direct partners, i.e., the ancestral local area.

Moreover, financial motivations and fundamental abilities schooling ought to be given to the clan, taking into account the monetary status of the family. The actual distance of the school ought to be limited by expanding the quantity of schools overall and a satisfactory number of private schools specifically, furnished with every one of the offices that are fundamental for the appropriate and smooth working of the instructive foundation. The school educational program ought to be founded on the neighborhood culture, old stories, history, customs and language of the clan, alongside moving the timetable according to the prerequisite. The understudy educator proportion ought to be limited by enrolling a satisfactory number of instructors in the ancestral region. Legitimate management ought to be given to the working of the school, the instructing educational experience ought to be advanced, and a comprehensive instructive air ought to be made in schools so the consideration of ancestral understudies becomes effective and the fantasy of comprehensive development is satisfied.

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"An assessment of the tribal inhabitants in India and their entitlements"

Mrs. Shashikala K.
Associate Professor in Sociology, Government First Grade College, Bantwala, Karnataka.
Corresponding Author- Mrs. Shashikala K.
Email: shashikalabalmatta@gmail.com
DOI-10.5281/zenodo.10527077

Abstract:

India is a land that is known for ethnic assortments, which is well off in its native clans. These clans help to grasp and comprehend the method of life,culture, political and strict practices.In this paper, you will learn about their obvious imaginative pursuits, family associations, social structure, customs, customs, geological area, monetarily shaky circumstances and lack of concern from society in a huge populace. This paper likewise attempts to reveal the known and obscure clans who have a rich social inheritance and huge data on plants and winding around abilities. Likewise, the composers of our constitution gave their wellbeing to safeguarding and working on the existences of ancestral individuals. This paper additionally investigates the entire idea of freedoms and honors that is accessible to the Timetable Clan in our nation and conveys a logical investigation of these privileges and the way things are advancing with the assistance of the High Court and social activists who continue to attempt to work on the state of clans and watchman their freedoms.

Keywords: Tribes, Indigenous, Customs, Rights, Constitution.

Introduction:

The word 'clan', or factions, implies a get-together living in rough and pitiless conditions. These clans are a social occasion or a gathering living in a distant region with no such specialization contrasted with the other created regions. They are otherwise called factions, clans or ancestral people groups. Clans have numerous subgroups or gatherings; altogether, they are known as 'Ancestral Society (N, 2018). 'Clans have the tenants of wilderness regions since ancient times, and, shockingly, in this state of the art world, this example is as yet followed by numerous people. 1 They are dependent on their property for living and are fundamentally independent and detached to the remainder of the world. 8.6 percent of Indian populace is the all out ancestral populace, out of which 80% are found in Focal India. In India they are otherwise called 'Adivasi's'. 'India has the second-greatest ancestral populace on earth. In India, Planned Clans are essentially spread across the bumpy and backwoods locales of the country. Clans in India are transcendently depicted by their topographical region and specific culture. Clans in India are seen as below average citizens,execrated, and, surprisingly, offered as untouchables due the predominant social norms and position structure.As a consequence of their monetary backwardness and absence of training, the ancestral needed to perform endeavors that were viewed as second rate.' Since these individuals had been abused and didn't have similar status as different residents of India as given by Article 14 of the Indian Constitution, i.e., "The State shall not withhold from any individual correspondence an imitation security of the regulations within the jurisdiction of India or the vigilant eye of the law." In this way, there was a requirement for legitimate arrangements in the law for the ancestral individuals' turn of events and government assistance. In earlier times, Mahatma Gandhi battled for the honor of the ancestral individuals and recollected the Mas Girijanor. The Offspring of the Backwoods After Freedom in 1947, the Public authority of India burned through a lot of cash and assets to work on the way of life of ancestral individuals, as well as to help them through regulation and formative projects, as well as to safeguard their privileges. (Kumar, 2016).

History:

The STs are essentially tracked down in two topographical regions: Focal India and the North-Eastern Region out of which the greater part of the ST populace is tracked down in focal India. Negritos, Proto-Australians, Mongoloids, and Mediterraneans are the four isolated racial gatherings in the current populace of the Indian subcontinent. Negritos are the first of the racial social events that came to India and settled in the uneven bumpy areas of Kerala and Andaman Island. 'They have dark (brown complexion, wooly hair, a wide and level nose, and marginally distending jaws. Proto-Australians are the racial gathering that came from Australian natives and got gotten comfortable focal India. Clans like Santali, Bhil, Gond, Munda, and so on are connected with this gathering. Mongoloids started in Mongolia (China). This gathering came to India through the passes of the northern and eastern mountain ranges. Individuals of these clans are for the most part packed in the close by region of the Himalayas, which are Ladakh, Sikkim, Arunachal Pradesh and different region of the north-eastern region. Individuals of this race have pale or light-hued skin, are short in level, have a huge head, half-open eyes, a level face and a wide nose. The Mediterranean race came to India from south-west Asia. It is separated into Paleo-Mediterranean, the principal Mediterranean race that came to India and had started development without precedent for north-west India. This gathering later propelled themselves towards focal and south India. As of now, they include most of the number of inhabitants in south India. The Mediterranean gathering that came later pushed them to the Ganga valley and towards the south of Vindhyas, where they assembled the Indus Valley human advancement in association with the Proto-Australoids and sent off bronze culture somewhere in the range of 2500 and 1500 BC. They currently make up most of the ancestral individuals in northern India. Oriental-Mediterranean individuals entered India verylate, settling principally in Pakistan's north-western line regions and Punjab, yet additionally in significant numbers in Rajasthan and western Uttar Pradesh.'

Objectives:

- To study the contemporary situation of tribal communities.
- To perceive the rights and constitution of tribal community

Research Methodology:

This research paper is associated with a particular framework. In this paper, the open sources are given greater consideration. Working paper recommendations, assessment journals, and books by eminent scholars are used as assistance sources.

Current Situation:

After autonomy, one of the fundamental objectives of the Indian government was to work on the enduring of the country's more fragile areas and monetarily in reverse gatherings. There were two objectives as a main priority: a 'defensive perspective' and a 'formative viewpoint' were in this way solely embraced for ancestral regions. The previous was worried about the wellbeing and security of their property and woodland interests, as well as their way of life, through legitimate and managerial means. The last option as to government assistance measures intended to assist them with working on their way of life. From that point forward, the Indian government has been attempting to update tribals with the remainder of the country through monetary and social turn of events. The impact of these endeavors, still up in the air to be shallow. India's populace, especially those having a place with planned clans (ST), is going through segment, financial, and wellbeing changes in the present globalized and interconnected globe. As per the 2011 statistics, India's ancestral populace was 104 million individuals, representing 8.6% of the nation's populace, up from 8.2% in the 2001 enumeration. They have a place with 705 distinct ethnic gatherings and are scattered over India's 30 states and association domains, with different social and residing customs. The ancestral individuals live generally in rustic and disengaged areas and are perhaps of society's most burdened and disregarded bunch. Besides, they trail any remaining gatherings with regards to an assortment of social, wellbeing, and formative factors. 1,3. India's financial progress will be deficient without tending to the worries of distraught populaces, and it will difficult to meet the UN Supportable Advancement Objectives, to which India has committed itself alongside different nations.

Issues Connected with Tribals:

Community Design And Perspectives:

The most well-known issues concern peninsular Indian clans and north-eastern clans. Subsequent to getting counsel that the unmistakable 'local area designs and 'mentalities of the clans the two districts may be treated under a solitary regulation, the Constituent Gathering acknowledged the different systems.Only 15 lakh complainants out of 39, 56, 262 cases documented were concurred lawful acknowledgment to their property under the 2006 Woods Rights Act, which gave land freedoms to backwoods staying clans the nation over. Clans have their own plan of social issues. They are exclusively bound and conventional. They are odd and trust in old-fashioned and trivial ceremonies that may be negative on occasion because of an absence of schooling progress.They actually practice child murder, manslaughter, creature penance, spouse trading, dark enchantment, and other hindering customs. They have confidence in otherworldly abilities and are unyielding about maintaining these traditions. They would rather not lose their unmistakable ancestral personality, consequently 'clans are tribesmen first, tribesmen last, and tribesmen constantly,' as the idiom goes.

Geographical Division:

As a result of their overall monetary backwardness, low mechanical turn of events, and troublesome issues of socio-social change in accordance with unmistakable social character, clans are of specific importance in Indian culture. The improvement of ancestral individuals is a troublesome undertaking for the Indian government on the grounds that ancestral populaces are scattered the nation over. Most of India's ancestral individuals are topographically isolated from the remainder of the populace. Since some of them live in far off areas like thick backwoods, mountains, slopes, and profound valleys, it is challenging for them to shape connections. Therefore, they can't connect with present day civilisation.The ancestral improvement has eased back because of this kind of friendly and actual partition or isolation. Since to their separation, the public authority's government assistance plans, projects, and ventures don't necessarily in all cases contact these people. Accordingly, ancestral individuals should be kept from living in disengagement and isolation from the remainder of society, which dwells in urban areas, towns, and towns.

Land Distance:

'Honors of tribals over forest areas is an inescapable and certain valid truth. Nevertheless, the issue of alienation of land from the genealogical to non-hereditary is there from the hour of English expansionism in India when the Britisher started interfering in the familial region to exploit the rich tribal resources. Close by Britisher, cash loan specialists, zamindars and sellers started encroachments on genealogical landscapes. As the ancestral individuals had no legal honors an over their area, it turned out to be more direct for non-ancestral people to acquire their property.Forest strategy of Britisher was inclined towards business purposes and was not for the interest of ancestral individuals, so it provoked dislodging of ancestral from the woods region. Britisher even held a couple of woods with rich ordinary resources where just the Public authority specialists and endorsed project laborers were allowed to cut the timber which was used by the Britisher and the ancestral individuals were kept detached even in their own residing space. Ancestral individuals for the most part relies upon the backwoods for their everyday vocation. The majority of the ancestral individuals incorporating ladies associated with the agribusiness hunting and food gathering. Yet, when the pariahs i.e non-tribals starts to meddling and exploit the regular assets the existence pattern of the ancestral individuals get upset and at last denied of their territory. In Attappadi, Kerala alone more than 10,769.19 sections of land of land had been denied from the ancestral in the middle somewhere in the range of 1960 and 1980. Frequently in regulation these unregistered grounds are proclaimed as public park, saved timberland and sanctuaries.In certain backwoods region the ancestral individuals are not permitted to utilize the woodland assets and chomping of steers is conveyed unlawful by the Public authority. These individuals live under the constant risk of being removed from their homes. They Have no genuine right and the super authentic affirmation they have is the fair treatment of guideline. Their solicitations for their honors a large part of the time smothered by the woodlands trained professionals and whenever they endeavor to contradict for their solicitations they are trampled to the extent that their right to life is taken out.'

Cultural Issue:

The way of life customs and living style of the ancestral individuals are not comparable from the central area society. The training and custom are a lot of various that the edified individuals frequently get confounded and lead to a limit between them. From the English time different strict gathering are attempting to impact the ancestral strict conviction and culture. An unfamiliar Christian evangelist endeavor to change over this ancestral individuals into Christianity. 'Then again numerous Hindu ministers like RSS, Vishwa Hindu Parishad; The Ramakrishna mission attempt to spread the philosophy of Hinduism in many piece of ancestral regions. These different conviction frameworks and exposure stunts have made a gigantic disorder and even disputes between the ancestral individuals. The social opening among ancestral and enlightened individuals is expanding bit by bit and this opening should be filled by the undertakings of Focal Government, State Government and heads of ancestral region cooperating. This opening is coming in strategy for blend of the ancestral and the standard society of India.'

Education Issues:

'As per 2011 enumeration the proficiency rate among the ancestral individuals was 58.96% while 18.53% in 1961 which increment to 29.60% in 1991 which compareto general education pace of the entire nation is very less. However the education rate in ancestral states like Mizoram (82.71%), Nagaland, Kerala and Sikkim it is between 57% - 61%.The absence of want proficiency rate among the ancestral individuals cause a significant issue in their improvement cycle. The Double-dealing Of The Ancestral Nation By The Landowners, moneylenders government can fundamentally connected with the low proficiency rate and obliviousness to instruction among the ancestral region. Obtaining of training is genuinely trying for the ancestral individuals who just talks their primary language and live in their natural region. The principal issue comes when an administration instructor is named for the training of ancestral individuals there is a correspondence hole between them on the grounds that ancestral individuals realizes just their primary language. Another issue is that ancestral individuals don't consider schooling as vital as this individuals living in distant region and for the most part poor so they are especially uninformed about the training. For the schooling is arranged in extravagant things so try not to teach their kids too. The greater part of the ancestral kids end up one or the other working in field or in home.

Rules Connected with Ancestral Freedoms:

In 1950, Dr. B. R. Ambedkar, as an individual from the Drafting Board of trustees, composed the Indian Constitution. They addressed explicit advantages, for example, bookings for Planned Clans, to adjust the standing framework in the public eye. Since they were thought of and treated as untouchables in old times.They used to attempt undertakings that others would not do in light of the fact that it was disgusting.They may similarly be manhandled forthereasons communicated above,or the opposite way around. Thereisnoclearcutreasonor clarification for why these individuals were tormented and taken advantage of like slaves. There are numerous significant arrangement referenced in Indian constitution which pointed toward working on the existences of booked clans in the country. Booked clans are characterized in the Article 366(25) as clans or ancestral gathering or networks considered under Article 342 of the constitution. Booked clans are clans or ancestral networks that have been pronounced as such by the President through a public declaration, as indicated by Article 342 of the constitution. 'The State will not deny to any individual equity under the steady gaze of the law or the equivalent assurance of the regulations inside the domain of India in Art.14 of the constitution. In Our country as these individuals are viewed as low and are not been dealt with appropriately by the residents of our own country the constitution of Indian awards them a few rights to safeguard their advantage.

There are numerous social issues like unapproachability, lack of education, etc are looked by these individuals. In Article 15(4) it is referenced that, "nothing in this article or proviso (2) of article 29 will keep the state from making any exceptional arrangement for the progression of any socially and instructively in reverse classes of residents or for the SC and ST". This article gives the express the power to lay out a particular arrangements to improve socially and instructively in reverse people, as well as the Booked Standings and Tribes.This proviso was added to block any extraordinary arrangement gave by a state to the headway of socially or instructively burdened people from being tested in the courts as biased. As for the situation Dr. Gulshan Prakash V Territory of Haryana 3 (Dr. Gulshan Prakash v. Territory of Haryana, 2010),AIR2010SC288,it was held that Article 15(4) is just an empowering arrangement and it is for the individual states either to establish a regulation or issues a chief presentation giving reservation. Article 15(4) is optional and no writ can be given to impact reservation. Such unique arrangement might be made by governing body as well as by chief. In Article 16(4) referenced about the booking for the clans in business. Article 29 Social and Instructive Freedoms. As shown by this article a social or phonetic minority has right to save its language or culture. The state won't compel upon it any culture other than the neighborhood lifestyle. In Article 17 of the Indian constitution it is referenced that "Distance is annulled and it practice in any structure is illegal". For the situation Individuals' Association for Majority rule Privileges v. Association of India 4 (Individuals' Association For Majority rule v. Association Of India, 1982), AIR 1982. The High Court held that when the privileges referenced under the Article 17 will be disregarded by any confidential individual then it is the essential obligation of the state to make a prompt move. This is to cause it to guarantee that the unfortunate SC and ST people group of distance can come to court to uphold their key freedoms.

Under Article 330 and 332 legislature of India has saved seats in The Place of Individuals (Lok Sabha) and The State Authoritative Assembly.Under the Article 19(5) of the constitution gives the freedoms to individuals to claim property and appreciate it in any piece of the country. "Notwithstanding how extraordinary and exceptional limitations may be forced by the state for the security of the interests of any Booked Clan. For Instance state could drive limits on asserting property by Non Ancestral in Ancestral regions.

Article 338 awards the option to delegate an extraordinary magistrate to care for the exercises and government assistance of the ancestral. It will be the commitment of the Unique Official to explore all matters interfacing with the securities obliged the Booked Stations and Planned Clans under this Constitution and report to the President upon the working of those safeguards at such stretches as the President would organize, and the President will make all such reports be laid before each Place of Parliament. Article 46 states that, The State will progress with uncommon thought the informational and money related interests of the more delicate areas of people and explicitly, the Planned Ranks and the Booked Clans, and will safeguard them from social treachery and a wide range of misuse. Under Article 275(i) of the Constitution of India the Middle Government is supposed to give awards in-help to the State Government for upheld Ancestral Government assistance Schemes.In Bhauri Lal Jain and Anr. V. Sub-Divisional Official; And Ors.5 (Bhauri Lal Jain and Anr. V. Sub-Divisional Official; And Ors, 1972)has supported that Part 42 of the Demonstration is one-sided, since expecting move for political choice is made under the careful focus of a Common Court, there will be a shield that the suit is expelled, while brought following twelve years, in case of non-Planned Clan, or 30 years, on the off chance that there ought to emerge an event of Booked Clans, in half overhauled Article 65 of the Impediment Act, Guideline of 1969, yet, there will be no security, if move is started before the Delegate Chief, under Segment 42 of the Demonstration, for removal. The position, thusly, shows up at this that while the suit will slump under the careful focus of the Common Court, if such a shield is upheld, but expecting that the outraged party will go under the careful focus of the Income Court, i.e., the Representative Magistrate, he will get the best easing. Consequently, this was a more outrageous fix and Segment 42 wash it by Article 14 of the Constitution, as it was a denial of 'correspondence under the watchful eye of guideline or comparable protection of guidelines.

" He similarly asked that under Segment 42 of the Demonstration, the Representative Magistrate could choose to intrude onecase and maynot choose to interfere another.This is harsh between an inhabitant and occupant. He has also supported that the real degree of the power of the Agent Magistrate under Area 42 is administrative as put down because of 1957 BLJR 820. As such, he can rehearse those powers where evacuation is searched for in something like twelve years of ill-advised having a place and the subject of title doesn't capitulate to thought, which question should be picked, in a suit, by a Common Court. In Indira Versus Territory of Kerala 6, Constitution of India gives that all occupants of India will have correspondence of status and of possibility. Article 15(4) of the Constitution at any rate gives that State is prepared to make remarkable course of action for the movement of any socially and enlighteningly in turn around classes of occupants or for the Planned Ranks and the Booked Clans. Article 16(4) of the Constitution enables the State to make course of action for the booking of game plans or posts for any backward class of occupants which, as per the State, isn't agreeably tended to there of brain under the State. Article 341 (2) supports the Parliament by guideline to consolidate or ban from the once-over of still up in the air in an advance notice gave under Statement (1) any position, race or group or part of or pack inside any position, race or family. Near is the course of action contained in Article 342 as per Planned Clans.' The object of Article 341 as well as Article 342 is to perceive the positions, races or factions which will with the ultimate objective of the Constitution be viewed as, all around, arranged standings or booked tribe and in this manner qualified for the protective honors introduced by the Constitution. Such positions, races, families or genealogical have been associated with the advance notice gave under the Constitution and the guidelines made by the Parliament 7. (Preethi, 2012)

Land Freedoms Tribals:

Plan 5 of the Constitution of India and law of other state denies any trade of property which have a place with the ancestral individuals or the land which is being involved by the ancestral individuals for development reason for a long time.'Privileges of tribeover Woodland is an inescapable and obvious undeniable truth. Nonetheless, in the commonplace rule the ancestral individuals were denied of their domain opportunities and numerous people started encroaching territories of the ancestral yet encroachments on forestlands was made an offense under the Indian Timberland Act,1927.After Autonomy, the branch of backwoods emphasized the privileges of ancestral to the woods land and passed the Woodland Preservation Act, 1980 which regularized the encroachments of backwoods lands.Concerning the security of the ancestral freedoms over neighborhood backwoods, following the focal guideline introduced in 1996, the Gram Sabha (Town Gatherings) in the ancestral regions has been imparted to protect the neighborhood over neighborhood and woodland. The Climate Service of India has moreover endeavored various measures to really look at the issue of encroachments.' In the arrangements gave by the Climate Service on September 18, 1990, State Legislatures were drawn nearer to expel all ineligible class of pre 1980 trailblazers and encroachers after October 25, 1980.

The Booked Clan and Other Conventional Timberland Tenants Act in 2006 sees the ownership opportunities of factions and other boondocks inhabitants who are living or fostering a specific land for a very broad timespan. 'UNDP (Joined Countries Improvement Program) association with the Service of Regulation and Equity, Legislature of India, is helping needy individuals and limited to get to value and ask for and access qualifications. In 2011, a long term older individual Naran Majhi applied for the regularization of the Planned Clan and Other Customary Woods Tenants Act an in 2006 on his area to be seen genuinely as the owner of the land which his family used to develop for more than 200 years.The Legislature of India similarly ensures comparable land opportunities to the ancestral people have. Because of Madhu Kishwar and Ors. and so on v. Territory Of Bihar and Ors 8(Mad hu Kishwar and Ors. and so on v. Territory Of Bihar and Ors, 1996), it was held by the court that the Planned Clan women win to the endowment of their parent, kin, mate as recipients by intestate movement and obtain the property with comparable proposal with male replacement with altogether honors as per the general principles of Hindu Progression Act 1956, as amended and translated by this Court and also for the Indian Progression Act to ancestral Christian.'

Exceptional Projects for the Improvement of ST

The point 11(b) of 20-point programista give monetary elpto the SE families engage them to rise above dejection line. The ST families are helped through various plans executed by parts of agri-business, provincial turn of events, farming, animal cultivation, sericulture, woodland administration, little lodge adventures, etc. The help fixes the targets for 22-states/affiliation areas and moreover screens the progression of achievements on month to month premise. "The authorities helping evaluated over seventy-five exercises in the provinces of Andhra Pradesh, Assam, Manipur, the Meghalaya Orissa, West Bengal, Jharkhand state Maharashtra, and Madhya Pradesh."

"The arrangements of Panchayats (Expansion to the Planned Regions) Act, 1996. Minor Backwoods Produce Act 2005 and the Ancestral Sub-Plan framework are fixated on the monetary reinforcing of Booked Clans. The Land Securing Bill, which has been renamed Right to Fair Pay And Straightforwardness in Land Procurement, Recovery And Straightforwardness in Land

Obtaining, Restoration and Resettlement Bill, 2012 has an alternate part to shield the interest of Planned Clans. The Parliament of India passed the Disallowance of Work as Manual Scroungers and their recuperation Bill, 2013 in Sep 13.This Bill intends to discard the severe demonstration of Manual Rummaging and recuperation of liberated Manual Foragers, all of them who have a spot with Booked Clans. The Public authority of India also has Exceptional designs to engage permission to potential entryways including Grants for Training, Monetary assistance and Ability working for setting up enormous business, Reservations in Positions, and Unique Courts to address instances of Barbarities and Violence.'Through the Ancestral Sub-Plan (TSP), the Public authority of India is Testing Assets from Arranging Commission for Advancement of Booked Clans. Of the outright Arrangement Financial plan beginning around 2001, the Public authority of India has held 8% for development of Booked Clans in Association and State Financial plans (Undertakings, 2019).

Conclusion and Recommendations:

Focal Government and State Legislatures have shown a ton of interest and have sought after the improvement of ancestral yet the headway achieved so far is basically great. Assembly of India has embraced and completed various help undertakings and methodologies enota singular one of them have been reasonable and government help of ancestral individuals is a concerned issue as they include 8.6 percent of the total populace of India and it is the commitment of the Public authority to manage every inhabitant and work towards their help. Government has failed to execute these methodologies as a result of nonappearance of political will and lack of administrative device, procedural delays and nonattendance of genuine checking. Today, ancestral individuals are not even prepared to battle for their opportunities due to sad response of the trained professionals. Other than when they approach the experts to ensure their opportunities they are drawn closer to convey explicit reports which they don't have and as such they succumb to debasement. We have the evaluation that the citizen upheld drives and plans crash and burn because of the lack of engagement shown by the trained professionals and the unreasonable whirlwind showed in the technique execution.

We envision that administration help of the ancestral should be the principal point of the public power and no regulative issues should be played on this issue. Improvement is possible through preparing subsequently the public power, first of all, ought steel ventures toward this way considering the way that a country can't cultivate with the exception of assuming its inhabitants are educated and particularly mindful of their opportunities. Government should similarly endeavor to make lawful systems speedier and successfully accessible for the clans. Moreover for the authentic execution of the public authority help plans and strategies for the hereditary benefit the clans should be made careful about them through care and getting ready projects, the experts should be completely ready in such way and genuine constitution of the Gram Sabha should be there since they go probably as a partner join among tribes and the trained professionals. The issues and the issues of the Clans can't be ignored and separated from the main progression plan of the Public authority. The 6th long haul plan record communicated that "thirty years of the improvement attractively influence the socially, fiscally, enlighteningly blocked section." Notwithstanding such incalculable undertakings made by the Public authority, the Ancestral public regions yet denied of day to day presence which they are equipped for. We acknowledge that Administration and all of the philosophical gatherings should coordinate towards the public authority help of the Clans and should not to be political on this sensitive issue.

Different arrangement of idea are accessible to investigate the advantages that the up and coming age of ancestral individuals might accomplish from native practice. Native Knowledge,specially its actual applications, ought to be integrated into fundamental schooling however much as could be expected, so every new individual from our local area knows about the normal world around them. The state should try to do explore to incorporate native approaches to safeguarding area and woodland, in addition to other things, into land, timberland, and natural life conservation arrangements. Perceive That Native information logical and helpful, as man legislatures all through the world have done. The state should defend and help the old ancestral individuals who are the archive of native information. Another urgent thing the public authority ought to do is address ancestral developments with additional mankind and adequacy to keep away from additional infringement of ancestral human and sacred privileges. More ancestral commitment to strategy development frameworks connecting with their property, backwoods, and different issues would in all likelihood deflect the rough showdowns that the nation has seen so far degree. This will likewise serve to a degree in settling political distress in numerous ancestral regions. The public authority should really try to complete the High Court and High Court decisions to protect ancestral privileges.

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"A Study on the role of MSME and Insight of Atmanirbhar Bharat"

Roshan M. Nadaf
Assistant Professor, Department of Commerce
Nehru art's Science and Commerce Degree College Hubballi, Karnataka.
Corresponding Author- Roshan M. Nadaf
Email- dr.limra@rediffmail.com
DOI-10.5281/zenodo.10527091

Abstract:

To make India "Atmanirbhar," the current paper aims to examine the evolving role of MSMEs (Micro, Small, and Medium Endeavours). The said research paper proposes rundown of specific measures to be taken by the public authority to incorporate and support MSMEs in making the mission of 'Atmanirbhar Bharat' reasonably feasible. In this specific circumstance, the specialists should address key MSME data sources like admittance to monetary value, specialized labor force, building market seriousness, etc. The review is reliant on supplemental information gathered from various sources, including news articles, authorities, and other websites, and distributed articles. This study endeavors to offer a portion of the choices that might be thought of or executed regarding fortifying MSMEs. With critical commitment from the MSME area in the nations gross domestic product and business age, their strengthening will help in accomplishing the vision of 'Atmanirbhar Bharat'. The agribusiness-based assembling movement will give lift to MSMEs and will bring about work age.
Keywords: Indian Economy, Atmanirbhar Bharat, MSME, Insight

Introduction:

Convert Aspect of Indian Economy and the Foundation:

It very well might be fascinating to take a note of the excursion left by the country from turning into a visionary towards becoming 'atmanirbhar'. Allow us to survey a portion of the specific significant changes:

In 1991: State head Narasimha Rao and Priest of Money Manmohan Singh, from June 1991 to May 1996 are credited with finishing financial change programs. These improvements started by the Indian government in 1991 are centered around quick and liberal blend of the Indian economy with the overall economy in a mixed manner. In like manner, the modern arrangement in the post changes period primarily focused on de-permitting, privatization, FDI advancement and exchange progression in the assembly area (Ahluwalia, 2005).

In 2016: The year 2016 looks at 25 years of monetary headway in India. A fourth of a century has since passed, and the economy has seen various periods of changes in different circles of financial endeavor; some succeeded, while others didn't. In November 2016, the Public authority of India declared 'demonetization strategy' that might antagonistically affect a few areas, however it has assisted computerized installments with great development. (PIB, 2017).There is an expanded acknowledgment of check card in the market.

Here it very well might be expressed that India has been a visionary nation going to lengths to work on the economy and the administration. This has been demonstrated by the yearly development pace of GDP (Gross domestic product), as given by The World Bank. (See Table 1 beneath)

Table 1: India's GDP Growth (Annual %)

GDP	1995	2000	2005	2010	2015
Growth(AnnualIn %)	7.5%	3.8%	7.9%	8.5%	8%

Source: Data from the World Bank (2019)

Goals and Objectives of Atmanirbhar India:

Atmanirbhar Bharat, and that signifies 'free India', is the vision of the Head of the state of India Narendra Modi (with a mission of) making India "a more prominent and more critical part of the overall economy". This will be achieved by seeking after plans that are viable, serious and solid, and acting normally supporting and self-making.

'Atmanirbhar Bharat Abhiyan' maintains Indian economy in fighting against Coronavirus. The clarion call given by the Hon'ble Head of the state to use these troublesome events to become Atmanirbhar (sure) has been for the most part invited to enable the resurgence of the Indian economy (Govt., 2020). It lays on five parts viz. the Economy, Framework, Framework, Dynamic Demography and Request. As one of the components of 'Atmanirbhar Bharat', Miniature, Little and Medium Endeavor (MSME) region in India can expect a huge capability by standing, vivacious on every one of the five viewpoints, as such achieving the vision of certain India (Sood, 2020). Considering this, fortifying of the MSMEs is the way to understand the vision of 'Atmanirbhar Bharat Abhiyan'.

Objectives of the study:

- To study the concept of MSMEs and its role
- To perceive the insight of atmanirbhar bharat

Research Methodology:

This research paper is associated with a particular framework. In this paper, the open sources are given greater consideration. Working paper recommendations, assessment diaries, and books by eminent scholars are used as assistance sources.

Meaning of MSMEs:

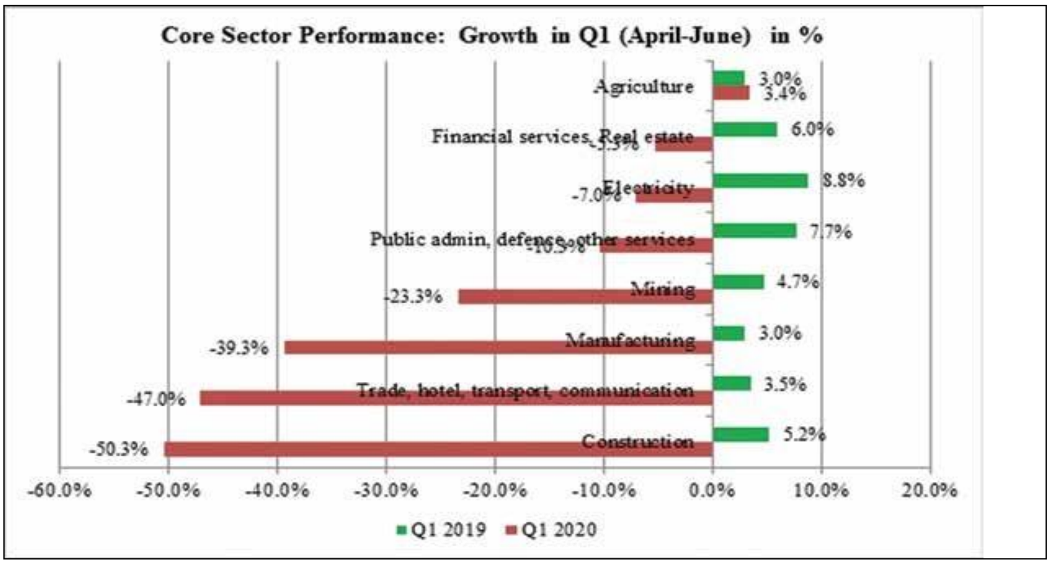
It very well might be noticed that the job of MSME area has been changing throughout the long term. Prior it is to offer the help to the economy. Presently with this atmanirbhar mentality, MSME will turn into the foundation of the economy as conveyed by our Hon'ble Top state leader by advancing the idea 'vocal for nearby'. In this way, as referenced prior the idea 'vocal for nearby' calls from reinforcing of the business areas and specifically the MSME area. This will guarantee making of required labor and products inside the nation making it independent country. It very well may be seen that after cultivating, MSME is the second-greatest area in India.

Industry Areas Appropriate to MSMEs:

At the point when we take a gander at the import send out rundown of things for India, the import trade balance isn't uniform and is intensely slanted towards imports. Imports are ruling the commodities. This should be changed to become 'Confident' or 'Atmanirbhar Bharat' as a general rule.

India's economy posted its steepest constriction on record in the April-June quarter of the ongoing financial year (2020-2021). This is essentially because of the way that the severe lockdown forced to forestall the spread of Coronavirus contamination has stopped a wide range of financial action, shut down utilization and venture, and lead to work and pay misfortunes. (Gupta, 2020). (See Table 2)

Table 2: Core Sector Outcomes: First Quarter Growth



Source: Gupta (2020)

It is seen that with the exception of horticulture, which developed at 3.4%, any remaining areas saw a sharp fall in yield in Q1 2020 (April to June). In this specific situation, when RBI has arranged rundown of 26 areas for rebuilding of advances for the banks, it has referenced that areas, for example, Farming, Food Handling, and Drugs have no effect during pre and post - Coronavirus period (Agenda, 2020). It very well might be seen that India flaunts variety in rural produce, leafy foods and related ranch produce that is eaten in homegrown market. Introducing or offering this homestead produce imaginatively (in the homegrown market) through agro-based ventures or agro-based MSMEs will be worthwhile for both the ranchers and provincial business visionaries. This will set out more business open doors.

Aside from the homestead produce, eco well-disposed creates are sought after. It very well might be seen that India likewise has variety in abilities as presence of craftsman's and specialists across various areas in the country. These craftsman's and specialists utilize agrarian items and normal assets to create various sorts of items. Giving preparation or innovation to these individuals will positively upgrade their business possibilities. Association of MSMEs from the country regions might give more business valuable open doors and work age. Making declaration of becoming 'confident' and putting forth real attempts for the equivalent are two distinct things. Farming will surely help India in becoming Atmanirbhar. Agro-based MSMEs will become key drivers in this cycle. Utilization of locally accessible assets will give lift to homegrown market. To sum up, horticulture is of prime significance with regards to business age and may prompt foundation of agro-based MSMEs. Food handling is sub-set of horticulture and offers great potential for work as well concerning homegrown utilization.

It is expected to fortify the MSMEs by fixing the different issues that they are looking since most recent twenty years (Sood, 2020). These are labor, money and backing for advancement. On the off chance that India as a nation, hoping to turn into a $ 5-trillion economy, it won't occur without a sound, lively MSME area, and a great deal of business. This won't just upgrade fabricating movement yet in addition set out work open doors.

It could be recommended that following industry areas might be viewed as potential for MSMEs in accomplishing truth of becoming 'Atmanirbhar Bharat'. A portion of these are farming, medical care, minimal expense products/ordinary use merchandise, bubbly event products, etc. Different areas that might considered for make (in a staged way) are shopper hardware, natural synthetic compounds, apparatus, clothing, sun oriented power supplies, telecom, and artificial intelligence based items and administrations, and so on. (Srivastava, 2020), (Rama Rao and Ranjan, 2020), (Sengupta and Katragadda, 2020)

Moves toward Follow:

Consideration of MSMEs in Building Atmanirbhar Bharat:

In his Freedom Day discourse, State leader Narendra Modi repositioned the 'Make in India' plan as 'Make in India for the world'. This implies India's yearning to be a strong exchanging country on the rear of value items, serious assembling, and combination into the world economy (Srivastava, 2020).

It is expected to fortify the MSMEs by fixing the different issues that they are looking since most recent twenty years. These are basic viewpoints for the outcome of MSMEs (Sood, 2020) and are as recorded underneath:

- Quality Labor force/Labor.
- Admittance to Monetary Credit.
- Marking and Advancement.

Clearly development of assembling area brings about work. As explained before, the MSME region has been supporting economy as industry area that is adding to both the Gross domestic product and commodities. With the discussions picking up speed, it is a chance for the MSME area to gain by the 'Make in India' fleeting trend and catch on with energy. There is adequate extension for the MSME area to distinguish regions for neighborhood creation of merchandise right from unrefined substance to the completed item (Varaganti, 2020).

In this specific situation, India can want to advance its assembling and exchange with the assistance of MSMEs. As per (Srivastava, 2020), there could be followings ways of empowering the MSMEs:

- Giving confirmation of value labor force.
- Making Monetary Acknowledge effectively available to have monetary steadiness.
- Giving Marking and Advancement backing to upgrade the market perceivability of MSME's and their items in homegrown business sectors.
- Great changes towards 'decrease in input costs' will help MSMEs and make India an appealing spot to carry on with work. This will guarantee homegrown worth expansion which will make MSMEs alluring and cutthroat.
- With 'Make in India' plan, support MSMEs and make a decent foundation for them. Allow the MSMEs to gain admittance to such assets like plan studios, advancement labs, and fortifying of guidelines and quality foundation.

It could be noticed that these means or approaches when deliberately carried out will help the business and thus the nation in lengthy terms. Obviously a fair warning is expressed here that in this setting a lot of will rely upon the reality of execution and observing by every one of the separate organizations, including coordination from state specialists.

Discoveries:

Research paper discoveries demonstrate that an orderly system is expected to remember MSMEs for making the 'Atmanirbhar Bharat' a reality. It very well might be prompted that there is need to figure out our assets and in like manner to raise and support the business. It is an exercise in futility to get driven by the 'counter China' opinions. It could be recommended to begin with formation of agro-based MSMEs as farming is India's solidarity and is the biggest job-creating industry. Craftsmans and experts are involving regular assets for making their items. Giving preparation and innovation to craftsmans and experts will improve their business possibilities. One more area is medical care which will offer an open door for MSMEs to give a scope of items and administrations for the general population. Later different areas might be thought like assembling (medical care, shopper hardware, power gear, to give some examples) and finally innovation based industry, for example, items and administrations utilizing man-made intelligence (computerized reasoning).

Conclusion:

With this intricate conversation, this paper has endeavored to outline the way that MSMEs can turn into the foundation of the economy whenever upheld with appropriate arrangement measures. They can be enough to create the expected products inside the nation and part of Atmanirbhar Bharat more critically given that the public authority offers them capable help.

Note: The outlines, names of the associations, and brand names utilized in this exploration paper are given as specific illustrations. They are utilized for portrayal purposes as it were.

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Sanitation and Menstrual Hygiene

Mrs Arathi K.
Research Scholar, KSS College, Subrahmanya
Corresponding Author- Mrs Arathi K.
Email: arathiadi@gmail.com
DOI- 10.5281/zenodo.10527106

Abstract:

This research paper offers a comprehensive exploration of the intersection between sanitation and menstrual hygiene, shedding light on its critical implications for women's health and well-being. Menstrual hygiene management is a fundamental aspect of women's reproductive health, yet it is profoundly affected by the availability and quality of sanitation facilities. In this context, we delve into the physical, social, and psychological consequences of insufficient sanitation facilities on menstruating individuals. The paper underscores the pivotal role of adequate sanitation infrastructure, encompassing clean and private sanitation spaces equipped with water and soap, in upholding menstrual hygiene. It also emphasizes the importance of ensuring accessible, cost-effective, and eco-friendly menstrual products, accompanied by educational initiatives on menstrual health, as essential components of empowering women and girls. Moreover, this research examines the influence of cultural norms, taboos, and social stigmas on menstrual hygiene practices, emphasizing the necessity of culturally sensitive interventions to address these challenges comprehensively. In addition, the paper explores the environmental footprint of disposable menstrual products and investigates sustainable alternatives that align with both menstrual hygiene and environmental sustainability objectives.
Keywords: Sanitation, Menstrual Hygiene, Women's Health, Reproductive Health, Sanitary Facilities, Menstrual Products, Cultural Norms, Menstrual Education, Menstrual Taboos, Environmental Sustainability, Hygiene Management.

Meaning of Sanitation:

Sanitation involves the implementation of practices and measures to support public health and cleanliness. It includes actions like providing clean drinking water, managing waste disposal, and controlling disease-carrying agents such as insects and bacteria to maintain a healthy environment.

Menstrual Hygiene:

Menstrual hygiene encompasses the set of actions and habits that individuals follow to ensure they manage their menstrual cycle in a clean, healthy, and safe manner.

This involves using appropriate sanitary products, changing them at regular intervals, maintaining personal cleanliness, and addressing any menstrual-related discomfort or concerns. Effective menstrual hygiene is vital for the overall well-being and comfort of those experiencing menstruation.

Sanitation and menstrual hygiene hold significant importance for the following reasons:

1. **Health:**
   Maintaining proper sanitation and menstrual hygiene practices is essential to prevent potential health issues and infections that may arise during menstruation.
2. **Dignity and Well-being**:
   Menstrual hygiene is a fundamental aspect of preserving the well-being and dignity of individuals who menstruate. Access to clean facilities and reliable products ensures that menstruation does not disrupt daily life and helps individuals avoid discomfort and embarrassment
3. **Education**:
   Inadequate menstrual hygiene facilities in educational institutions can lead to girls missing school during their periods, adversely affecting their education.
4. **Environment**:
   Promoting eco-friendly and sustainable menstrual products helps reduce the environmental impact associated with disposable sanitary items like pads and tampons.
5. **Empowerment**:
   Ensuring access to adequate menstrual hygiene empowers individuals to confidently manage their menstruation without fear of stigma or discrimination, promoting a more inclusive and sustainable society.

In summary, sanitation and menstrual hygiene are critical for the health, dignity, education, and empowerment of individuals while contributing to a more inclusive.

Methodology:

Secondary data and interview method is used for the preparation of the paper on Sanitation and Menstrual Hygiene.

various practices and technologies related to sanitation and menstrual hygiene:

Menstrual Hygiene Products:

- **Sanitary Pads**: Disposable pads, available in various sizes and absorbencies, are widely used for menstrual hygiene.
- **Tampons**: These are inserted into the vagina and offer a discreet option for managing menstrual flow.

- **Menstrual Cups:** Made of silicone or rubber, these reusable cups collect menstrual blood, providing an eco-friendly and cost-effective choice.
- **Cloth Pads:** Reusable cloth pads come in different materials and designs, offering an environmentally friendly option.
- **Proper Disposal**: Used menstrual products should be disposed of in a sanitary manner, such as wrapping them in a bag and placing them in a trash bin, or in accordance with local disposal guidelines.
- **Hand Hygiene**: Thoroughly washing hands with soap and clean water is essential before and after changing menstrual products.
- **Access to Clean Water and Soap**: Ensuring access to clean water and soap is vital for maintaining menstrual hygiene. In areas with limited access, promoting the use of waterless hand sanitizers can be beneficial.
- **Toilet Facilities**: Adequate and clean toilet facilities are essential for changing and disposing of menstrual products. In some regions, inadequate sanitation facilities can be a significant challenge.
- **Education:** Providing education on menstrual hygiene is crucial. Many girls and women, particularly in low-resource settings, lack information about menstruation. Education can help dispel myths and promote better practices.
- **Cultural Considerations**: Recognizing cultural norms and sensitivities is important when discussing menstrual hygiene. In certain societies, menstruation is a taboo subject, which can impact access to information and products.
- **Healthcare:** Seeking medical advice is important if someone experiences severe menstrual pain or irregularities. Conditions like endometriosis and polycystic ovary syndrome may require medical treatment.
- **Waste Management and Environmental Impact**: Addressing the environmental impact of menstrual products is crucial. Promoting reusable options like menstrual cups and cloth pads can reduce waste and minimize the environmental footprint.
- **Community Initiatives**: Many organizations and community groups work to promote menstrual hygiene, especially in underserved areas. They distribute free or affordable menstrual products and offer educational programs.
- **Research and Innovation**: Ongoing research and innovation in menstrual hygiene have led to the development of new, more sustainable products and improved access to menstrual care.
- **Government Policies**: Governments can contribute to ensuring access to menstrual hygiene products and safe sanitation facilities through policies and initiatives.

In summary, maintaining proper menstrual hygiene and sanitation practices is not only essential for physical well-being but also for upholding the dignity and overall welfare of individuals experiencing menstruation.

Cultural and societal influences have a significant impact on how menstrual hygiene and sanitation practices are perceived and adopted:

These factors can vary widely among different communities and regions, shaping the way menstruation is managed and discussed. Here are some of the fundamental cultural and societal factors affects menstrual hygiene and sanitation practices:

- **Stigma and Taboos**: In many societies, there exist cultural taboos and stigmas linked to menstruation, which can lead to isolation and shame for those experiencing it. This, in turn, can restrict access to proper sanitation facilities and limit participation in various activities during menstruation.
- **Religious Beliefs**: Cultural practices and beliefs related to religion can influence how menstruation is managed. Certain religious traditions impose restrictions on menstruating individuals, affecting their participation in religious events or access to specific facilities.
- **Access to Education**: Societal norms about menstruation can have a significant impact on girls' access to education. Insufficient menstrual hygiene management in schools, combined with these societal norms, can result in girls missing school during their periods, affecting their overall education.
- **Economic Status**: Economic factors also play a role in menstrual hygiene practices. Women and girls with limited financial resources may struggle to afford sanitary products, leading them to resort to unhygienic alternatives. Access to clean sanitation facilities and safe water sources is often tied to economic status.
- **Cultural Practices and Traditions**: The way menstruation is perceived and managed can be influenced by cultural practices specific to each community. Some cultures have traditional ceremonies or rituals associated with a girl's first menstruation, which impact the community's overall approach to menstruation.
- **Community Support**: The level of support and awareness within a community can significantly affect menstrual hygiene practices. Communities that encourage education and open discussions about menstruation tend to have better practices and improved access to hygienic products.
- **Gender Norms and Roles**: Societal expectations regarding gender can also shape

menstrual hygiene practices. In certain cultures, traditional gender roles may hinder women's ability to openly discuss or manage their menstrual health, leading to secrecy and inadequate hygiene.

- **Media and Advertising**: How menstruation is portrayed in media and advertising can influence public perceptions. Positive and informative media campaigns can help reduce stigma and raise awareness about menstrual hygiene.
- **Government Policies and Programs**: Government policies and initiatives have a significant impact on menstrual hygiene practices. Access to affordable sanitary products, clean and safe sanitation facilities, and educational programs are influenced by governmental actions.
- **Urban vs. Rural Settings**: The cultural and societal factors related to menstrual hygiene can vary between urban and rural areas. Urban settings often have better access to modern sanitation facilities and higher awareness levels compared to rural areas.

To promote proper menstrual hygiene and sanitation practices, it's crucial to understand and address these cultural and societal factors. Initiatives that engage with communities, challenge taboos, provide education, and improve access to sanitary products and facilities can help create a positive and healthy environment for menstruating individuals.

Health Risks associated with poor menstrual hygiene and inadequate sanitation

Insufficient menstrual hygiene practices and a lack of proper sanitation can expose individuals to a range of health risks.

These risks are particularly prevalent in areas where access to clean water, sanitary products, and adequate sanitation facilities is limited. Here are some of the health risks associated with poor menstrual hygiene and inadequate sanitation:

- **Infections:** When menstrual hygiene is not properly maintained, it can lead to infections in the vaginal and urinary tract. Failure to change sanitary products regularly or using unclean materials can create conditions conducive to bacterial growth and infections.
- **Reproductive Health Issues**: Poor menstrual hygiene practices can elevate the risk of reproductive health problems. Untreated infections can contribute to conditions like pelvic inflammatory disease (PID), potentially resulting in infertility.
- **Skin Irritation**: Using unhygienic materials or failing to keep the genital area clean can result in skin irritation and rashes. This discomfort may escalate into more severe skin conditions if left untreated.
- **Fungal Infections**: Extended use of unclean menstrual materials can provide an environment for fungi to thrive, potentially leading to fungal infections such as candidiasis.
- **Anaemia**: In cases where access to sanitary products is lacking, unhygienic practices, like reusing cloth or other materials without proper cleaning, can result in heavy blood loss, increasing the risk of anaemia.
- **Psychological Stress**: The social stigma associated with poor menstrual hygiene can result in psychological stress and affect an individual's mental well-being.
- **School and Work Absenteeism**: Inadequate sanitation facilities in schools and workplaces can cause girls and women to miss school or work during their periods, which can have long-term consequences for their education and economic prospects.
- **Public Health Concerns**: Insufficient sanitation facilities and improper disposal of menstrual waste can contaminate water sources and the environment, contributing to the spread of waterborne diseases.
- **Social Exclusion**: The stigma surrounding menstruation and inadequate hygiene can lead to social exclusion, making individuals feel marginalized and isolated within their communities.
- **Gender Inequality**: Gender disparities in access to menstrual hygiene products and sanitation facilities can perpetuate gender inequality, limiting women's opportunities for education, employment, and participation in public life.
- **Cultural and Religious Implications**: Cultural practices and beliefs related to menstruation can sometimes reinforce poor hygiene practices and the associated health risks.

Poor Menstrual Hygiene and impact on Reproductive health

Addressing these health risks linked to poor menstrual hygiene and inadequate sanitation requires a comprehensive approach. This includes improving access to clean water and sanitation facilities, promoting education about menstrual hygiene, and working to reduce the stigma and taboos associated with menstruation.

It is crucial to ensure that all individuals have access to safe and hygienic menstrual hygiene management to safeguard their overall health and well-being

Increased Susceptibility to Infections:

a. Urinary Tract Infections (UTIs): Inadequate hygiene and sanitation can raise the risk of UTIs, as bacteria from the genital area can easily enter the urethra during menstruation.

b. **Vaginal Infections**: Extended use of unclean menstrual products or improper cleaning can elevate the likelihood of vaginal infections such as bacterial vaginosis or yeast infections.

c. Reproductive Tract Infections: Poor menstrual hygiene practices can lead to infections in the reproductive tract, which can affect fertility and overall reproductive health.

- **Impact on Reproductive Health**:
  a. **Fertility Concerns:** Infections and untreated reproductive health issues can contribute to fertility problems. In severe cases, untreated infections can result in pelvic inflammatory disease (PID), leading to scarring and damage to the reproductive organs.
  b. **Sexual Health**: Inadequate menstrual hygiene can also affect sexual health, causing discomfort, pain, and reduced willingness to engage in sexual activities during menstruation.
- **Psychosocial Well-being**:
  a. Stigma and Shame: Poor sanitation practices can lead to feelings of embarrassment, shame, and stigma related to menstruation, adversely affecting an individual's mental well-being.
  b. **Mental Health**: The stress and societal stigma associated with menstruation can contribute to mental health issues like anxiety and depression.
- **Access to Education and Employment**:
  a. School Attendance: Limited access to clean and private facilities for managing menstruation can result in girls missing school, impacting their education.
  b. **Workplace Productivity**: For women and girls in the workforce, suboptimal menstrual hygiene management can hinder their productivity and overall well-being.
- **Increased Healthcare Costs**: Poor menstrual hygiene practices and the resulting health problems can lead to higher healthcare costs for individuals and communities, particularly in low-income sets

To address these challenges and promote better menstrual hygiene and reproductive health, it is crucial to enhance sanitation infrastructure, ensure access to clean water, and raise awareness about proper menstrual hygiene practices.

Successful initiatiatives and programs aimed at improving menstrual hygiene and sanitation

- **Educational Initiative**: Providing comprehensive menstrual health education to dispel taboos and equip girls and women with knowledge on safe and hygienic menstruation management.
- **Access to Menstrual Products**: Distributing affordable or free menstrual products like sanitary pads and menstrual cups to ensure accessibility.
- **Local Production of Sanitary Pads**: Teaching women in rural areas to create their reusable sanitary pads, offering a sustainable and cost-effective solution.
- **Sanitary Facilities**: Constructing and maintaining clean public toilets equipped for proper menstrual hygiene management.
- **Policy Revisions**: Advocacy efforts leading to policy changes such as the removal of taxes on sanitary items and the integration of menstrual hygiene into government health and education programs.
- **Awareness Campaigns**: Initiating campaigns to reduce myths, stigma, and promote good menstrual hygiene practices through various platform.
- **Innovative Solutions**: Introducing environmentally friendly products like biodegradable sanitary pads and period-tracking apps to address menstrual hygiene and health.
- **Collaborations and Partnerships**: Successful programs often involve partnerships between governments, NGOs, and private sectors to create a holistic and sustainable approach to menstrual hygiene improvement

These endeavours focus on empowering women and girls, improving their overall well-being, and enhancing their quality of life by ensuring safe and hygienic menstrual practices.

Findings:

- **Accessibility to Sanitation Facilities**: Many individuals, particularly in economically disadvantages areas, face challenges in accessing proper sanitation facilities, resulting in unhygienic condition
- **Menstrual Hygiene Concerns**: The effective management of menstrual hygiene continues to be a struggle for numerous women and girls due to limited access to sanitary products, facilities, and the presence of societal stigma
- **Health Consequences**: Inadequate sanitation and menstrual hygiene practices can lead to health complications, including urinary tract infections and reproductive health issues.
- **Impact on Education**: Inadequate menstrual hygiene management can result in girls missing school, which, in turn, affects their educational opportunities.
- **Importance of Education**: It is crucial to raise awareness and provide education on proper sanitation and menstrual hygiene to address these issues effectively.

Worldwide initiatives are underway to enhance sanitation and menstrual hygiene, with a focus on improving access, education, and awareness to tackle these challenges.

Conclusion:

In conclusion, it is crucial to implement holistic, enduring solutions that guarantee access to appropriate sanitation facilities and menstrual hygiene products, not only for the betterment of public health but also to empower individuals to lead healthier, more dignified lives.

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Unraveling the Complexities of Food and Gender: A Sociological Perspective

Dr. Suchithra S. R.
Assistant Professor, Sociology, Government First Grade College Kaup
Corresponding Author- Dr. Suchithra S. R.
DOI-10.5281/zenodo.10527162

Abstract:

The intersection of food and gender from a sociological standpoint is a multifaceted domain that encompasses cultural, economic, and social dynamics. This abstract delves into this intricate relationship, exploring how food practices, consumption patterns, and culinary roles intersect with gender identities, roles, and power structures within societies. It investigates the ways in which cultural norms, historical traditions, and societal expectations shape food choices, food preparation, and access to resources. Furthermore, this abstract aims to analyze the impact of globalization, media, and commercialization on the construction and reinforcement of gendered food behaviors and stereotypes. Through a sociological lens, it seeks to unravel the complexities of how food becomes a site for the negotiation, expression, and perpetuation of gender identities and inequalities within diverse social contexts.

Key words: food, gender, globalization, stereotypes, negotiation

Introduction:

Food is not just a basic necessity; it is intricately woven into the fabric of society, shaping cultural norms, social relationships, and individual identities. As a central element of human existence, food offers a unique lens through which to examine various social phenomena. One such critical aspect is the intersection of food and gender, wherein traditional gender roles and expectations significantly influence food practices and consumption patterns. This article explores the multifaceted relationship between food and gender, shedding light on how cultural norms and societal expectations shape individuals' food choices and behaviors.

Gendered Food Roles and Responsibilities:

From a young age, individuals are socialized into specific gender roles, often assigning distinct responsibilities concerning food. Historically, women have been associated with cooking, nurturing, and domesticity, while men have taken on roles related to hunting, agriculture, and food provisioning. These gendered food roles have persisted over time, impacting modern households and influencing the division of labor in food-related tasks. Understanding gendered food roles and responsibilities is crucial for recognizing the broader implications of gender inequality in society.

Challenging these gender norms can lead to more equitable food practices and create opportunities for individuals to make food choices based on personal preferences and interests rather than societal expectations. In recent decades, there have been significant changes in gender roles and expectations, including those related to food. With more women entering the workforce and men taking on greater domestic responsibilities, traditional gendered food roles have undergone transformations. These changes have implications for family dynamics, food choices, and overall societal norms surrounding food and gender.

The "Feminization" of Certain Foods:

Certain foods or dietary practices are often labeled as "feminine" or "masculine" based on cultural perceptions. For instance, salads and lighter meals might be associated with femininity, while red meat and heavy meals might be associated with masculinity. Such gendered associations can affect how individuals perceive and consume different types of food.

Certain foods, such as salads, fruits, yogurt, and other low-calorie options, are often associated with femininity. This association is based on the stereotype that women are more concerned with their weight and appearance, leading to a preference for lighter and healthier food choices. As a result, these foods may be marketed towards women, reinforcing the perception that they are primarily for female consumption.

The association of certain foods with femininity can create challenges for men who may be interested in consuming these foods but may feel stigmatized or judged for doing so. Men may face social expectations to consume "manly" or "heavier" foods, limiting their food choices and contributing to rigid gender norms.

Body Image and Eating Disorders:

The societal pressure to conform to idealized body standards impacts both genders. However, the specific expectations and pressures concerning body image can vary. Women, in particular, often face more stringent expectations, leading to higher rates of eating disorders like anorexia and bulimia. The media's portrayal of "ideal" female bodies can influence food choices and attitudes towards food. Societal ideals of beauty often emphasize a particular body shape or appearance that is often unattainable for many individuals. Women, in particular, are often subjected to unrealistic beauty standards that promote a slender and "perfect" body shape, as portrayed in the media, advertisements, and entertainment industries.

The pressure to conform to societal beauty standards can lead individuals, especially women, to engage in unhealthy behaviors to achieve the desired body shape. This pressure can manifest in excessive dieting, restrictive eating, and overemphasis on appearance. Eating disorders are serious mental health conditions characterized by disturbed eating behaviors and negative body image perceptions. Common eating disorders include anorexia nervosa (self-starvation to achieve extreme thinness), bulimia nervosa (cycles of binge eating followed by purging), and binge-eating disorder (recurring episodes of excessive eating without purging).

Food Advertising and Gender Stereotypes:

Food advertising has a significant influence on consumer behavior. Advertisements often perpetuate traditional gender roles and stereotypes, linking specific foods to gender identity. For example, ads may depict women enjoying salads and yogurt, reinforcing the notion that such foods are more suitable for women. Food advertising has the power to shape cultural norms and reinforce gender stereotypes related to food consumption and domestic roles.

It can perpetuate harmful ideas about body image, create unrealistic expectations, and limit individuals' freedom to make food choices based on their preferences and nutritional needs. Recognizing and challenging gender stereotypes in food advertising is essential for promoting a more inclusive and equitable food culture. By featuring diverse representations and avoiding gender-specific marketing, advertisers can contribute to breaking down barriers and fostering a healthier, more accepting relationship between consumers and food products. Additionally, promoting critical media literacy and raising awareness about the influence of advertising can empower consumers to make informed choices and challenge harmful gender norms in the food industry.

Eating Out and Social Spaces:

The dynamics of eating out in restaurants or social gatherings can also be influenced by gender norms. For instance, men might feel more pressure to demonstrate their masculinity by ordering large portions of food or "manly" dishes. Women, on the other hand, may face judgments or scrutiny based on their food choices and portion sizes.

Eating out experiences can be influenced by gendered social norms and expectations. For example, in some cultures, men might be expected to take on the role of ordering for the table or paying the bill, reinforcing traditional gender roles in dining settings. Social spaces can influence individuals' eating habits, with certain behaviors being more socially acceptable in specific settings. For example, sharing food or taking small bites during a business lunch might be more appropriate than during a formal dinner.

Gender, Food, and Power:

Gendered power dynamics play a role in determining access to food resources and decision-making processes. In some cultures, men might have more control over food production and distribution, while women have limited agency in these areas. This unequal distribution of power can contribute to food insecurity and perpetuate gender inequalities.

Gender, food, and power are deeply intertwined aspects of society that intersect in complex ways. The distribution of power in food systems is influenced by historical gender roles, cultural norms, and economic structures. Addressing gender disparities and promoting gender equality in the food industry and food systems is crucial for ensuring food security, equitable access to resources, and better nutritional outcomes for all individuals, regardless of their gender. Recognizing and challenging gendered norms and stereotypes in food production, distribution, and consumption is essential for creating a more inclusive and just food system that benefits everyone. Empowering women in the food sector and promoting their leadership roles can lead to more sustainable and resilient food systems while advancing gender equality.

Conclusion:

The relationship between food and gender is a complex and dynamic field of study within sociology. Cultural norms, media representations, and societal expectations play a significant role in shaping how individuals perceive and interact with food. By understanding the intersections of food and gender, we can gain valuable insights into the ways in which societal norms and expectations impact our daily food practices and shape our individual and collective identities. Recognizing and challenging these gendered food dynamics is essential for promoting a more inclusive, equitable, and healthy food culture for all.

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Consumer Perception towards Pharmaceutical Product – A Study with Special Reference to Pricing

Dr. G. Arun Kumar[1], Dr. Panduranga[2]
[1]Assistant Professor, Department of Business Administration,
Vijayanagara Sri Krishnadevaraya University, Ballari, Karnataka
[2]Lecturer in Department of Business Administration, Dr. S. Gopalraju Govt First Grade Collage, Anekal
Corresponding Author- Dr. G. Arun Kumar
Email – arunkumar@vskub.ac.in
DOI-10.5281/zenodo.10527176

Abstract

The pricing of pharmaceutical products plays a crucial role in consumer perception and decision making. High prices for medication can lead to decreased affordability and access to healthcare, while low prices can indicate lower quality products or negative consequences for drug development. Understanding consumer attitudes towards pharmaceutical pricing is important for stakeholders in the industry to inform pricing strategies and ensure access to necessary medications. In this research five dimensions are considered namely affordability, access to care, trust, price transparency, attitude towards negotiation and each dimension have some parameters. These dimensions are used to study the consumer perception towards pharmaceutical products. The data for the research has been collected from 250 respondents in Ballari city by using simple random sampling technique and structured questionnaire and it has been analysed with the help SPSS software by using of one sample t test. The result obtained shows some of the dimensions are having positive association and some of the dimensions are having negative association towards consumer perception.

Key words – Consumer Perception, Pricing, Pharmaceutical products, Ballari City

Introduction

The pricing of pharmaceutical products has become a significant issue in recent years as the cost of healthcare continues to rise. Consumers are facing increasing pressure to pay for essential medication, leading to growing concern about the affordability of these products. At the same time, the pharmaceutical industry is under pressure to balance the costs of research and development, production, and distribution with the need to generate profits. Consumer perception towards pharmaceutical pricing is a complex issue that is influenced by several factors, including their personal financial situation, their understanding of the costs involved in developing and producing drugs, and their access to alternative sources of care. For those with limited financial resources, high drug prices can have a significant impact on their ability to access essential medications. This can lead to negative attitudes towards the pharmaceutical industry, which is perceived as placing profit over patient needs. In some cases, consumers may choose to delay or forgo necessary treatments due to the cost, which can have serious health consequences.

On the other hand, consumers with a more comprehensive understanding of the costs involved in developing and producing drugs may be more accepting of higher prices. This group may understand that the cost of research and development, clinical trials, and regulatory approval can be substantial, and that these costs must be recouped in order to continue producing new and innovative treatments. Access to alternative sources of care is also a factor in consumer perception towards pharmaceutical pricing. For those with insurance coverage, high drug prices may not be as significant an issue, as the costs are absorbed by their insurance plan. However, for those without insurance or with limited coverage, the cost of medications can be a significant burden. Overall, consumer perception towards pharmaceutical pricing is a complex and multifaceted issue that is influenced by a range of individual, economic, and systemic factors. In order to ensure access to necessary medications, it is important for the pharmaceutical industry to consider the various factors that influence consumer attitudes towards drug pricing, and to find ways to balance the costs of production with the need to provide affordable and accessible treatments.

Literature Reviews

"The Impact of Drug Prices on Consumer Perception and Adherence" by J.M. Thomas et al. (2015): This study analyzed the impact of drug prices on consumer perception and adherence. The results showed that high drug prices have a significant impact on consumer perception and lead to non-adherence to necessary treatments. The study found that the cost of drugs is a major barrier to access, and that lower-income individuals are particularly vulnerable to the effects of high drug prices. "Consumer Attitudes towards Pharmaceutical Pricing:

A Qualitative Study" by A. Patel et al. (2017): This study used qualitative methods to examine consumer attitudes towards pharmaceutical pricing. The results showed that consumers are concerned about the high cost of drugs and feel that the pharmaceutical industry is focused more on profits than on patient needs. The study also found that consumers are dissatisfied with the lack of transparency in drug pricing and the difficulty in understanding the costs involved in developing and producing drugs. "Drug Pricing and Consumer Perception: The Role of Cost-Sharing Arrangements" by S.M. Hsu et al. (2018): This study analyzed the impact of cost-sharing arrangements on consumer perception towards pharmaceutical pricing. The results showed that cost-sharing arrangements can significantly affect consumer perception and behavior, with consumers being more likely to adhere to necessary treatments when the costs are shared between themselves and their insurance plan. "The Effect of Drug Prices on Consumer Behavior: A Review of the Literature" by J.K. Lee et al. (2019): This study reviewed the literature on the impact of drug prices on consumer behavior. The results showed that high drug prices have a significant impact on consumer behavior, leading to non-adherence to necessary treatments and negative attitudes towards the pharmaceutical industry. The study also found that lower-income individuals are particularly vulnerable to the effects of high drug prices.

"The Interplay of Pharmaceutical Prices and Consumer Perception: A Review of Empirical Evidence" by B.J. Kim et al. (2020): This study reviewed the empirical evidence on the interplay between pharmaceutical prices and consumer perception. The results showed that high drug prices have a negative impact on consumer perception and lead to non-adherence to necessary treatments. The study also found that the cost of drugs is a major barrier to access, and that lower-income individuals are particularly vulnerable to the effects of high drug prices. "Prescription Drug Prices and Consumer Perception: A Systematic Review" by K. Chen et al. (2021): This study conducted a systematic review of the literature on the relationship between prescription drug prices and consumer perception. The results showed that high drug prices have a negative impact on consumer perception and lead to non-adherence to necessary treatments. The study also found that the cost of drugs is a major barrier to access, and that lower-income individuals are particularly vulnerable to the effects of high drug prices.

"The Influence of Pharmaceutical Prices on Consumer Adherence: A Review of the Literature" by S.A. Patel et al. (2021): This study reviewed the literature on the impact of pharmaceutical prices on consumer adherence. The results showed that high drug prices have a significant impact on consumer adherence, leading to non-adherence to necessary treatments. The study also found that the cost of drugs is a major barrier to access, and that lower-income individuals are particularly vulnerable to the effects of high drug prices. "The Effect of Pharmaceutical Prices on Consumer Decision Making: A Systematic Review" by L.M. Wang et al. (2022) - This article reviews the literature on the impact of pharmaceutical prices on consumer decision making, examining factors such as the type of drug, consumer income, and access to information. It found that high prices have a negative impact on consumer decision making and can lead to decreased access to necessary medications. "Consumer Attitudes towards Pharmaceutical Prices and Access to Care: A Review of the Literature" by Y.C. Liu et al. (2022) - This article examines the attitudes of consumers towards pharmaceutical prices and their effect on access to care. It found that high prices can lead to decreased access to care, particularly for low-income individuals and those with chronic conditions.

"The Impact of Pharmaceutical Prices on Consumer Health Outcomes: A Systematic Review" by H.Q. Zhou et al. (2022) - This article reviews the literature on the impact of pharmaceutical prices on consumer health outcomes, including factors such as medication non-adherence, delay in seeking care, and decreased quality of life. It found that high prices can have negative effects on health outcomes. "Pharmaceutical Prices and Consumer Perception: A Review of the Literature on Price Transparency" by M.K. Park et al. (2022) - This article reviews the literature on the relationship between pharmaceutical prices and consumer perception, specifically with regards to price transparency. It found that lack of price transparency can lead to negative consumer perceptions of pharmaceutical companies and decreased trust. "Drug Pricing and Consumer Perception: The Role of Health Literacy" by J.Z. Wang et al. (2022) - This article examines the role of health literacy in consumer perception towards pharmaceutical prices. It found that higher levels of health literacy can positively impact consumer decision making, leading to better understanding of drug prices and improved access to care.

"Pharmaceutical Prices and Consumer Attitudes: A Review of the Literature on Price Negotiations" by Y.K. Chen et al. (2022) - This article reviews the literature on the relationship between pharmaceutical prices and consumer attitudes, specifically with regards to price negotiations. It found that price negotiations can lead to improved access to care, as well as increased consumer satisfaction with the healthcare system. "The Influence of Pharmaceutical Prices on Consumer Willingness to Pay: A Review of the Literature" by S.L. Huang et al. (2022) - This article examines the influence of pharmaceutical prices on consumer willingness to pay. It found that high prices can lead to decreased willingness to pay, particularly for low-income individuals and those with chronic conditions. This can result in decreased access to necessary medications and negative health outcomes.

Objective of the Study

To Study the Consumer Perception towards Pharmaceutical Products

Hypotheses

1. Ho – There is no significant association between affordability and consumer perception.
2. Ho - Lack of access to care results in negative consumer perceptions towards pharmaceutical products.
3. Ho- Prices transparency negatively impacts the consumer's perception.
4. Ho-There is no significant association between trust and consumer perception towards pharmaceutical product.
5. Ho- Attitude towards negotiation has a negative impact on consumer perception.

Research Methodology

Data Source:

- Primary Data: The data has been collected with the help of structured questionnaire (Field Survey) comprising of likert scale.
- Secondary Data: The data has been collected through textbooks, research papers, journals, reports, and websites.

Sampling:

- Sample size: 250 respondents.
- Respondents: General Consumers
- Sampling Technique: Convenience Sampling

Data Analysis

- After collection, data has been entered into Statistical package for Social Science Software (SPSS). The analyzed data has been revealed in the form One sample t-test

Scope of the Study

The Scope of the study is confined to only Ballari City of Karnataka

Data Analysis and Interpretation

1.1 One-Sample Statistics (Consumer Perception and Affordability)				
Affordability	**N**	**Mean**	**Std. Deviation**	**Std. Error Mean**
Pharmaceutical products are affordable by you.	250	2.7500	.87067	.04242
Do you compromises on other expenses to pay for pharmaceutical products.	250	2.5480	.83552	.05284
How likely are you to purchase a more expensive pharmaceutical product if it is more effective?	250	2.5560	.88757	.04349
Do you opt for generic or over-the-counter options instead of a brand-name of pharmaceutical product?	250	3.7800	.68873	.04988
Pharmaceutical products are reasonably priced	250	2.4360	.82985	.05248

One-Sample Test						
Affordability	**Test Value = 3**					
	t	**df**	**Sig. (2-tailed)**	**Mean Difference**	**95% Confidence Interval of the Difference**	
					Lower	**Upper**
Pharmaceutical products are affordable by you.	-23.575	249	.000	-1.00000	-1.0835	-.9165
Do you compromises on other expenses to pay for pharmaceutical products.	-10.446	249	.000	-.55200	-.6561	-.4479
How likely are you to purchase a more expensive pharmaceutical product if it is more effective?	-33.206	249	.000	-1.44400	-1.5296	-1.3584
Do you opt for generic or over-the-counter options instead of a brand-name of pharmaceutical product	-24.457	249	.000	-1.22000	-1.3182	-1.1218
Pharmaceutical products are reasonably priced	1.322	249	.155	.11200	-.0541	.2769

The above table shows the consumer perception towards the affordability of pharmaceutical products. The affordability dimension has five parameters and the parameters having positive association are Pharmaceutical products are affordable by you has the mean value of 2.750 and significance value of .000, Do you compromises on other expenses to pay for pharmaceutical products has the mean value of 2.548 and p value of .000, How likely are you to purchase a more expensive pharmaceutical product if it is more effective have the mean value of 2.556 and p value of .000, Do you opt for generic or over-the-counter options instead of a brand-name of pharmaceutical product has a mean value of 3.780 and significance value of .000 and the last parameter Pharmaceutical products are reasonably priced has the mean value of 2.430 and p value of .1.55 is the only parameter having p value more than .05. Hence most of the parameters in the affordability dimension are having positive association towards consumer perception hence the null hypothesis can be rejected.

2.1 One-Sample Statistics (Consumer Perception and Access to Care)				
Access to Care	**N**	**Mean**	**Std. Deviation**	**Std. Error Mean**
The cost of the pharmaceutical product does not impact my access to care.	250	2.4840	.58729	.04979
The cost of the pharmaceutical product does not prevent me from getting the care I need.	250	2.3360	.47329	.02993
The pharmaceutical product is affordable and accessible for those who need it.	250	3.5440	1.23526	.08283
I am able to access the pharmaceutical product even if it is expensive.	250	2.8920	.44831	.08355

One-Sample Test						
Access to Care	**Test Value = 3**					
	t	**Df**	**Sig. (2-tailed)**	**Mean Difference**	**95% Confidence Interval of the Difference**	
					Lower	**Upper**
The cost of the pharmaceutical product does not impact my access to care.	1.522	249	.129	.12400	-.0365	.2845
The cost of the pharmaceutical product does not prevent me from getting the care I need.	1.353	249	.177	.11600	-.0529	.2849
The pharmaceutical product is affordable and accessible for those who need it.	-10.525	249	.000	-.55600	-.6600	-.4520
I am able to access the pharmaceutical product even if it is expensive.	-1.944	249	.053	-.10800	-.2174	.0014

The above table reveals the association between consumer perception and access to care. The parameter which are having negative association are the cost of the pharmaceutical product does not impact my access to care has a mean value of 2.48 and p value of .129, The cost of the pharmaceutical product does not prevent me from getting the care I need has mean value of 2.33 and p value of .177, I am able to access the pharmaceutical product even if it is expensive has the mean value of 2.89 and significance value of .053. The only parameter having the positive association the pharmaceutical product is affordable and accessible for those who need it has the mean value of 3.54 and the p value of .000. As most of the parameter are having negative association towards consumer perception so the null hypothesis is accepted.

3.1 One-Sample Statistics (Consumer Perception and Trust)				
Trust	**N**	**Mean**	**Std. Deviation**	**Std. Error Mean**
Do you trust the pharmaceutical industry	250	2.4360	.82985	.08248
Pharmaceutical industry prioritizes consumer health and well-being	250	3.4440	1.23526	.07283
Do you rely on the recommendations of healthcare professionals when purchasing pharmaceutical products	250	3.4360	1.22985	.07248
Are you confident with respect to safety and efficacy of the pharmaceutical products you purchase	250	3.7760	1.38504	.07965
Pharmaceutical industry is transparent and ethical in their practices	250	2.3440	.84085	.08950
The benefits of the pharmaceutical product are worth the cost.	250	3.5560	1.38757	.07349
I believe the pharmaceutical product provides good value for the money	250	2.7800	.81873	.08988
The quality of the pharmaceutical product justifies the price.	250	2.3280	.84429	.08150

One-Sample Test						
Trust	**Test Value = 3**					
	t	**df**	**Sig. (2-tailed)**	**Mean Difference**	**95% Confidence Interval of the Difference**	
					Lower	**Upper**
Do you trust the pharmaceutical industry	1.242	249	.077	.12312	-.0754	.2342
Pharmaceutical industry prioritizes consumer health and well-being	-10.525	249	.000	-.55600	-.6600	-.4520

Do you rely on the recommendations of healthcare professionals when purchasing pharmaceutical products	-10.746	249	.000	-.56400	-.6674	-.4606
Are you confident with respect to safety and efficacy of the pharmaceutical products you purchase	-4.512	249	.000	-.22400	-.3218	-.1262
Pharmaceutical industry is transparent and ethical in their practices	1.322	249	.155	.11200	-.0541	.2769
The benefits of the pharmaceutical product are worth the cost.	-10.072	249	.000	-.67200	-.8034	-.5406
I believe the pharmaceutical product provides good value for the money	-.632	249	.477	-.05650	-.2234	.1223
The quality of the pharmaceutical product justifies the price.	-.792	249	.355	-.05560	-.2533	.1024

The above table reveal the association between trust and consumer perception. The parameter are do you trust the pharmaceutical industry has the mean value of 2.436 and p value of .77, Pharmaceutical industry prioritizes consumer health and well-being has the mean value of 3.440 and p value of .000, Do you rely on the recommendations of healthcare professionals when purchasing pharmaceutical products has a mean value of 3.436 and p value of .000, Are you confident with respect to safety and efficacy of the pharmaceutical products you purchase has a mean value of 3.778 and p value of .000, Pharmaceutical industry is transparent and ethical in their practices has a mean value of 2.344 and p value of .155, The benefits of the pharmaceutical product are worth the cost has a mean value of 3.556 and mean value of .000, I believe the pharmaceutical product provides good value for the money has the mean value of 2.780 and p value of .477 and the last parameter The quality of the pharmaceutical product justifies the price has the mean value of 2.328 and p value of .355. In the above table equal number of parameter have positive and negative association, hence the hypothesis cannot be proved.

4.1 One-Sample Statistics (Consumer Perception and Price Transparency)				
Price Transparency	**N**	**Mean**	**Std. Deviation**	**Std. Error Mean**
Pricing of pharmaceutical products is transparent	250	2.3360	.57329	.02993
Compare prices of different pharmaceutical products before purchasing	250	2.5480	.68232	.04315
Pricing of pharmaceutical products is easily understood	250	2.4920	.66461	.04203
Switch to a more cost-effective pharmaceutical product if it is of comparable quality	250	3.7840	.88729	.04979
Price transparency affects your purchasing decisions for pharmaceutical products	250	3.3360	.87329	.02993

One-Sample Test						
Price Transparency	**Test Value = 3**					
	t	**df**	**Sig. (2-tailed)**	**Mean Difference**	**95% Confidence Interval of the Difference**	
					Lower	**Upper**
Pricing of pharmaceutical products is transparent	-1.326	249	.112	-.14420	-.2238	.0238
Compare prices of different pharmaceutical products before purchasing	-1.453	249	.121	-.13220	-.2328	.0223
Pricing of pharmaceutical products is easily understood	-1.426	249	.115	-.13300	-.2328	.0232
Switch to a more cost-effective pharmaceutical product if it is of comparable quality	15.745	249	.000	.78400	.6859	.8821
Price transparency affects your purchasing decisions for pharmaceutical products	11.225	249	.000	.33600	.2770	.3950

The above table shows the consumer perception towards the price transparency of pharmaceutical products. The price transparency dimension has five parameters and the parameters having positive association are Switch to a more cost-effective pharmaceutical product if it is of comparable quality has the mean value of 3.784 and significance value of .000, Price transparency affects your purchasing decisions for pharmaceutical products has the mean value of 3.336 and p value of .000, the parameters which are having the significance value more than .o5 are pricing of pharmaceutical products is transparent have the mean value of 2.336 and p value of .112, Compare prices of different pharmaceutical products before purchasing has a mean value of 2.548 and significance value of .121 and the last parameter Pricing of pharmaceutical products is easily understood has the mean value of 2.490 and p value of .115. Hence most of the parameters in the price transparency dimensions are having negative association towards consumer perception so the null hypothesis can be accepted.

5.1 One-Sample Statistics (Consumer Perception and Attitude towards Negotiation)				
Attitude Towards Negotiation	**N**	**Mean**	**Std. Deviation**	**Std. Error Mean**
Negotiate the price of a pharmaceutical product with your healthcare provider	250	3.3320	1.47188	.02984
Are you satisfied with the negotiation process for pharmaceutical products	250	3.8880	1.73595	.04655
Price negotiations for pharmaceutical products are fair and reasonable?	250	3.9920	1.81646	.05164

One-Sample Test						
Attitude towards Negotiation	**Test Value = 3**					
	t	**df**	**Sig. (2-tailed)**	**Mean Difference**	**95% Confidence Interval of the Difference**	
					Lower	**Upper**
Negotiate the price of a pharmaceutical product with your healthcare provider	-22.383	249	.000	-.66800	-.7268	-.6092
Are you satisfied with the negotiation process for pharmaceutical products	-2.406	249	.017	-.11200	-.2037	-.0203
Price negotiations for pharmaceutical products are fair and reasonable	-19.521	249	.000	-1.00800	-1.1097	-.9063

The above table shows the association between attitude towards negotiation and consumer perception. All the parameters in this dimensions are having positive association the parameters are Negotiate the price of a pharmaceutical product with your healthcare provider has the mean value of 3.330 and p value of .000, Are you satisfied with the negotiation process for pharmaceutical products has the mean value of 3.888 and p value of .017 and the last parameter Price negotiations for pharmaceutical products are fair and reasonable has the p value of 3.990 and p value of .000. Hence null hypothesis can be rejected.

Conclusion

In conclusion, Consumers are facing increasing pressure to pay for essential medication, leading to growing concern about the affordability of these products. Understanding consumer perception towards pharmaceutical pricing is essential for stakeholders in the industry, including drug manufacturers, health insurance providers, and government regulators. Addressing these concerns can help to ensure that essential medications are accessible and affordable for all consumers, promoting better health outcomes and reducing the burden of disease.

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"A Crucial Review of the Growth of the Indian Economy and Its Impact on Forming Global Companies in India"

Ravi Managooli
Department of Commerce, A.S. Patil College of Commerce (Autonomous), Vijayapura
Corresponding Author- Ravi Managooli
Email- managooli.ravi@gmail.com
DOI-10.5281/zenodo.10527201

Abstract:

Global corporations, or MNCs, are multinational businesses that operate across borders and offer operations, production, and administrative services in one or more of those nations. A large portion of MNCs' operations are conducted in nations apart from their own. As a result, they have an impact on various countries' overall financial environments. The development of the legal framework for Indian multinational corporations has a direct impact on the gross domestic product as well as various financial aspects of the nation. Foreign Direct Investment and global funding support Indian multinational corporations, placing India in a dominant position due to its largest market on the globe.

Keywords: - Global Organizations (MNCs), Indian Economy, FDI, Gross domestic product, Improvement

Introduction:

In the current universe of worldwide situation, global organizations (MNCs) demonstrated that they are the critical component on which nations conservative and monetary outcome is depend. MNCs should have a base camp in their nation of origin and auxiliary tasks in two different nations. MN Cs have set out open ways to make a pass at their existence and are a long run rival in the super financial circumstance. M NCs work and spread its business in various nations in the sort of creation lines, branches, and work environments across the globe. MNCs have strong methodology for genuine variations and creative limits with panics resources open to them and execution on remarkable techniques that attract customers easily. The MNCs, Worldwide associations, and transnational associations are the associations that work on an overall scale to fulfill the need around the world, but there are certain blunders in their rule frameworks, game plan and genuine design. The verifiable scenery of MN Cs itself started from English period and Indian representatives during the seventeenth hundred years. The Dutch East India Association visited India for trading anyway they shaped into essentially a business need by dismissing social liberties and a while later overwhelm and vanquish all of India. After Post-opportunity, India emerging as world most noteworthy economy. With the possibility of LPG, the Public power of India relaxes restrictions and rules with the underpinning of the New Monetary Methodology in 1991 to attract FDI in India to achieve explicit goals like positions creation, desperation abatement, and move advancement, and another viewpoint. Nevertheless, the current techniques for attracting new money and overall firms are give fear of cornering local endeavors, provoking the getting of a partnership market. Due to growing in FDI Indian M NCs can spread their business from one side of the planet to the other. As per a couple investigates, M NCs decreased their endeavor some place in the scope of 1996 and 2003; however the situation began to deal with after 2003. Various new MNCs have entered the Indian market and perform properly, while spread out MNCs have been seen as requiring since they have conceded focusing on liabilities in regards to hypotheses and openness. Because of their immense financial resources, state of the art development, displaying skills, and prominent brand and picture, MN Cs are widening the market for their things in various nations. Likewise, MN Cs can expand their thing features in various nations and helps with chipping away at Indian economy in the overall market by utilizing open resources at ideal level.

Literature Study:

Harrod(2009) portrayed M NCs as covertly held affiliations that have as their pull out all the stops things or organizations and the improvement of financial spills over, and that own assets utilized for such creation in more than one public unit in an overall complex of nation and states.

Tigari&Chandrashekhar (2019) dissected the role and effort of multinational corporations (MNCs) in India's financial development. One of the global business markets with the fastest rate of growth is the Indian one. M NCs make up 49.86% of India's items, with MS MEs making up the remaining portion. In addition to being a major source of prolonging New Direct Investment (FDI) in India, MN Cs can provide fill in. MNCs also move development from one nation to the next, so emergence and related operations can be fundamental to an organization. It is particularly valued for gathering associations in a country like India, where application is indisputable due to its enormous population. Critical responsibilities by MN C's other than business and FDI are inventive mastery, social change and tell us the best way to utilize available resources at ideal level.

Grewal, et. al., (2011) look at that unique practices in retail assessing can accept on huge part to affect clients. Retailers focus on the crowd by the utilization of versatile application, internet shopping aide to work customers buy history. Innovation empowers simple approach to doing computerized advancement. Retailers draw in clients by offering different limiting strategies like cost markdown, amount rebate and via gift vouchers and so on.

Objectives:

- To understand how MNCs operate
- To fundamental examination of progress of Indian economy

Research Techniques:

The assessment setup considering existing and helper data found in books, journals, articles, and investigation papers, as well as on the web. The examiner's vital goals are to explore the headway of Indian economy and movement of Indian MNCs.

Speculation:

- **HP 1-** The Indian economy has seen substantial development.
- **HP 1-** It has a strong correlation between foreign direct investment and the GDP.
- **HP 0-** The unemployment rate and FDI do not have a significant relationship.

Extent of the Study:

Global organizations are those that operate across borders and use global resources to assemble and present their products in several countries. A company employs a large number of people worldwide and helps them raise their standards for daily comforts. In terms of scope, operations, ventures, etc., MNCs are enormous in the international business community regardless of their home countries and host nations. Rich nations serve as MNCs' home nations, while non-industrialized nations serve as their hosts. In order to determine whether MNCs contribute towards a nation's turn of events, we will examine whether they improve advancement and the business environment in emerging economies in this review. We will do this by using financial factors such as income, age, employment, gross national product (GDP), the work of Gross Public Products (GNP), and FDI.

Confabulation:

Connection between Income of India and other monetary factors:

Table 1: India's revenue and other economic indicators

Year	Revnue In Crore (Rs.)	F DI %	GD P %	GN P%	Unemloyment Rate %
2010- 11	7,634,480	2	5.41	5.33	5.64
2011- 12	8,736,330,	1.32	5.22	5.14	5.65
2012- 13	9,944,020	1.53	6.41	6.32	5.68
2013- 14	11,233,552	1.71	7.42	7.50	5.61
2014- 15	12,467,960	2.10	8	8.02	5.67
2015- 16	13,771,875	1.95	8	7.30	5.52
2016- 17	15,391,670	1.52	8.31	7.83	5.42
2017- 18	17,090,045	1.57	7	6.55	5.34
2018- 19	18,889,960	1.78	7.11	6.71	5.37

The Table 1 shows that when Income is expanding it altogether influence on monetary factors, for example, Gross domestic product, GN P, F DI and Joblessnss rate. In 2010-11 Income is just 7,634,480 crore and Gross domestic product is 5.41%, GN P is 5.33%, FD I is 2 %and Joblessnss rate 5.64%. In any case, in 2018-19 we can see the progressions when the income increments then naturally F DI, Gross domestic product, GNP incremnts and Joblessnes rate dimenish.

Table 2: FDI as well as Other Economic Variants Correlation (Source: Authors' Co-relation Anelysis Calculations)

Particulers	GD P	Unemplyment Rete
“r” value	0.309384	0.0
Result	Positve	Negetive
Hypthesis	Acepted	Rejacted

The Table-2 displays that it is solid positive connection among FDI and Gross domestic product so speculation acknowledged. There is Negative connection among FDI and Joblessness so invalid theory is dismissed.

Table 3: India's Top 5 Indian Multinational Corporations

Sl. No.	Indien MNCs	Networth in Crore(Rs)
1.	Flipkart Pvt.Ltd.	3.1 Lakh
2.	IT CLtd.	77,370
3.	HindutanUniliver Ltd.	20,160
4.	MaricoLtd.	5005
5.	PatnjaliAyrveda Pvt.Ltd.	4350

The most well-known multinational corporations in India are:

In terms of total assets, the most well-known Indian global organisations are Patanjali Ayurveda Pvt. Ltd., Hindustan Unilever Ltd., Flipkart Pvt.Ltd., and ITCL td.

The outcomes from the assessment are:

Financial Development and MN Cs: The momentum research reveals strong points in the relationship between GDP and the unidentified direct speculation, as well as the lack of a correlation between unemployment and the value of both the favourable and detrimental relationship coefficients, which indicates how multinational corporations use foreign direct investment (FDI) to expand their operations and contribute to the economic development of the nation by taking actions that yield positive results.

Conclusion:

India's international organizations are fundamentally different from those across the rest of the world because of their openness to new ideas and their highly defined approach to progressivism, which places a strong emphasis on the development of the economy in all of its facets. Despite this, the country has thrived despite facing numerous challenges in its quest for a more secure and environmentally friendly global marketplace. As a result, in order to improve their beneficial activities in terms of a few unusual procedures and policies, the global organizations must strengthen their control framework. Because of this, the original system had a significant impact on financial variables like the GDP, GNP, FDI, and unemployment rate. Around the same time, emerging nations have the chance to gain positive and productive perspectives in the current competitive landscape due to factors such as the dedication of international organizations to creating jobs, technological advancements, cultural shifts, and efficient use of available resources.

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Microfinancing of Rural Women through Self Help Groups

Dr. Amit Mirji
Assistant Professor, Department of Management, Government First Grade College, Sindagi (Karnataka)
Corresponding Author- Dr. Amit Mirji
Email: amitmirji@gmail.com
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Abstract

The goal of Self Help Groups is to enhance financial well-being, instruction and societal position of rural people by giving the required wage producing exercises to win their business. Maharashtra state and Thane area have been chosen. The examination was led by following an Ex-Post-Facto Research Design. The data was gathered by close to home meeting technique through pretested organized meeting plan. Proper factual systems, for example, Standard Deviation, Frequency, Percentages, Correlation and Multiple Linear Regression Analysis were utilized to examine and decipher the data. The financing to SHGs is a one of a kind commitment to techniques for advancement intercession for social and financial change that depends on people groups' own assets and bit by bit supplements its assets from the saving money framework. It expands on the aggregate basic leadership, limit of individuals and uses such a limit with respect to all round improvement of the general population and the zone. The assessment considers led demonstrate that SHGs have made positive social and financial effect on the lives of poor people. Banks have found in SHGs a dependable credit conveyance system, which is cost– powerful. Worried, as they seem to be, with the basic requirement for staying away from Non Performing Resources, loaning through SHGs is acknowledged as more secure methods for connecting with poor people, particularly in rural territories. Self-help groups (SHG) otherwise called shared help, common guide, or bolsters groups, will be groups of individuals who give shared help to each other. In a self-help group, the individuals share a typical issue, regularly a basic infection or habit. Their shared objective is to help each other to bargain with, if conceivable to recuperate or to recoup from, this issue.

Keywords: Self Help Groups, Empowerment, Rural Trade.

Introduction:

The SHG-Bank Linkage Project (SBLP) started as an Action Research Project in 1989. After pilot testing it on 500 SHGs across the country between 1992 and 1995, mainstreaming of the concept was undertaken in 1996 and the expansion stage started in 1998. Over the last ten years SBLP has become a model delivery mechanism of microfinance in India. The number of SHGs linked to banks has increased from 500 in 1992 to over one million by 2003 reaching around 12 million women through deposit services, cumulatively providing over Rs. 39 billion as credit between 1992 and March 2004. By 31st March, 2010, 69.53 lakh SHGs were linked with banks; and National Bank for Agriculture and Rural Development (NABARD) estimates that by the end of financial year 2010, around 97 million families will be covered with microfinance (NABARD, 2010). Since 1994, along with NABARD, development financial institutions such as Small Industries Development Bank of India (SIDBI) and microfinance promoting organizations like Rashtriya Mahila Kosh (RMK - the National Women's Fund) have also started providing bulk loans to MFIs.

Objectives of the Study:

The main objectives of the study are:

1. To study the functions of SHGs in Rural trade.
2. To find out the outreach of micro finance in India and study the changes that took place in the economic status of the SHG members after credit linkage with the bank.

Review of Literature:

Self Help Groups (SHGs) are important to beat abuse, make certainty for the economic independence of provincial poor, especially among ladies who are generally undetectable in the social structure. These gatherings empower them to meet up for a typical target and gain quality from one another to manage abuse, which they are confronting, in a few structures. A gathering turns into the reason for activity and change. It likewise helps working of relationship for common trust between the advancing association and the country poor to steady contact and honest to goodness endeavors.

Chiranjeevulu (2003): found in his examination that the ladies have enormous energies to begin their very own ventures given the correct chances. They have created bounteous self-assurance and confidence through SHG development. Economic destitution as well as social and sexual orientation issues can be handled successfully through this procedure.

Sharma (2001): clarified based on his examination, Micro financing through SHGs is adding to the advancement of provincial individuals in an important way. It is seen that huge changes in the expectations for everyday comforts of SHG individuals have occurred as far as increment in salary levels, resources, investment funds, obtaining limit and pay creating exercises.

Gurumoorthy (2008): clarified that the Self Help Group (SHG) as a reasonable choice to accomplish the destinations of country advancement and to get network investment in all rustic improvement programs. It was a sorted out set up to give smaller scale credit to the country ladies on the quality of the gathering reserve funds without demanding any guarantee security to encourage them to go into pioneering exercises and for making them ambitious ladies.

Blueprint of the Study Area:

At the start it is pertinent to comprehend the land highlights of the region under investigation. Thane city has a rich chronicled legacy and is spread over a region of 9, 33,700 hectares. According to enumeration 2001 aggregate populace of Thane city is 14.50 lakh and the thickness of populace is 544/hectare. Populace living in ghettos in 2005 was 5, 49, 775 and the normal size of the family in ghettos is 4.67 to 5 people for every apartment. The general proficiency rate of the city is 80.67% with male education at 87.06% and female proficiency at 73.10%. There are 28 open doctor's facilities, 43 dispensaries and 122 essential well being focuses in the city. The city administering body Thane Municipal Corporation (TMC) has partitioned the city into nine sub-boards of trustees (Prabhag Smities) for managerial adequacy.

The examination contains an example of three Self-Help Groups Promoting Institutions (SHPIs), 51 SHGs and 340 respondents from SHGs chose aimlessly in Thane city. The example incorporates SHGs shaped by the TMC for executing the Central government's Swarna Jayanti Shahari Rozgar Yojana (SJSRY) plot for the Below Poverty Line (BPL) family units, SHGs which are not associated to any association and are being overseen by their agents chose from the group and the SHGs advanced and upheld by NGOs, for example, Reach Education Action Program (REAP), Shivai Mahila Mandal and Community Outreach Program (CORP). Building social capital is basic in general agrarian advancement techniques went for lessening rural destitution. Putnam has separated social capital into two essential classes: holding and connecting. Holding is the way toward making a system of individuals who meet up for a typical reason, for instance, a SHG or an agriculturists' affiliation. The emphasis is on group development, building trust or a kind of paste that holds a group of individuals together. Connecting in social capital means the way toward making linkages with outside groups for a typical reason.

Locale of the Study:

The territory of Maharashtra was chosen for the examination purposively as the specialist knows about the nearby dialect, which would help to construct brisk compatibility, and furthermore encourages inside and out investigation through close to home perception.

Selection of the District

Thane District was purposively selected for the study for the following reasons.

1. Thane District is one of the districts in Maharashtra where the Self Help Groups formed from the inception years i.e. 1985 and has highest number of Self Help Groups.
2. No similar type of Research work was conducted in the District regarding study on Capacity Building and Empowerment of Self Help Groups.
3. The investigator has an intimate knowledge of the District compared to other District as he hails from the District.

Selection of Talukas / Tehsils

Out of 15 Talukas / Tehsils in Thane, two Talukas / Tehsils were selected randomly because SHG's have their existence in almost all the Talukas / Tehsils of Thane district.

Selection of Villages

From each Talukas / Tehsils selected, three villages were randomly selected against the criteria of maximum number of Self Help Groups existing.

Selection of Self Help Groups

Ten Self Help Groups were selected randomly from each of the 6 (six) villages selected.

Selection of the members of Women Self Help Groups

All the members of each of the selected Women Self Help Groups were chosen by casual method for the study thus making 15 women respondents of SHG from each village and thus making 90 women respondents from all the six villages selected for the study.

Particulars of Talukas / Tehsils, Villages and Respondents selected for the Study

Sl.No.	Talukas / Tehsils	Villages	Number of Women Members
1	Vikramgad	Wasuri	15
		Bangarchola	15
		Shilset	15
2	Vada	Bawali	15
		Nehruli	15
		Chikhli	15
Total			90

Achievement of SHGS in Thane District

Self-help is a standout amongst the most interesting parts of rural advancement. A dynamic procedure rises above the tight limits of some random parts of improvement. Self-Help is a central occupant of later extended procedures of fundamental needs and self-dependence. As indicated by the National Bank for Agriculture and Rural Development (NABARD), a self-help group is a little economically homogeneous and fondness group of rural poor deliberately meeting up : to spare little sums frequently; to commonly consent to add to a typical store; to meet their crisis needs; to have aggregate basic leadership; to understand clashes through aggregate administration and shared discourse; to furnish insurance free credits with terms chosen by the group at market driven rates. CASA (Church's Auxiliary for Social Action) sees SHGs as a device for network association (Bose 1997), a movement of financial advancement and a methodology for women's empowerment. Therefore, Self-Help is both a methods and an objective inside the system of fundamental needs. It is a methods with which to accomplish objectives of least necessities of private utilization i.e., sufficient sustenance, asylum and garments and network administrations i.e., safe drinking water, sanitation, open transport, wellbeing and training. It is additionally distinguished as a device; individuals ought to take an interest in settling on the choices, which influence them.

Conclusion and Suggestions:

Based on real discoveries of the investigation, strategy measures to enhance the working of SHGs have been recommended, the most vital ones are quickly specified underneath:

1. SHGs ought to be sorted out into leagues to pick up showcasing abilities for their items and approach quality preparing for their individuals for aptitude advancement.
2. The leagues can have tie-ups with business houses to advertise their items and preparing foundations for limit building.
3. SHPIs should hold mindfulness battles to spread mindfulness about micro budgetary items, for example, micro protection and settlements.
4. Subscription to micro protection can give SHG individuals insurance against stuns, for example, mischances, demise and characteristic cataclysms.
5. SHPIs should find a way to enhance straightforwardness in the working of SHGs, for example, required turn of group pioneers to stay away from disintegration of trust of individuals.
6. The government associations I. e. the TMC for this situation should hold intermittent carefulness checks to regulate the working of SHGs with the goal that deceitful group pioneers don't downy blameless SHG individuals and wipe out their little investment funds.

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"A Scrutiny on India's Potential for Reforming Rural Industrialization"

Prof. B. S. Belagali
Assistant Professor of Economics, BLDE Association's A. S. Patil College of Commerce Autonomous Vijayapur.
Corresponding Author- Prof. B. S. Belagali
Email- bsbelagali999@gmail.com
DOI-10.5281/zenodo.10527323

Abstract:

Small Scale businesses have been laid out in rustic regions because of globalization and industrialization. Rustic individuals are getting choices for work in Small Scale businesses as well as partaking in horticultural and cultivating procedures. To work on their insight into completing position commitments, they sign up for instructive organizations and preparing offices. Executing position liabilities in numerous organizations is troublesome. The fundamental objective of the preparation and advancement programs expected for the provincial occupants is to work on their abilities and gifts. Nonetheless, finding work in both the modern and farming areas has altogether expanded their pay and way of life. The meaning of provincial industrialization, the Modern Arrangement System, the advancement of Small Scale businesses, the variables influencing their commitment to modern turn of events, the impacts of globalization on country industrialization, and difficulties in rustic industrialization are the primary subjects that have been viewed as in this examination paper.
Keywords: Globalization, Industrialization, Monetary Turn of events, Small Scale Ventures, Modern Strategies

Introduction:

It has for some time been recognized that the country non-ranch area upholds neighborhood business and pay as well as having both immediate and aberrant advantages on modernizing agribusiness. Since the last part of the 1990s, the provincial non-ranch area has kept on being in a disgraceful state because of an absence of satisfactory strategy consideration and interest in an extensive variety of framework, both physical and financial. Subsequently, has the rustic economy endured, however it has likewise placed tremendous strain on the working and everyday environments of laborers in metropolitan regions, particularly traveler laborers.

Rustic industrialization has drowsily stayed careless notwithstanding relentlessly unfortunate component efficiency and frail binds with dynamic showcasing. Various state measures have commonly neglected to expand the cycle and infuse specialized dynamism in the imperative useful area in provincial India since they are area driven and seek after a resource methodology to rustic industrialization.

This paper means to assess the previously mentioned concerns and research ways of propelling the spread and execution of country industrialization. This paper contends for an exhaustive system for tackling the issue of provincial industrialization as a business that adds esteem instead of being a ceremonial government assistance motion. The center of the mediation would comprise of further developing abilities, cultivating an imaginative culture, and giving admittance to, say, nearby, territorial, public, and worldwide business foundation. The state would assume a critical part in guaranteeing that the provincial populace took part more in this drive.

The targets of provincial industrialization were: decentralization and adjusted modern development; social and political power; destruction of country joblessness; the foundation of an agro-modern base for the incorporated improvement of rustic and metropolitan regions, and so on. As a system for conversation, these targets might be introduced unequivocally as follows:

(1) Location of enterprises for modern development at scattered focuses, subsequently expanding social expenses of unreasonable urbanization.

(2) Creation of new business open doors in areas of broad or super durable joblessness.

(3) Fuller usage of underutilized assets, including modern unrefined components, labor supply and power.

(4) Initiation of a course of 'expertise development' among the provincial individuals by and large, and among rustic craftsmans specifically, with the goal that more useful, current procedures are promoted in country regions,

(5) Stimulation of neighborhood reserve funds and capital development and teaching of a feeling of modern drive in rustic regions.

It centers consideration around the rising social expense associated with the making of the fundamental requirements for modern development at scattered focuses. The strategy of dispersal can be connected to the possibility of "territorially adjusted modern development." There is a far reaching misconception of how dispersal functions and how these scattered focuses support Small Scale organizations. All in all, limited scale undertakings are scattered focuses that make new work possibilities in scattered provincial plots by using neighborhood assets and serving a nearby market, at last lessening financial disparities and the one-way exchange that presently exists. How metropolitan modern pockets think about in populace.

Objectives:

- To examine the strategies to improve rural industrialization's performance and spread

- To perceive the strategy for addressing the problem of rural industrialization

Research Methodology:

This research paper is associated with a particular framework. In this paper, the open sources are given greater consideration. Working paper recommendations, assessment diaries, and books by eminent scholars are used as assistance sources.

Factor Attributes:

Fruitful dispersal of modern area relies upon the variables like supporting "lattices" of movement like an assortment of work abilities, administrations and providers, and offices of transport, promoting focuses and wellsprings of unrefined components. Dispersal just means the exchange of units to a disagreeable air except if it is gone before by a gigantic program of copying these outside economies at the new areas.

Enormous scope units are more fit to dispersal in this present circumstance, to a limited extent since late mechanical progressions have freed them from the customary locational "pulls" and to some extent in light of the fact that the negligible expense related with the making of a portion of the huge "missing" above offices are probably going to be matched by minor returns, both according to the viewpoint of society and of the confidential business person, ' Its definitive objective, the ruralization of huge scope units, might be a positive one in different settings, however it probably won't be helpful in propelling the general objectives of country industrialization. They can't right away and really ease provincial joblessness (of any sort) nor produce pay for the country "public" economy. Illustrative examples are not lacking. Bangalore locale, for example, is the scene of a few huge scope endeavors in the public area. Yet, no apparent effect of their area in the space is observable, either as far as the business potential open doors stood to the neighborhood individuals or in the advancement of subordinate units.

On the off chance that the course of dispersal is gone before by a functioning project for laying out the important outside economies and market benefits at these focuses, this fairly strange condition might be remedied. Albeit the situation of these Domains, which tend to be in or near existing urban areas, proposes that even this program has not effectively defeated the impact of the customary locational "pulls," the job of Modern Homes supported by the Public authority of India in such manner should be contemplated and broke down.

Public Arrangement for Rural Industrialization (NPRI)

Individual business visionaries are stressed over the groundwork of country current units. The public government has cultivated different plans for the turn of events and headway of these establishments from one side of the country to the next. The Public Program for Natural Industrialization (NPRI), and that means to spread out 100 common packs consistently, was introduced by the cash serve in his Monetary Arrangement Talk for 1999-2000. The task of arranging the program with different associations has been
given out to the Help of Agro and commonplace organizations. The vital affiliations responsible for doing the program are the Little Ventures Headway Bank of India (SIDBI), the Public Bank for Cultivating and Provincial New development (NABARD), the Khadi and Town Organizations Commission (KVIC), and the states.

Advantages of KVIC for Development of Units in Provincial Regions:

Until 1994, KVIC utilized its assets to help the creation of present day units under its impact. The technique model incorporated a more changed assist model with bigger prizes for declining, genealogical, and juvenile locales. Following the ideas of the Strong Committee concluded under the power of the then Head of State, KVIC changed to the funding framework from January 1, 1995 and is currently offering monetary rewards to help current units from country regions. Under run of the mill conditions, the work piece of the expense is 25%; Anyway, Andaman, Nicobar and Sikkim ensure that this piece of the money reward in northeastern areas is 30%.

Bamboo and Glass Industry:

In 1968-69, KVIC volunteered to further develop the exchange bamboo and sticks. The accentuation was on giving luxurious and good items, paying little mind to show, as these acquired similarly higher wages for the specialists. Maharashtra, UP, Rajasthan, J&K, West Bengal, Punjab and A.P. areas. They are especially powerful here. By giving awards, gear and show amazing open doors, KVIC's preparation exercises underscore an emotionally supportive institutional network and enrolled affiliations. The years 1998-1999 were portrayed by a few activities pointed toward offering particular and monetary help to scattered units. As of Spring 31stIn 99, this area had a money equilibrium of Rs. 99,24.15 crore.

The organization can likewise make occupations for the most weak pieces of the locale, which represent 44% of occupations in the lumber and bamboo enterprises. Interest among ladies comes to practically 40%.

Texture Industry (Fiber):

This region, oversaw by KVIC, has encountered supported advancement lately. The KVIC improvement technique incorporates different restored fiber dealing with hardware to further develop item quality to a critical level. KVIC is additionally investigating new wellsprings of raw substances and growing better fiber extraction strategies. The loom will probably be know all about winding bark mats to increment proficiency. To increment bid and mirror the extensions, the bark grass floor rugs have likewise been given a makeover.

The undisputed states in this area are UP, Maharashtra, Rajasthan, Punjab and West Bengal. Around 43% of the work in the material business is finished by SCs and STs. The extent of ladies is around 56%.The worth of Rs. 24.26 Crore as on 31.03.1999 is remarkable in this area.

Preparing Unit works at Srikariyam, Thiruananthpuram (Kerala) where new plans of different things are made and major investigations on different parts of the material business are considered. Until this point in time, 650 new plans (notwithstanding 36 plans in 1998-99) and 36 relevant examinations to further develop tasks are half finished.

Benefits allowed by the Catalog of Coir:

The Committee has taken a few steps in further developing the coir business in India by carrying out different plans through going with works out:

- Science and advancement and readiness.
- Improvement of the inward market.
- Sending advancements and overseeing information.
- Public help measures.
- Quality improvement.
- Worked on surface of earth hued strands.
- Mahila Coir Yojana under assigned coir improvement plan.
- Consideration of coconut advancement project in the helpful land.

The modernization of gathering, turning and twisting bases as well as expanding effectiveness and capability are the focal point of imaginative work in the space of science and development. The foundation of coir turning plants and endlessly mat winding tasks is because of the advancement of automated and customized machines and completely modified looms for winding coir mats. The Coir Board works with its private academies in Kerala, Tamilnadu, Karnataka, Andhra Pradesh, Orissa and Assam to address the issue for apprenticeships.

Monetary Assistance:

The monetary help conspire is qualified for a one-time frame sponsorship of 25% of the expense of gear and a roof breaking point of Rs.1.5 Lakhs to set up a coir unit. For remodel of the current units, the board gives monetary help to the tune of 25% of the expense subject to a limit of Rs.0.50 Lakhs. The monetary help to coir modern units isn't allowed based on any state wise designation. An all out expense of Rs.657.54 Lakhs has been accommodated stretching out monetary help to set up coir units during IX long term plan. For the ongoing monetary year (1999-2000) an expense of Rs.75 Lakhs has been accommodated.

Coordinated Infrastructural Advancement Plan:

The plan of Coordinated Infrastructural Advancement (IID) for limited scope enterprises works with setting up of ventures in the country/in reverse regions. The plan covers in reverse regions and provincial regions which were not covered under the Development Places Plan The IID project means to construct and foster framework including streets, banks, unrefined components, normal help offices, a water circulation organization, broadcast communications, contamination control offices, and innovation reinforcement administrations. As per this, the concerned State Legislatures should pick proper destinations in country or immature regions, fortify task proposition, and get a SIDBI project examination. Except for land costs, the construction of an IID Centre is projected to cost Rs. 5 crores, which will be split equally between the Indian government and the Small Businesses Enhancement Bank of India (SIDBI) in a 2:3 ratio. The North-East Area's offer reason is 4:1.

Reserves assigned for 1997-98 were Rs. 15 crores, for 1998-99 Rs. 24 crores and Rs. 15 crores for 1999-2000. As on date 52 IIDs have been endorsed, out of which 5 have been formally deserted, 47 IIDs are at different phases of execution. Up until this point an amount of Rs.2725.28 Lakhs has been delivered as government award for this reason.

It is predicated on the creation and best utilization of biomass, and it might just end up being an elective course for industrialization. In opposition to the customary way of thinking in regards to house and rustic enterprises, utilizing a plant's whole life cycle — from "leaf to root" — and consolidating it with mechanical progressions will assist with boosting asset returns, make extra salaries, occupations, and value, and keep individuals in provincial regions as opposed to uprooting them to metropolitan ghettos. "Advancement isn't improvement of things, yet advancement of individuals, their intrinsic genius and capacities, bringing about expanded business, efficiency and further developed pay circulation" - - Prof. Y. Nayudamma.

Positive Effect of Industrialization:

- ***Minimal expense of creation:*** The expense of delivering various vital things has diminished because of the improvement of businesses. The economy of enormous scope creation made the expense lessen. It empowers work and time investment funds. The expense of modern things has diminished for the typical individual.
- ***Independent:*** Preceding autonomy, we burned through a huge number of rupees solely on the import of dress since we missing the mark on

obvious weighty industry. We are presently ready to create clothing at an impressively less expensive expense thanks to the improvement of the material area in our country. We became independent in gathering our crucial necessities along these lines.

- ***Business:*** Enormous ventures need huge number of gifted and semi-talented laborers. It gives huge work an open door to an enormous lump of individuals.
- ***Further developed Agribusiness:*** In the cutting edge age effective horticultural framework is that, which is finished with the assistance of machine and mechanical gadgets. For this reason, we need to embrace the most recent Modern framework.
- ***Guard and security:*** However we should stay up with the walk of time. We need to safeguard our country against unfamiliar animosity. We should make most recent weapons, for it is generally rash to rely on unfamiliar guide for safeguard of one's country.

Conclusion:

Schooling that spotlights on work for all classes of individuals instead of simply the most distraught increased their expectation of living through India's rustic industrialization, which additionally gave a few independent ventures to their endurance, especially for ladies, is implied by improvement. This adds to the advancement of India by further developing business open doors, asset use, and pay in little districts also.

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Contribution and Influence of Women in Indian Freedom Struggle: Overview

Prof. Dr. Arun Govindrao Mitragotri
Department of English, Chh.Shivaji Night College of Arts & Commerce, Solapur
Corresponding Author- Prof. Dr. Arun Govindrao Mitragotri
Email: –agmitra66@gmail.com
DOI-10.5281/zenodo.10527328

Abstract:

The study of these women is not only the study of the Indian independence movement occupies an important pave in history .It is observed that Indian dependence movement continued take place from 16th century to 20th century. The struggle that took place in this freedom movement was limited to England and India but it was wider. It can be seen as challenge given to western culture which put scientific approach moving towards a new era, democratic thinking. This struggle was not only at the political level; it was religious, social and especially economic. In the Indian freedom struggle, women contributed to the freedom movement in the way of independent soldiers, strike, marches, some women did not take path of peace to get India's freedom; they took the path of armed revolution as they took the path of bomb attacks, guns and fought shoulder to shoulder with male revolutionaries. The paper aim at understanding the reality from women's point of view can make a difference in the study of women's contribution, evidence and knowledge about women is available through the study of different discipline. Today there is a great awareness in social sector and due to this there are various social movements flourished. Through social movements women have created their own identity in various sectors. Women became self-reliant and abandoned past customs; traditions which were dominate in the society because of social movements. Women's contribution was increased in freedom movement due to Gandhi's non-violence movement Empowerment plays an important role to become women self-reliant. Due to Empowerment woman became aware about her rights and her self-respect and she learns how to live as an individual in spite of women. Women are not a property of men she is an efficient citizen of the country. She has become familiar with her pride and she understood woman is not property of men through women's social movement. Word feminism is taken from Latin language. The meaning of this word is that there is no sex discrimination and believer on gender equality. Women's contribution was increased in freedom movement due to Gandhi's non-violence movement Women's contribution was increased in freedom movement due to their personal lives but also the transition of the freedom struggle, the ups and downs, the challenges ,the crisis, the transformation of the freedom struggle, the efforts that these women have successfully overcome. A study of history allows one to read about the treatment women have received till date. From such a study comes the idea of why women remain neglected in the family regarding the right to food, health, freedom of decision. It is need of time to look at the glories of women who achieved a lot in their lives by participating in the freedom,

Key words: freedom, rights, empowerment, feminism, movements, contribution, influence

Introduction:

While studying the contribution and influence of women in Indian history, studying the qualities of courage, valor, generosity, decency etc of the historical women through rare documents, tracing the events in the lives of women freedom fighters and revolutionary women in India. Literature contributed a lot develop women's movements. A lot of literature was written in the stream of awareness and the same writing influence of to the movements. Through folk songs of Bahina Bai Choudhari depicted the situation of women. Dr. Shrikant Gaikwad said that through various forms of literature like short stories, novels, drama, and autobiography etc. handled various problems and focused on evil traditions and customs of society because of that various laws were made. There are many reasons behind the women's movement in 20th century. Various issues were handled such as problems of women labor to Rape of women, dowry system, sati, sex diagnostic test. Ghanshyam Shah said that, the main goal of the women's movement is to create the truth of gender equality.'[1] From 1975 to 1985, during the International Women's decade. The women's movement expanded in Maharashtra. She reached out to all the common people with the help of strong ideas. The leadership of the women's movement has remained mainly with the middle class. The Indian women's movement did not form an independent political party like the western women's movement. Many objections are leveled at the women's movement, saying that the movement was led by political parties or separate groups of women.

Word feminism is taken from Latin language. The meaning of this word is that there is no sex discrimination and believer on gender equality. Feminist movement should be achieve in the real sense .it should not be for philosophic purpose and only for talking. In the opinion of prof. Chhaya Datar, a student's of feminism and senior activist. Any unit of society understanding injustice on them, when they come together and trying for fundamental change this stream is known as movement. At the beginning of 20th century, Women were participated in lokmanyaTilaks four point formula. Jyotiba Phule and Savitribai Phule took a revolutionary step for emancipation of woman through giving a preference for women's education.

Women's contribution was increased in freedom movement due to Gandhi's non-violence movement. Women's organizations were established because of social, political awareness Women's contribution was increased in freedom movement due to Gandhi's non-violence movement. As well as women gave a lot of response to Patrisarkar in satara district.[2] Women not only involved in social activists but revolutionary activities also. Leftist movement, Labor movement, Student movement , Dalit movement etc. Opened the doors to many women activists in Maharashtra. Women were actively participated in movement in Mumbai which was happened during 1919 to 1923 for women's voting right. Because of this awareness among the women we see the result like regional women organization in Maharashtra, Women's national mandal and all India women conference. [3]Women's organization become the mild-stone to give property right to woman marriage act, spread of education among the women and emancipation of them from traditional customs. After 1940 premabaikantak, Parvatibai Thakar, Padmavatibai Eirolkar etc. Established women's own origination in congress. The organizations which were established at that time were less aware about the problems of the poor and women labor in rural area than the problems of from urban area.

Women's involvement was the mild stone in freedom movement. They were participated in freedom movement inspiring with some specific goals. women's movement was no other than freedom movement. Till that time spread differently. But even though in pre-independence she had accepted as an individual and had given right to live. It was realized and given an importance to gender equality and women's individual freedom in the same period. 1970 was decade of change on national-international level. Socialist women organization and other women organization untidily established The Samajwadi Mahila Sabha and other women's organizations came together in Mumbai on 13th sept 1972.[4]they formed the ' Mahagai Pratikar Samyukta Mahila Samiti'. In it many brave women on the front line in 1975.This year was declared as international women year by UNO. Due to this Indian women became well familiar with the ideology of western women emancipation movement. International women's confreres were organized during 1975 to 1985 at different places in Mexico, Copenhagen, and Nairobi gave strength to women's movement. Taking inspiration on this many feminist groups and organization established. Feminist and liberating thoughts gave them on ideological establishment. If there is natural difference between men and women .In the opinion of feminist there is natural difference between men and women but actually society and culture decides the he status of men and women.

This is the structure of feminism as well as the concept of 'Lingbhav' in the social sciences. That is why feminism has made the Indian women's movement realize the need to intervene in all areas. After 1975, the women's movement in India expanded, and it began to flourish. Accepting various objectives, numerous women's organizations, women's groups started working. At the very beginning, groups like Seva Annapurna Mahila Mandal started working to make women financially self-sufficient.[5] With the issue of violence and exploitation of women at the center, feminist organizations like Katikari Mahila Sanghatana, Stree Aadhar Kendra Mahila Dakshata Samiti, Men against Violence and Abuse etc. started working. At the same time, the women's fronts of the Left parties like Akhil Bharatiya Mahila Federation Samajwadi Mahila Sabha, Janwadi Mahila Sanghatana also started working harder. Not only had that, in 1980, all these women's organizations formed a platform called Stree Mukti Andolan Sampark Samiti.

Although women's organizations in other states have been given material lessons, it cannot be said that the women's liberation movement was united. The Supreme Court's decision in the Mathura case in 1979-80, however, brought unity in the scattered women's movement. On the issue of violence against women, women's organizations across the country realized that the pain of women is the same everywhere. However, the demand for assistance in violence against women, especially in rape cases, should not be used as evidence of the sexual history of the rapist in the case, and the accused should be held responsible for proving their innocence by presenting evidence in court.[6] The Indian women's movement got a new lease of life. A glance at the rape case reveals that as long as the anti-rape movement was strong

The court's decision in this regard was also more progressive. At is why in a women movement they were an Organizational and ideological exchanges began. On the agenda of women's movement have come to the forefront in the case of lawsuits like ManjushreeSarada. Accidents in the home, especially in the kitchen, are not only private but also public, which is private.[7] The Hundabali movement succeeded in proving that the hands of the groomsmen and the instant money were the reasons for the Hundabali movement. Is done. However, there were limits to the movement in bringing this reality to the fore.**[8]** The Kutumb sanstha is an institution that oppresses and oppresses women and needs to be examined.

As a result of this movement in Maharashtra, women activists from Maharashtra, especially in Mumbai, who were at the forefront of the anti-HUDA movement in 1984, raised another important issue. The traditional mentality that a boy is the lamp of the year, the basis of old age and a girl is the wealth of another has been added to the modern technology. . Many women's organizations have been formed against feticide and amniocentesis. The Pregnancy Testing Opportunity Camp was set up in Mumbai in 1984 with the participation of a number of women's rights groups, groups working for health and science. He worked tirelessly on this subject at various levels Started.

Raising awareness about the consequences of declining female birth rates, pushing for legislation to prevent it. Such an all-out effort began. The omnipotent effort to bring pressure on women to legislate began. In response, the Government of Maharashtra enacted the first law in India in 1988 prohibiting genital mutilation. Even the Supreme Court has recently given some directions in this regard. The question of actual genital mutilation is somewhat delicate and complex. Women have the right to choose the abortion on their own body and hence they have the freedom to decide on abortion but at the same time in established society women cannot decide independently. That is why they fall prey to genital mutilation and abortion. This is a very balanced role played by the Indian women's liberation movement.

The Eksangh movement has split by setting up separate women's fronts for women. Devadasi practice is not closed. Therefore, the progress of the Indian women's movement has been slow and uneven. Protesting women are being looked down upon. The politics of caste, religion and party has infiltrated the women's movement. Although the women's movement has succeeded in some issues like equal pay for equal work, hood ban, age of marriage of girls, many questions are lingering in the flaws in the law. Unity is needed to make the women's movement more militant and comprehensive. Disagreement in the male-female relationship, imbalance is created out of injustice against women. The society is not ready to take notice of this but the challenge of inculcating this idea is also before the women's movement.

Objectives:

- To spread awareness of women's' participation in Indian freedom movement.
- To create interest in reading history of women's participation in Indian freedom struggle.

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Importance Role of Library in the augmentation of Quality Education and Research Perspective: An Overview

Dr. Nagesh Sambhaji Gaikwad
Associate Professor, Department of English,
Chh. Shivjai Night College of Arts and Commerce, Solapur Dist. Solapur
Corresponding Author- Dr. Nagesh Sambhaji Gaikwad
Email: profnagesh2017@gmail.com
DOI-10.5281/zenodo.10527336

Abstract:

This research paper attempts to show the importance of library in the development of quality education. It is a very essential benchmark. It also having the important role played by the library Books alone do make library. Having good collection of books also is not enough to ensure the successful working of a library. The success of library depends upon the library staff and who are responsible for its use and fulfilling the objective of the library. Some of the well-known author defined that "Library as Open window, through which we can see the whole World."

Key Words: Library, Excellence, Quality, Benchmark, augmentation etc.

Introduction:

Libraries have played vital part of World systems of communication and education. Librarian has reached a stage where the ability of a library professional to obtain, collect, process and display the right information for the right user is an important factor The college library is one of the most important learning resource centre.

Education , particularly in higher education is perhaps the only answer to meet the challenges of knowledge based economy that needs different set and levels of knowledge and skills than mere literacy and the traditional academic skills. Some of the latest technology we are adopted in the age of digital. In the age of advancement in Internet technology has revolutionized information technology. It has influenced the methods and approaches in the education.

Application of ICT in the Library: Education, particularly higher education is perhaps the only answer to meet the challenges of knowledge based economy that needs different set and levels of knowledge and skills than mere literacy and the traditional academic skills; hence our college is giving more and more stress on application of ICT in the library

1) Computer Technology: Library has separate Network having 2 Servers and 31 nodes. Computerization of library is already completed by using SOUL software. Internet as well as Intranet facility is made available through of Wi-fi technology. Well-equipped computer lab and E-learning centre and multimedia facility.

2) Bar-coding Technology:- it is another development in the fields. Generated barcodes for books and users. Barcode readers are used for the transaction of books.

3) Communication Technology: Government sponsored training and social welfare programmes are telecast through video conferencing. We run online MPSC and UPSC competitive guidance programmers. Virtual learning Centre is established in collaboration with ISRO and Edusat.

4) Closed Circuit Television system: In the library Campus installed of C.C.T.V. system and three control units for overall supervision. This control unit has two way audio communication systems.

5) Online Resources: The library has signed the MoU with DELNET and Extended following facilities to the users for e-resources. Interlibrary loan , union catalogue& databases , Thesis and Abstract and full text data base.

6) Best Practices: This new system adopted in the library . NAAC enhance the quality of education in the field. Our college adopted the ideology. Some of the following practices implemented as follows- Inclusion of Information about the library in the college prospects, News paper clipping Service, Career and employment information services, Book Exhibitions on social occasions Celebrated the National leaders Birth Anniversary and Death Anniversary. Best Reader, Best Library user in the every academic year. This helps updated the library service.

Human Resource Management: The main objective of this paper is to show the role of library professional in the enhancement of quality education and research. The Library has its advisory committee consisting of Chairman, four to five senior member of teaching and research from different streams and . This is an important in the development of the library. As per guideline of NAAC expected well advance library. It is an also important to complete need of the students. It is having generosity. This committee serves as an interpreter of the requirement of the library to the users community and provides support to the librarian and to take important decisions for the benefit of its users and responsibilities of the committee . Apart from the they also participate in the activities of the college library. They train the students in curricular and extra-curricular activates of the college. They give guidance to participant in university, state, interstate and national level competitions. They assist students to find out the required information by searching websites on the internet for updating their knowledge in various fields. The morale of library staff is high because all of them are dedicated employees. It is matter of great pride for us that research projects have been submitted on the library management and services by PG students of library and information science.

The college motivates the professional library staff to enhance their qualification and develop exercise in the conventional and the e-library associated services. The college provides in-house training for non-professional library staff to maintain conventional system of library and to learn basic of computer including familiarization of library-software. Special in-house training programmes have also been organized for the staff members to familiarize with self development programmes like yoga, health and personally development . The college library is already computerized. Library staff are provided with opportunity to improve their qualifications to update their knowledge about the new and emerging trends in the field of library and information science.

The staff of the library well-trained. Some of the well advance national network through INFLIBENT for the bibliographic database and infonet centre. The server would be consisting of various e-books and E-journals . To the development of the staff is also important in the knowledge resource centre. To develop digital library by collecting readymade electronic databases by means of CDs and by downloading free electronic databases from the internet. To develop digitization infrastructure to digitize rare books and important documents using scanner, camera and Dublin core metadata etc. Basically research is systematic and controlled investigation of the facts, ideas and issues by using empirical verified hypothesis. It is empirical and critical investigation of hypothetical propositions about the presumed relations among natural phenomena. Since it involve experience and critical reasoning, it may be regarded as the most successful approach in the discovery of truth. Research is also defined as an investigation or understanding an issue or asking and answering complex question or solving a problem

Conclusion:

Library is potential independent unit for achieving academic excellence. Library professionals are the catalytic agents to render effective services. The efficacy of librarian depends on his intellectual calibre and dynamic leadership and training and motivating professional and semi-professional staff to render better service to the user members of the library. The librarian has to update his knowledge to cope up with the scientific and technological development . The team spirit and dynamism of the library professional will definitely help in the enhancement of quality education and research.

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Cultural and Social Conditions of Jogyara Women

Ambakka B. Malagara[1], Prof. Laxmidevi Y. [2]
[1]Research Scholar, Ahalyabai PG Centre for Women Studies, and Extension Centre, Akkamadevi Women's University Vijayapura
[2]Research Guide, Ahalyabai PG Centre for Women Studies, and Extension Centre, Akkamadevi Women's University Vijayapura
Corresponding Author- Ambakka B. Malagara
DOI- 10.5281/zenodo.10527366

Introduction

Social conditions play a vital role in understanding the existing circumstance, situation, welfare and relations of human beings in community. As a matter of fact, social conditions represent the culture of a community. Jogyara, a semi-nomadic community in Vijayapura district in Karnataka, is still following its traditional customs and rituals. The women of this community are still lagging behind economically despite welfare measures. The rituals of this community are simple and unpretentious. Birth Ceremony: Seemantha (an auspicious ceremony conducted to seek the blessings of the God for the safe delivery of the baby) ceremony is conducted in 5th or 7th month of the pregnancy and the naming ceremony of the baby is conducted after twelve days of the birth. During the Seemantha ceremony, a food item made from mixture of flour without adding sugar to it. This item is shaped into a ball stuffing a wool thread, turmeric, areca nut, piece of coconut. This is given to the pregnant woman and she has to break into two halves. It is a belief among this community that if the pregnant lady finds a wool thread in the ball shaped food item after breaking it into two halves, she would give birth to a baby boy and if she finds other items she would given birth to a baby girl.

The Jogyara women do not have very strict customs as regards the menstruation. They do not demand the menstruating girl to stay at a temporary hut erected outside the house. A menstruating girl is given a bath on the fifth day either by a woman member of the family. A sweet porridge is served to the community members to mark the occasion and new clothes are offered to the girl. Marriages are usually held within the community and most marriage ceremonies are simple. There no practice of dowry system in this community. The marriage expenses are born by the both sides equally. Moreover, the members of this community prefer mass marriage ceremonies.

The members of this community do not follow legal age for marriage though they hesitate to disclose it with others. They believe that a girl is married off at any age if the horoscope of the girl matches with the suitable boy. Boys are not married off till they get settled while girls are married off at the age of 15 or 15. After the finalization of the marriage alliance, a sheep is offered to their house deity and turmeric powder is applied to the boy and the girl.

There are no concrete evidences as regards the origin of the Jogyara community as research studies on this community are very scarce. Seniors of this community say that they are originated from Maharashtra but they also say that their ancestors belonged to Basavana Bagewadi, Muddebihala, Indi and Sindagi taluks in Vijayapura district. However, Marathi is their mother tongue. Women of this community have migrated to different places in search of food and work. They can be identified by their occupation. They are largely found in Karnataka and Maharashtra. Besides Marathi, these women are fluent in spoken Hindi and Kannada languages. In Vijayapura city, the members of this community are largely concentrated in Zorapurpet, Kumbar Galli and Gundu bawdi areas. The male members of this community are not as hard working as female members. They make small metal boxes and keys. The females go door to door to sell their products. Rabindranath Tagore has observed that It is evident that individuals relate themselves with the piece of land that they live and revere the same tangible proposition by putting it on the high pedestal. This sense of identity ushered in beginning of the nineteenth century vitalized the Indian writers of literature to imagine cultural state through prevalent contemporary nationalist fervor in their fictional and poetic works. In the writings of Tagore an attempt to connect nation, nationalism, culture, and humanity is reverberated. By connecting the different ideas like culture, religion and nation, Tagore displays the intricacies existing among social group that has resulted in the man-made institutions like religion, nation, and culture (Dr.K.Krishnappa, Samskruthiya Antarshisteeya Nelegalu, with reference to Hosakote aluk, Page3, 2008).

Objectives

1. To know the social, cultural and health conditions of Jogyara community women.
2. To know the role and status of Jogyara women in traditional occupation.

Noted scientist Edison has remarked that the biggest weakness of the man is to not to make an attempt to succeed. This observation can be applied to women empowerment. Women's Day is celebrated globally on 8 March every year in honor of their remarkable contribution to our society. The day also commemorates the inspiring role of women around the world to secure women's rights and build more equitable societies. Women's Day also remembers the voices of many women that go unheard and who continue to be dominated from securing their rights and realizing their full potential. Woman – the power to create, nurture and transform! The word 'woman' conjures up the images of selfless love, care and affection. At the same time, women ignite the spirit of power and hope. Unfortunately, across the world, women had to fight for their independence and protection of rights. Since decades, women had struggled and are still fighting to express their right to speech, to vote, to equality, to education, to income and most importantly, to freedom. International Women's Day honours the women who have paved the path towards our progress and struggled to take 'womanhood' to a level where it is now. Unfortunately, at the same time, the day is a reminder of the discrimination and inequality that still continues to plague our society. This special day, dedicated to women around the world, is a celebration of the great success of women across all spheres of life as well as shaping the future.

Several resolutions to protect women's rights have also been passed globally, which has opened up broader avenues for the growth and development of women in our society. Women's Day also celebrates the role of women as a daughter, a wife, a mother, a sister and a homemaker. The day honors the voices that go unheard, the rights that are dominated and the tears that go unnoticed. Even today, there are millions of women around the world who are either speechless or are struggling hard to secure their rights. The discrimination and inequality is still every prominent, especially in developing and backward country. Despite all pessimism, International Women's Day is a special day dedicated only to women and their role in our lives. Culture and ethnicity has given a new dimension to this day where the tradition of gifting presents to women is popular in some countries. Personalized gifts and greeting cards dedicated to Women's Day have become exceptionally popular today. Many people think it is the ideal way to express their love and gratitude for women in life. Though, the true essence of the day lies in identifying the rights and power of women and giving them a stature that they deserve.

Methodology

The present study has selected five taluks of Vijayapura; Vijayapura, Sindagi, Indi, Basavana Bagewadi and Muddebihala. The author of this paper has prepared a comprehensive questionnaire to know the contemporary conditions of Jogyara community women. A detailed manual comprising the occupational details of Jogyara women would be prepared. For this, a total 0f 200 women would be interviewed. Status of women in India is higher and better than many of their counterparts, including several other developing nations of the World. Still, there is room for more improvement in raising the status of women in India. There are evident how several women of middle-class society in India are conscious of their privileges and rights and have undergone an economical and vocational transformation in recent years.

Many women in Indian society are employed successfully in several sectors, and many of them also occupy senior positions in the business or administration. Even after the marked change in women's economic and social status in India, they still undergo a lot of burdens as they have to work outside and maintain household chores. India still comes out as a patriarchal and male dominating society. Women of society still have to depend somewhat on a male to seek protection and help in various life stages. Men are still regarded in Indian society as superior to women of society. Furthermore, in many families, the birth of a son is considered as an honored privilege. Today, if the situation of women is compared to hundreds of years ago, it seems that women are fulfilling their dreams at a much faster pace than before. But in actual perception, the development of women does not appear in all directions, especially in rural areas. Even after standing on their feet, women still have to go a long way in breaking the fairs of society. Even today, it is impossible for women to avoid discrimination for women. It seems that it can take a lot of time to fill this gap between a man and a woman.

Study Area

As per the estimates, there are 500 households of Jogyara community in Vijayapura district. The women of this community have stayed away from the mainstream education and are continuing with traditional occupation. The present study is limited to Vijayapura district and intends to investigate social, economical, cultural and educational conditions of this community. The women members of this community are focused in this study. A total of 200 women of this community would be interviewed in the study area. Women make family, family builds home, home becomes society, and society creates a nation. Its direct meaning is that women's contribution is everywhere, it is useless to imagine society by ignoring the capacities of women. Without education and women's empowerment, there can be no development of family, society and country. The woman knows how and how to deal with her problems. If necessary, just give your dream freedom. We have seen women in different forms like sisters, mother, wife, daughter etc., who is ready to increase respect for the family at all times. Even in urban areas, the situation is not so bad, but the situation of women in rural areas is worrisome. Due to the lack of proper education system, the situation of women has become pathetic: A woman gives birth to a child and plays his entire responsibility towards that child throughout life. In return, she does not ask anything and completely fulfills her role without tolerance with logic.

Conclusion

Jogyara community is the most backward community though the members of this community are well versed in professional skills and worldly knowledge. They contributed to the Indian culture with their unique knowledge of skills. They are excellent in making metal, copper and bronze products as well as marketing their products. The hard work of the women of this community is on par with any professional group of contemporary world. The women of this community are the backbones of their family. They have been given freedom to roam around market and mingle with all kinds of people which is not a practice in other communities. But the women of this community need education in order to come to the mainstream of the society. Hence, the present study intends to investigate the social, economical, cultural and educational conditions of the women of this community.

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Revolutionizing Libraries: The Transformative Impact of Information and Communication Technology (ICT)

Mr. Rahul Parashuram Sardesai
Vivekand Mahavidyalay, kolhapur
Corresponding Author- Mr. Rahul Parashuram Sardesai
Email: rahulsardesai4634@gmail.com
DOI-10.5281/zenodo.10527400

Abstract

This research paper explores the profound influence of Information and Communication Technology (ICT) on modern libraries, reshaping their roles and functionalities in the digital era. ICT integration has revolutionized library services, significantly impacting information dissemination, accessibility, and user experiences. The study examines various facets of this transformation, emphasizing key areas where ICT has brought substantial change. It explores the implications of digital preservation, emphasizing the impact of ICT and challenges faced by libraries in the successful implementation of ICT.
Keywords: Information and Communication Technology (ICT), modern libraries, digital, technology, library management, education, e-books

Introduction

Throughout history, libraries have served as essential learning institutions in our society. They've been pivotal spaces facilitating the interaction between humans and information, addressing both informational and social needs. Vital for a nation, libraries have safeguarded cultural heritage. In today's era, characterized by an overflow of information, libraries continue to play a crucial role. They assist society by curating and distributing pertinent information promptly as needed.The emergence of new information channels, notably web-based resources, has significantly transformed both the function and structure of libraries. Presently, individuals across all segments of society regardless of age, occupation, or background ranging from children to adults, educators to policymakers, entrepreneurs to homemakers, actively utilize and rely on library services. In this information-driven era, libraries store a wide array of materials encompassing both traditional printed resources like books, journals, and newspapers, alongside unconventional documents like maps, charts, and other non-print materials, consolidating a diverse collection within their repositories.

In an era defined by the rapid evolution of technology, libraries stand at the forefront of transformation, adapting to the digital age through the integration of Information and Communication Technology (ICT). The emergence of ICT has ushered in a new chapter in the history of libraries, reshaping their fundamental roles and revolutionizing the way information is accessed, disseminated, and utilized.Traditionally regarded as repositories of knowledge, libraries have evolved beyond their physical confines into dynamic information hubs, propelled by the infusion of technology. ICT has become the cornerstone of this metamorphosis, catalysing a paradigm shift in the way libraries function, serve their patrons, and contribute to the communities they engage with.

Literature Review

ICT have the potential to offer libraries and librarians the tools and techniques with which they can provide effective and better services to the users. Authors in their paper highlighted changing dimensions of library services and challenges libraries have to face in the implementation of ICT(Sood, 2016). Authors in their paper delves into various dimensions of Information and Communication Technologies (ICTs), shedding light on their role within libraries and underscoring the significance of comprehending their utilization to enhance library services and cater to users' informational needs. The study emphasized the potential applications of ICT within different realms, elucidating diverse technologies and their integration into library operations. It outlines how technologies like RemoteXs, RFID Technology, QR Codes, and others prompt improvements in library services(Kumar, 2017). Authors in their paper discussed about Role of the libraries as information resources in globalization. They also highlighted the problems faced by the Library & Information Service (LIS) sector in India and achievements over the years using modern information technologies(Pareek & Dr. Anita Gangrade, 2016).The author conducted a questionnaire survey to examine and compare how ICT influences the training of library personnel in two university libraries, one in India and one in Iran. Statistical methods, both descriptive and inferential, were employed to analyze the gathered data.The results indicated that while both Indian and Iranian library staff acknowledge the demand for training due to the implementation of ICT in libraries, those from Iran perceive this impact on their training needs more significantly than their Indian counterparts. Consequently, the article concluded that university libraries in both countries should prioritize providing ICT training for their staff(Tajafari, 2012).In the examination of information technology's role in educational media libraries in Delhi, the author noted the necessity of training library professionals to effectively utilize ICT-based resources and services(A, 2004). Author emphasized the requirement for an ongoing, in-house training program for librarians to stay abreast of information technology advancements(Moarefzadeh A & Sannei D P, 2006). The author highlighted that IT has instigated numerous transformations in LIS education and the profession. To adapt to technological advancements and effectively handle the associated changes and demands, continuous training and development in IT skills are imperative for library professionals. Given the swift pace of IT-induced changes, it's crucial that this training empowers them to enhance their job performance(Sahrma P L, 2002).The author critically examined the library education and human resource training concerning information and computer technologies across twenty-one Nigerian university libraries. The findings revealed that a substantial number of academic librarians and other staff in libraries lacked computer literacy(Ajidahun C O, 2007).

Objective of Study

- To study the specific ways in which ICT has transformed library services
- To list out several challenges before library for ICT implementation

Research Methodolody

This study employs a comprehensive review of secondary resources to investigate the transformative influence of Information and Communication Technology (ICT) within library systems. The methodology involves a systematic search and selection process utilizing established academic databases and library catalogs, including PubMed, IEEE Xplore, JSTOR, and relevant institutional repositories. Inclusion criteria encompass peer-reviewed articles, books, reports, and conference proceedings published within the last decade, focusing on the integration of ICT in library services. Data collection involves the identification and retrieval of pertinent literature, which will be organized thematically to discern patterns, trends, and key insights regarding the evolution of library services driven by technological advancements.

Impact of ICT in Library

Undoubtedly, Information Technology (IT) has been a catalyst for revolutionizing the field of library and information science. It's evident that essential library activities such as acquiring, organizing, and disseminating information rely heavily on computer, communication, and reprographic technologies. This integration has significantly enhanced various user services, including reference assistance, bibliographic support, referrals, online catalogs (OPAC), keeping users updated with current information, document delivery, personalized information dissemination (SDI), barcode-based systems, user training initiatives, resource sharing, and numerous other services. These advancements have eliminated barriers, enabling scholars, researchers, and library users to access the information they need seamlessly. The application of IT within library and information centres has been pivotal in facilitating these diverse services, effectively meeting the needs of information seekers without hindrance.ICT has profoundly transformed libraries, revolutionizing their services, functions, and accessibility. Libraries now offer extensive digital collections and resources, providing 24/7 access to information through advanced search capabilities. They support remote learning, engage in global collaborations, and personalize services based on user preferences. ICT enables data-driven decision-making, digital preservation of materials, and community engagement through virtual platforms. ICT implementation has significantly enhanced library management processes in various ways:

Efficient Cataloging and Classification: Digital cataloging systems automate the process of cataloging and classifying resources, reducing manual labor and errors in organizing library collections.

Streamlined Circulation and Inventory Management: Integrated library management systems (ILMS) automate tasks like tracking borrowed items, managing due dates, and maintaining inventory, leading to more efficient operations.

Resource Discovery: Online databases and search tools powered by ICT enable faster and more accurate resource discovery, benefiting both library staff and users in locating materials.

Data Analytics for Decision-Making: ICT tools provide libraries with data analytics capabilities, enabling them to gather insights into user preferences, resource usage patterns, and trends to make informed decisions about collection development and services.

Digital Archiving and Preservation: ICT facilitates the digitization of materials, enabling libraries to preserve rare or fragile resources in digital formats, thus ensuring their longevity and accessibility.

Remote Access and Services: ICT allows libraries to offer remote access to resources, services, and administrative functions, enabling users and staff to operate efficiently from any location.

Efficient Communication and Collaboration: ICT tools such as email, intranets, and collaboration platforms improve communication among library staff, fostering better coordination and teamwork.

Automation of Administrative Tasks: ICT automates routine administrative tasks such as issuing library cards, managing fines, generating reports, and handling interlibrary loans, freeing up staff time for more strategic activities.

Accessibility and User Services: Digital platforms make library services accessible to users with disabilities by providing assistive technologies and customizable interfaces for improved accessibility.

Cost and Resource Optimization: ICT implementation can lead to cost savings by optimizing resource allocation, reducing paper-based processes, and improving overall operational efficiency.

Challenges on Implementing ICT in Libraries

Implementing ICT in libraries comes with several challenges:

Financial Constraints: Procuring and maintaining ICT infrastructure requires substantial investment, which many libraries, especially smaller ones, might struggle to afford.

Digital Divide: Not all users have equal access to technology or possess the necessary digital literacy skills, leading to disparities in accessing and utilizing ICT-based resources.

Technological Obsolescence: ICT evolves rapidly, and libraries might face challenges in keeping up with the latest technologies and updates, leading to potential obsolescence of systems.

Training and Skills Gap: Library staff might require training to effectively use and manage ICT resources. Bridging the skills gap and ensuring continuous training becomes essential.

Security and Privacy Concerns: Handling sensitive information in digital formats raises concerns about data security, privacy, and protection against cyber threats.

Content Management: Curating, organizing, and managing digital content effectively poses a challenge, especially when dealing with vast amounts of diverse digital resources.

User Expectations: Meeting diverse user expectations in terms of access, usability, and interface design poses a challenge, especially as user preferences evolve.

Infrastructure Limitations: Some libraries might lack adequate infrastructure, such as high-speed internet or power supply, hindering the implementation of ICT initiatives.

Addressing these challenges requires strategic planning, ongoing investment, staff training, user education programs, and partnerships to ensure successful ICT integration in libraries.

Conclusion

In conclusion, the integration of Information and Communication Technology (ICT) has fundamentally reshaped the landscape of libraries. It has facilitated unparalleled access to information, expanded collections into digital realms, and redefined how users interact with library services. With 24/7 accessibility, personalized offerings, and global collaborations, libraries have evolved to meet the diverse needs of users in a digital era. The transformative power of ICT in libraries not only enhances efficiency in managing resources but also strengthens their role as hubs of knowledge, learning, and community engagement. As libraries continue to innovate and adapt, ICT remains pivotal in their journey toward sustained relevance and service excellence in the modern age.

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Understanding the proximal factors associated with Students attitudes towards intimate partners in Gujarat

Ketal Vadhel[1], Bigi Thomas[2]
[1]Affiliation (Department, Institution), S.P. University, VVN, Gujarat, India
[2]Department of Social Work, S.P. University, VVN, Gujarat, India
Corresponding Author- Ketal Vadhel
DOI-10.5281/zenodo.10527417

Abstarct:

Intimate partner violence (IPV) is a widespread and serious problem that affects the health and well-being of women in India. However, there is limited research on the factors that influence women's attitudes towards IPV, especially in the state of Gujarat. The study aims to have a better understanding of Female Students' Attitudes toward intimate partner violence & to explore the relationship between female students' socio-demographic characteristics and their attitudes toward intimate partner violence.A multi-stage sampling method was used in this study, and altogether 288 female students were randomly selected from the colleges in Gujarat. The results show that most sexual abuse seems to be strongly associated with domains of social demographics, namely age, religion, marital status, course of study, and stream of the study; physical abuse is linked with marital status and stream of the study. The study highlights the need for culturally sensitive and context-specific interventions to address the underlying causes of IPV and to promote positive attitudes towards gender equality and women's rights among women in Gujarat.
Keywords: Intimate partner violence, Female students, Attitudes, Sexual abuse

Introduction

Intimate partner violence (IPV) is a significant worldwide social and public health concern affecting millions of individuals worldwide. Any form of abuse that takes place between current or past intimate partners, including physical, sexual, psychological, and financial abuse, is referred to as IPV. Violence is a very common thing against women worldwide is intimate relationship violence (IPV). It is defined as an intimate partner or ex-partner who engages in physical aggressiveness, sexual abuse, psychological misuse, or protective nature and results in harm to the victim's bodily, sexual, or psychological well-being [1].According to the UN, violence against women is "any form of gender-based violence that can result in or is likely to result in physical, sexual, or psychological harm or suffering for women." Threatens such action are including in this, using coercion, or unfairly denying someone their freedom, whether in a public or private environment [2].

According to several studies, social attitudes that justify and/or embrace IPV are to blame for the issue's increased prevalence in certain emerging nations or specific locations. The women there might be more aware of the problem and less willing to leave a violent relationship if it were to harm them. [5][8][20][22].In addition to probable socioeconomic factors influencing IPV rates, studies show that "Childhood victimization and domestic violence are highly correlated" and that women injured by childhood trauma may experience long-lasting negative effects. [18]. These beliefs play a role in shaping the social environment in which IPV against women occurs, either promoting or discouraging such violence. **(Carlson et al. 2005 & Copp et.al.2019)**According to research, opinions toward intimate partner violence and the likelihood of marital misuse are strongly correlated. One of the main markers of intimate partner violence (IPV) is one's attitude toward it, according to **Gage et al. (2006) and Jewkes et al. (2002)**. The likelihood of spousal abuse is strongly correlated with attitudes regarding intimate partner violence, according to **Doe (2000) and Straus (2004)**. **(Straus's 2004)** According to the International Dating Violence Study's findings, as the number of college students who abuse a dating partner rises, so does the proportion of them who accept physical aggression. Women who support IPV may be more vulnerable to persistent abuse than those who do not **(Gage, 2005).** Intimate Partner Violence (IPV) is predicted by men's attitudes on accepting wife abuse, according to **Abrahams et al. (2004) and Sambisa et al. (2010)**.

Johnson and Das (2009) interviewed 2780 men in Bangladesh and discovered that the best predictor of violence was having positive feelings concerning wife bashing. According to the study, men who approved of wife beating had a roughly four-fold higher likelihood of reporting recent domestic abuse than those who did not. Intimate partner violence acceptability within a community can be used as a barometer for social, cultural, and behavioural change taking place there as society moves toward gender equality **(Uthman et al.2009).** The majority of scholars held the belief that attitudes toward IPV played a critical role in the success of violence prevention programs **(Abrahams et al.2004 & Fincham et al.2008)**, despite some writers' claims to the contrary **(Lundgren et al.2015)** that changes in knowledge and attitudes about IPV may not always lead to changes in people's behaviour. In contrast, developing and underdeveloped nations exhibited a more favourable outlook on IPV. For instance, in a rural Uganda survey, 90% of women and 70% of men believed that IPV could be justified in certain situation **(Koenig et al.2003)**. Approximately 60.1% of men and 61.8% of women in a Palestinian refugee camp in Jordan voiced support for hitting wives, according to a study there. **(Khawaja et al.2007).** According to studies, similar rates of support for wife beating were observed in Zimbabwe (53%), Ethiopia (74%), and Kenya (62%). In another study conducted in Kenya, 85% of respondents expressed support for such beliefs. Women with lower levels of education were more likely to support Intimate Partner Violence (IPV), according to research that used a random sample of 3911 rural women from the 2003 Nigeria Demographic and Health Survey (NDHS). **(Antai & Antai, 2008)**.

Socio-demographic variable and Attitude towards IPV

Attitudes toward Intimate Partner Violence (IPV) are closely interlinked with age, gender, religion, family type, and education. Age often influences these attitudes, with younger individuals more likely to hold progressive views on gender roles and violence in relationships. Gender plays a significant role, as societal expectations and stereotypes often shape one's perspective on IPV. Religious beliefs can either promote non-violence or, in some cases, perpetuate traditional gender roles, affecting attitudes within religious communities. Depending on whether it fosters communication and empathy or normalizes violence, family upbringing can significantly influence one's stance on IPV. Education acts as a catalyst for change, with higher levels correlating with more progressive attitudes, as it exposes individuals to diverse perspectives. Recognizing these links is vital for crafting effective strategies to combat IPV, such as education programs targeting young people, engaging religious communities to promote non-violence, providing family support, enforcing legal frameworks, and fostering community interventions. By understanding these connections, societies can work towards eradicating IPV and promoting healthier, more equitable relationships. Studies have shown that factors such as age , region, education , traditional ideas, gender disparity , liberal perspectives on culture, the position of women, parental maltreatment as a child , patriarchal gender roles , and attitudes regarding IPV are positively correlated with Intimate Partner Violence (IPV).

Objectives of Study:

1. To have a better understanding of Students' attitudes toward intimate partner violence.
2. To explore the relationship between students' socio-demographic characteristics and their attitudes toward intimate partner violence.
3. To promote government policies and youth awareness programs address IPV.

Hypothesis

1. There is a strong correlation between students' opinions regarding intimate partner violence and their socio-demographic details.

Scope and Methodology

(i)Research Design

This study explains the relationship between students' social-demographic information and their attitudes regarding intimate partner violence as well as the relationship between those characteristics and those attitudes.

(ii)Universe, Sample & Sampling Frame

The current study aimed to assess the attitudes of students from Gujarat state towards intimate partner violence and their childhood exposure to gender inequality. The study used a four-stage random sampling method to select students aged 20-24 from five universities in Anand, Surat, Gandhinagar, Godhra, and Kutch districts. These districts were randomly chosen from the zones-based districts in Gujarat state. Then, one university was randomly selected from each district. Next, one UG and one PG college were randomly picked from each university. Finally, students were randomly sampled from the colleges' lists. The study applied the proportionate sampling technique to determine the UG & PG proportion.

(iii)Tools of Data Collection

The interview schedule covers all the relevant topics to collect the demographic information of the respondents. Standardized scales measured the respondents' attitudes toward intimate partner violence:

Attitudes towards Intimate Partner Violence Scale by Kai Lin et al.

Results and Discussion

The study aimed to investigate attitudes regarding intimate partner violence in Gujarat. It included three indicators: physical abuse, psychosocial abuse, and sexual abuse. The findings of the study revealed a clear variation in attitudes towards intimate partner violence in Gujarat. It was seen in the opinions of boys and girls. Age, gender, religion, family structure, marital status, course of study, and stream of study were among the socio-demographic factors investigated for the study of the respondents.

Table 1 illustrates that there is a difference in attitudes towards physical abuse in most boys and girls. According to most boys and girls, physical restraints, finger twisting, hitting, and slapping are physical abuse. These findings reflect a positive trend in acknowledging and condemning physical abuse, indicating a shared understanding among most boys and girls that certain behaviours are unacceptable within relationships. Such awareness can be a crucial step towards fostering healthier and more respectful interactions in future relationships.

Table-1 Showing Attitudes towards physical abuse of respondents

Physical Abuse	Agree(Abuse)	
	Male N (%)	**Female N (%)**
Held down/physically restrained	253(95.8)	276(97.2)
Hit or slapped or punched	228(86.4)	226(85.6)
Pushed/shoved/grabbed/kicked	155(58.7)	220(77.5)
Twisted partner's arm or bent fingers back	247(93.6)	273(96.1)
Used weapon (knife or gun) against partner	220(83.3)	260(91.5)
Threw objects at partner	140(53.0)	174(61.3)

Source by Kai Lin et al.

Table 2 shows that a majority of boy's and girls' attitudes shows (86.4 percent and 84.5 percent, respectively) that searching, damaging, or destroying a partner's property, threatening to stop giving financial assistance, or threatening their reputation are all forms of psychosocial abuse. These findings indicate a strong consensus among both genders regarding what behaviors are classified as psychosocial abuse within intimate relationships. Such a shared understanding can serve as a foundation for recognizing and addressing psychosocial abuse, promoting healthier relationship dynamics, and fostering a culture of respect and empathy among young people.

Table-2 Showing Attitudes towards Psychological Abuse of respondents

Psychological Abuse	Agree(Abuse)	
	Male N (%)	**Female N (%)**
Prevented partner from working	55(20.8)	45(15.8)
Took pay check/ Salary	32(12.1)	29(10.2)
Called names, insulted, swore at, or treated disrespectfully in front of others	94(35.6)	135(47.5)
Threatened to physical hurt	153(57.9)	208(73.2)
Threatened suicide if partner wants to leave	55(20.8)	55(19.4)
Frequently threatened to leave or divorce partner	74(28.0)	123(43.3)
Searched through or destroyed/damaged partner's things	228(86.4)	240(84.5)
Follow when she/he doesn't know it	106(40.2)	111(39.0)
Threatened to stop providing financial support	225(85.2)	231(81.3)
Did or said something to spite partner	202(76.5)	217(76.4)
Threatened reputation	227(85.9)	239(84.2)
Hurt or killed partner's pet (s)	99(37.5)	69(24.3)
Not allow partner to visit/talk with family or friends	219(82.9)	222(78.2)

Source by Kai Lin et al.

Table 3 show that many boys and girls attitudes do not support sexual abuse. The majority of boys and girls (84.1 percent and 84.2 percent) agreed that forced sex or sexual activities are sexual abuse. This consensus is a positive sign of awareness and agreement regarding the boundaries and norms of sexual consent within relationships. It signifies a shared understanding that coercion or force in sexual matters is unacceptable and constitutes abuse. Such a collective recognition is essential for promoting consent, respect, and healthy sexual relationships while combating sexual abuse.

Table-3 Showing Attitudes towards sexual abuse of respondents

Sexual Abuse	Agree(Abuse)	
	Male N (%)	**Female N (%)**
Forced sex or sexual activities	222(84.1)	239(84.2)

Source by Kai Lin et al.

Table 4 indicated a statistically significant association between childhood gender inequality experience and attitudes towards intimate partner violence.

Table: 4 Childhood Experiences of Gender Inequality& Attitudes towards Intimate Partner Violence

Gender Inequality Experiences	Attitudes towards Intimate Partner Violence		P value
	Abuse	**Not Abuse**	
Low	60	69	0.000
Moderate	70	110	
High	119	124	

P<0.05 indicates a statistically significant association.

Conclusion and Recommendation

Highlights a significant alignment in the attitudes of boys and girls regarding physical abuse. The recognition that physical restraints, finger twisting, hitting, and slapping constitute physical abuse is a promising sign. However, it is essential to continue educating both genders about the importance of recognizing and rejecting all forms of physical violence within relationships. This common understanding can serve as a foundation for promoting non-violence and mutual respect among young people. a strong consensus among boys and girls regarding psychosocial abuse, with a notable majority recognizing behaviors like damaging property, threatening financial assistance, or tarnishing one's reputation as forms of abuse. These findings suggest that there is already a shared awareness of the detrimental impact of psychosocial abuse within intimate relationships. Building upon this consensus, it is crucial to empower young individuals with tools to identify and address such abuse effectively. The reveals encouraging attitudes among both boys and girls concerning sexual abuse. The majority recognizing forced sex or sexual activities as sexual abuse demonstrates a shared understanding of the importance of consent and respect in sexual relationships. To reinforce these attitudes, comprehensive education on consent and healthy sexual relationships should be a priority in youth programs.

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Exploring the Diverse Realm of Heterocyclic Compounds: Synthesis, Characterization, and Applications in Medicinal Chemistry

Dr. Mithilesh Kumar singh
(Department of Chemistry), R. B. College Dalsinghsarai, Samstipur (L.N.M.U, Darbhanga, Bihar)
Corresponding Author- Dr. Mithilesh Kumar singh
Email: mithileshsingh957614@gmail.com
DOI- 10.5281/zenodo.10527425

Abstract:

Heterocyclic compounds, characterized by the inclusion of at least one heteroatom within their ring structures, constitute a diverse and indispensable class of organic compounds. This research paper provides a comprehensive exploration of the synthesis, characterization, and applications of heterocyclic compounds in medicinal chemistry. The synthesis section covers classical and modern methodologies, emphasizing the evolution of synthetic strategies. Characterization techniques, encompassing various spectroscopic and analytical methods, are discussed in detail to elucidate the structural complexities of these compounds. The structural diversity of heterocycles, including nitrogen-, oxygen-, and sulfur-containing varieties, is explored, highlighting their significance in pharmaceutical research. The applications section focuses on the pivotal role of heterocyclic compounds in drug design and discovery, specifically addressing their impact on anticancer and antimicrobial agents. Challenges in the field and future perspectives are discussed, providing a holistic view of the current state and potential directions in heterocyclic compound research.

Keywords: Heterocyclic compounds, synthesis, characterization, medicinal chemistry, drug discovery, structural diversity, anticancer agents, antimicrobial agents.

Introduction:

Heterocyclic compounds, distinguished by the incorporation of one or more heteroatoms, such as nitrogen, oxygen, or sulfur, into their cyclic structures, constitute a versatile and indispensable class of organic molecules. Since their inception, these compounds have played a pivotal role in the development of medicinal chemistry, contributing significantly to drug discovery and design. The exploration of heterocyclic compounds stems from their unique chemical reactivity, structural diversity, and their ability to modulate biological activities.

- **Historical Context:** The historical evolution of heterocyclic chemistry reflects its intrinsic connection to the advancement of pharmaceutical science. From the discovery of fundamental heterocycles to the synthesis of complex structures, the field has witnessed transformative milestones. The early recognition of the medicinal properties of alkaloids and natural products laid the foundation for the exploration of synthetic heterocyclic analogs.
- **Significance in Medicinal Chemistry:** The significance of heterocyclic compounds in medicinal chemistry is underscored by their prevalence in numerous therapeutic agents. These compounds serve as the backbone for a multitude of pharmaceuticals, contributing to their efficacy, selectivity, and bioavailability. The ability of heterocycles to engage in diverse interactions with biological targets makes them indispensable in the pursuit of novel therapeutic interventions.
- **Objectives of the Research Paper:** The primary objective of this research paper is to provide a comprehensive overview of the synthesis, characterization, and applications of heterocyclic compounds in medicinal chemistry. By examining both classical and modern synthetic methodologies, we aim to elucidate the evolution of strategies employed in the creation of these diverse structures. Furthermore, the characterization techniques explored in this paper will shed light on the tools used to unravel the complex molecular architectures of heterocyclic compounds. Finally, the paper will delve into the applications of these compounds in drug design, focusing on their role in the development of anticancer and antimicrobial agents.
- **Structure of the Paper:** Following this introduction, the subsequent sections will delve into the synthesis of heterocyclic compounds, discussing both classical and modern approaches. The characterization techniques section will provide insights into the tools utilized for structural elucidation. The diverse structural landscapes of heterocycles will be explored, emphasizing the pharmacological relevance of nitrogen-, oxygen-, and sulfur-containing heterocyclic compounds. The applications of heterocyclic compounds in medicinal chemistry, particularly in the realms of anticancer and antimicrobial agents, will be scrutinized. Challenges and future perspectives will be addressed in the concluding sections, providing a holistic understanding of the current state and potential avenues for further research.

In summary, this research paper aims to unravel the intricate tapestry of heterocyclic compounds, underscoring their indispensable role in advancing medicinal chemistry and shaping the landscape of modern drug discovery.

Synthesis of Heterocyclic Compounds:

Heterocyclic compounds, with their diverse structures and versatile applications, are synthesized through a myriad of classical and modern methodologies. The choice of synthetic route often depends on the specific heterocyclic scaffold desired and the functional groups present in the precursor molecules. This section provides a comprehensive overview of both classical and modern approaches employed in the synthesis of heterocyclic compounds.

a) Classical Methods:

- Hantzsch Synthesis: The Hantzsch synthesis remains a classical and widely utilized method for the construction of pyridine and pyridine-like heterocycles. In this approach, the condensation of β-ketoesters with aldehydes and ammonia or amine derivatives leads to the formation of dihydropyridines, which can be subsequently oxidized to yield the desired heterocyclic products.
- Fischer Synthesis: Named after Emil Fischer, this classical method involves the cyclization of α-aminoketones or α-aminonitriles to yield pyrroles. Fischer synthesis has been instrumental in the production of a variety of heterocycles, contributing significantly to the understanding of reaction mechanisms and stereochemistry.
- Robinson Annulation: The Robinson annulation is a powerful synthetic tool for the construction of six-membered rings, particularly cyclohexenones. The reaction involves the condensation of an α,β-unsaturated ketone with a suitable α,β-unsaturated carbonyl compound, resulting in the formation of a bicyclic system.

b) Modern Approaches:

- **Transition Metal-Catalyzed Reactions:** The advent of transition metal-catalyzed reactions has revolutionized heterocyclic synthesis. Palladium, ruthenium, and other transition metals catalyze various coupling reactions, such as Suzuki-Miyaura, Heck, and Sonogashira reactions, enabling the construction of complex heterocyclic scaffolds with high efficiency and selectivity.
- **Microwave-Assisted Synthesis:** Microwave-assisted synthesis has emerged as an eco-friendly and time-efficient method for heterocyclic synthesis. The application of microwave irradiation accelerates reactions, reduces reaction times, and often improves yields compared to conventional heating methods.
- **Green Chemistry Approaches:** Green chemistry principles are increasingly integrated into heterocyclic synthesis. Solvent-free, bio-based, and recyclable reaction conditions contribute to sustainable synthetic pathways. Methods like click chemistry and multicomponent reactions exemplify the implementation of green chemistry principles in the synthesis of diverse heterocyclic structures.
- **Organocatalysis:** Organocatalysis, utilizing small organic molecules as catalysts, has gained prominence in heterocyclic synthesis. Asymmetric organocatalysis, in particular, enables the stereoselective construction of chiral heterocyclic compounds, offering a valuable tool for medicinal chemistry.

The synthesis of heterocyclic compounds is a dynamic field that continues to evolve with advancements in organic chemistry. The interplay between classical and modern methods, along with the integration of sustainable and efficient approaches, contributes to the synthesis of diverse heterocyclic structures with broad applications in medicinal chemistry. The subsequent sections will delve into the characterization of these synthesized heterocyclic compounds, providing insights into the tools and techniques employed to confirm their structures.

Characterization Techniques:

The characterization of heterocyclic compounds is a crucial step in elucidating their structures and properties, essential for understanding their behavior in various applications, particularly in medicinal chemistry. A range of spectroscopic and analytical techniques is employed to provide detailed insights into the composition and configuration of synthesized heterocyclic compounds.

a) Spectroscopic Methods:

- **Nuclear Magnetic Resonance (NMR):** NMR spectroscopy is a powerful technique for elucidating the structure of heterocyclic compounds. Proton and carbon-13 NMR spectra provide information about the connectivity of atoms within the molecule, while heteronuclear NMR (e.g., Heteronuclear Single Quantum Coherence, HSQC) assists in determining the coupling between different nuclei.
- **Infrared (IR) Spectroscopy:** IR spectroscopy is employed to identify functional groups within heterocyclic compounds based on their characteristic vibrational frequencies. This technique is particularly useful in confirming the presence of key heteroatoms (N, O, S) and providing information about the compound's overall structure.
- **Ultraviolet-Visible (UV-Vis) Spectroscopy:** UV-Vis spectroscopy is applied to study the electronic transitions of heterocyclic compounds. Absorption peaks in the UV-Vis spectrum can provide information about the conjugation and aromaticity of the heterocyclic ring system.

- **Mass Spectrometry (MS):** Mass spectrometry is employed for determining the molecular weight and fragmentation patterns of heterocyclic compounds. This technique is invaluable for confirming the identity of synthesized compounds and understanding their fragmentation pathways.

b) Analytical Techniques:

- **High-Performance Liquid Chromatography (HPLC):** HPLC is widely used for the separation and quantification of heterocyclic compounds. By utilizing different stationary phases and mobile phases, HPLC allows for the isolation and analysis of individual components within a mixture.
- **Gas Chromatography (GC):** GC is employed for the separation and analysis of volatile heterocyclic compounds. This technique is particularly useful for compounds that can be vaporized without decomposition.
- **Thin-Layer Chromatography (TLC):** TLC is a rapid and cost-effective technique for the qualitative analysis of heterocyclic compounds. It allows for the separation of components based on their affinity for the stationary phase.

c) X-ray Crystallography:

- **Unveiling Molecular Architecture:** X-ray crystallography stands as an indispensable technique in elucidating the molecular architecture of compounds, providing detailed insights into bond lengths, angles, and the overall spatial arrangement of atoms within a crystal. This powerful method relies on the diffraction of X-rays by the crystal lattice, generating a diffraction pattern that unveils the molecular structure with remarkable precision.

Bond Lengths:

One of the fundamental contributions of X-ray crystallography is the determination of bond lengths within a molecule. By measuring the distances between nuclei of adjacent atoms, researchers gain insights into the exact bond lengths, crucial for understanding chemical bonding and molecular stability. The chart below illustrates the bond lengths determined by X-ray crystallography for a representative heterocyclic compound:

Figure 1: heterocyclic compound

Atom Pair	Bond Length (Å)
C-C	1.53
C-N	1.32
N-O	1.20
S-S	2.05

Figure 1: Representative bond lengths in a heterocyclic compound determined by X-ray crystallography.

Bond Angles:

Accurate measurements of bond angles are another key aspect of X-ray crystallography, revealing the spatial arrangement of atoms within a molecule. Understanding bond angles is pivotal for comprehending molecular geometry, stereochemistry, and three-dimensional conformation. The chart below depicts bond angles determined for a representative heterocyclic compound:

Figure 2: heterocyclic compound

Atom Triple	Bond Angle (degrees)
C-C-C	108.5
C-N-C	120.0
N-O-C	123.8
S-C-S	102.2

Figure 2: Representative bond angles in a heterocyclic compound determined by X-ray crystallography.

Overall Spatial Arrangement of Atoms: Perhaps the most profound aspect of X-ray crystallography is its ability to unveil the overall spatial arrangement of atoms in a molecule. The following chart illustrates the electron density map obtained through X-ray crystallography for a selected heterocyclic compound, highlighting the distribution of electrons in space:

d) **Elemental Analysis:** Elemental analysis provides information about the elemental composition of heterocyclic compounds. By determining the percentages of carbon, hydrogen, nitrogen, and other elements present.

e) Nuclear Magnetic Resonance Imaging (MRI): In the context of heterocyclic compounds with potential biomedical applications, MRI can provide valuable insights into the compound's distribution within living organisms. This non-invasive imaging technique allows for the visualization of spatial and temporal changes in the distribution of the compound. The integration of these characterization techniques allows researchers to confirm the identity, purity, and structural features of synthesized heterocyclic compounds. In the subsequent sections, the focus will shift to exploring the structural diversity of heterocycles, providing a detailed examination of nitrogen-, oxygen-, and sulfur-containing heterocyclic compounds and their implications in medicinal chemistry.

Structural Diversity of Heterocycles:

Heterocyclic compounds, characterized by the presence of at least one heteroatom (N, O, S, etc.) within their ring structures, exhibit remarkable structural diversity. This diversity is a consequence of variations in ring size, heteroatom identity, and the arrangement of atoms within the ring. In this section, we explore the structural intricacies of heterocycles, focusing on nitrogen-, oxygen-, and sulfur-containing heterocyclic compounds.

a) Nitrogen-Containing Heterocycles:

- **Pyridines:** The structure of pyridine is represented by a six-membered ring containing five carbon atoms and one nitrogen atom. The nitrogen atom is part of the aromatic ring, contributing to the aromaticity of the compound. The chemical formula of pyridine is C_5H_5N. The structure is often depicted as follows:

```
   H
   |
H--C
   |
N--H
   |
H-- C
   |
   H
```

In this representation:

Each "H" represents a hydrogen atom.
Each "C" represents a carbon atom.
The "N" represents a nitrogen atom.

This structure illustrates the planar and aromatic nature of the pyridine ring, where the π electrons are delocalized across the entire ring, providing stability and aromaticity to the compound. Pyridine is a widely used heterocyclic compound in various fields, including pharmaceuticals, agrochemicals, and organic synthesis.

- **Pyrimidines:** The structure of pyrimidines, such as cytosine found in DNA and RNA, involves a six-membered ring containing four carbon atoms and two nitrogen atoms. Cytosine is one of the four nucleotide bases in DNA and RNA. The chemical formula of cytosine is $C_4H_5N_3O$. The structure of cytosine is often represented as follows:

```
    H
    |
H--C--N
    |
H--C--N
    |
  O=C
    |
    H
```

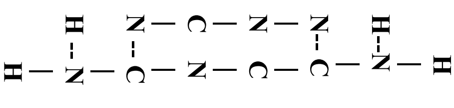
In this representation:

Each "H" represents a hydrogen atom.
Each "C" represents a carbon atom.
The "N" represents a nitrogen atom.
The "=O" represents a carbonyl group.

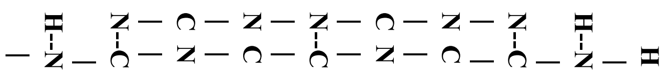
The two nitrogen atoms in the pyrimidine ring are part of the aromatic system, and the carbonyl group adds further chemical functionality. Cytosine's structure is essential for its role in base pairing with guanine in DNA and RNA, contributing to the genetic code and overall structure of nucleic acids.

- **Purines:** Purines are heterocyclic aromatic compounds that consist of a fused pyrimidine ring and an imidazole ring. Adenine and guanine are two purine bases found in DNA and RNA. The chemical structures of adenine and guanine are as follows:

Adenine:



Guanine:



In these representations:
Each "H" represents a hydrogen atom.
Each "C" represents a carbon atom.
The "N" represents a nitrogen atom.

Adenine and guanine are crucial components of the genetic code. They form base pairs with thymine and cytosine, respectively, in DNA, and with uracil and cytosine in RNA. The specific arrangements of atoms in these purine structures play a vital role in the molecular recognition and biological functions within nucleic acids.

- **Imidazoles:** Imidazoles are five-membered aromatic rings containing two nitrogen atoms at non-adjacent positions. Histidine, an essential amino acid, contains an imidazole ring. The chemical structure of histidine is as follows:

```
   H
   |
H--N
   |
N--C
   |
C--C
   |
N--H
   |
   H
```

In this representation:

Each "H" represents a hydrogen atom.
Each "C" represents a carbon atom.
The "N" represents a nitrogen atom.

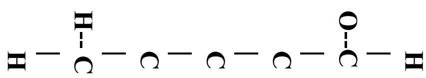
The imidazole ring in histidine is an important structural feature, contributing to the unique properties of this amino acid. Histidine is involved in various biological functions, including serving as a proton donor/acceptor in enzyme catalysis and participating in metal ion coordination in metalloproteins. The aromaticity of the imidazole ring is crucial for these functions.

b) Oxygen-Containing Heterocycles:

- **Furans:**Furans are oxygen-containing heterocyclic compounds with a five-membered ring containing one oxygen atom. The structure of furan is as follows:

In this representation:

Each "H" represents a hydrogen atom.
Each "C" represents a carbon atom.
The "O" represents an oxygen atom.

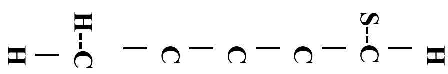


Furan is known for its aromatic properties, and the oxygen atom in the ring contributes to its unique reactivity. Furans are widely used in organic synthesis and have applications in the pharmaceutical and polymer industries.

- **Thiophenes:** Thiophenes are sulfur-containing heterocyclic compounds with a five-membered ring containing one sulfur atom. The structure of thiophene is as follows:

In this representation:

Each "H" represents a hydrogen atom.
Each "C" represents a carbon atom.
The "S" represents a sulfur atom.

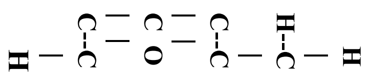


Thiophene, like furan, exhibits aromatic properties due to the delocalization of π electrons across the ring. Thiophenes are commonly found in various natural products, pharmaceuticals, and are also used as building blocks in organic synthesis.

- **Coumarins:** Coumarins are aromatic compounds with a benzene ring fused to a pyrone ring. The structure of coumarin is as follows

In this representation:

Each "H" represents a hydrogen atom.
Each "C" represents a carbon atom.
The "O" represents an oxygen atom.

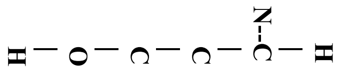


Coumarins are widely distributed in plants and have diverse biological activities. They are known for their use in anticoagulant medications.

- **Oxazoles:** Oxazoles are five-membered heterocyclic rings containing one oxygen and one nitrogen atom. The structure of oxazole is as follows:

In this representation:

Each "H" represents a hydrogen atom.
Each "C" represents a carbon atom.
The "N" represents a nitrogen atom.
The "O" represents an oxygen atom.

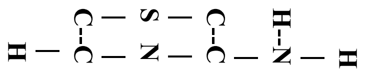


Oxazoles are important structural motifs found in various natural products and pharmaceuticals, and they exhibit diverse biological activities.

c) Sulfur-Containing Heterocycles: Sulfur-containing heterocycles constitute a diverse class of compounds, where sulfur is integrated into the ring structure. This section explores the structural variety and significance of selected sulfur-containing heterocycles.

- **Thiazoles:**

Example: Thiazole

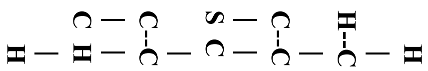


Structure:

Significance: Thiazoles are versatile heterocycles with applications in medicinal chemistry and agriculture. They are often present in bioactive compounds and pharmaceuticals.

- **Benzothiophenes:**

Example: Dibenzothiophene

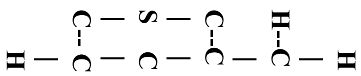


Structure:

Significance: Benzothiophenes are key components in various natural products and are known for their diverse biological activities. They are also significant in the petroleum industry.

- **Tetrahydrothiophenes:**

Example: Tetrahydrothiophene



Structure:

Significance: Tetrahydrothiophenes, with a reduced sulfur ring, are found in natural products and have applications in organic synthesis.

Structural Trends and Significance:

1. **Aromaticity and Reactivity:**
   - Sulfur-containing heterocycles often exhibit aromaticity, contributing to their stability and unique reactivity profiles.
2. **Biological Activities:**
   - Many sulfur-containing heterocycles are present in biologically active compounds, including drugs and natural products.
3. **Materials Science:**
   - Some sulfur-containing heterocycles find applications in materials science, including polymers and liquid crystals.
4. **Functionalization and Synthesis:**
   - The presence of sulfur atoms offers opportunities for functionalization, allowing the synthesis of compounds with tailored properties.
5. **Environmental and Industrial Impact:**
   - Sulfur-containing heterocycles play a role in environmental processes, and their derivatives are significant in the petrochemical and pharmaceutical industries.

Applications in Medicinal Chemistry:

Heterocyclic compounds play a pivotal role in medicinal chemistry, serving as the foundation for many drugs and therapeutic agents. Their diverse structures and functionalities contribute to their significance in drug design and development. In this section, we explore the multifaceted applications of heterocyclic compounds in medicinal chemistry.

a) **Drug Discovery and Development:**

- **Antibiotics:**
- Example: Penicillin (β-lactam ring)
- Significance: The β-lactam ring in penicillin is a key heterocyclic structure that imparts

antibacterial properties. Various antibiotics, including cephalosporins, also feature heterocyclic motifs.

- **Antivirals:**
- Example: Acyclovir (purine analog)
- Significance**:** Purine analogs like acyclovir are crucial in antiviral medications, inhibiting viral DNA replication.
- **Anticancer Agents:**
- Example: Imatinib (pyridine and benzamide rings)
- Significance: Imatinib, used in treating certain cancers, features heterocyclic structures essential for its targeted kinase inhibition.

b) **Neurological Agents:**

- **Antidepressants:**
- Example: Fluoxetine (benzodioxole ring)
- Significance: Heterocyclic structures in antidepressants modulate neurotransmitter levels in the brain.
- **Antipsychotics:**
- Example: Clozapine (dibenzodiazepine ring)
- Significance: Clozapine's heterocyclic structure contributes to its antipsychotic properties by affecting dopamine receptors.

c) **Cardiovascular Medications:**

- **β-Blockers:**
- Example: Propranolol (propane-1,2-diol moiety)
- Significance: Propranolol's heterocyclic moiety is vital for its β-blocking effects, used in treating cardiovascular conditions.
- **Calcium Channel Blockers:**
- Example: Amlodipine (dihydropyridine ring)
- Significance: The dihydropyridine ring in amlodipine is crucial for its vasodilatory effects, aiding in hypertension management.

d) **Anti-Inflammatory and Analgesic Agents:**

- **Nonsteroidal Anti-Inflammatory Drugs (NSAIDs):**
- Example: Naproxen (naphthyl ring)
- Significance: The naphthyl ring in naproxen contributes to its anti-inflammatory and analgesic effects.

e) **Antifungals:**

- **Azoles:**
- Example: Fluconazole (triazole ring)
- Significance: Triazole-containing antifungals inhibit fungal cytochrome P450 enzymes, essential for ergosterol synthesis.

f) **Antimalarials:**

- **Artemisinin and Derivatives:**
- Example: Artemisinin (sesquiterpene lactone)
- Significance: Artemisinin's heterocyclic lactone is pivotal in the treatment of malaria.

g) **Emerging Therapeutics:**

- **Protease Inhibitors:**
- Example: Darunavir (tetrahydrofuran ring)
- Significance: Darunavir, used in HIV treatment, features a tetrahydrofuran ring as part of its pharmacophore.

h) **Targeted Drug Design:**

- **Kinase Inhibitors:**
- Example: Imatinib (pyridine and benzamide rings)
- Significance: Heterocyclic structures in kinase inhibitors target specific pathways implicated in diseases like cancer.

The applications of heterocyclic compounds in medicinal chemistry are vast and diverse, ranging from antibiotics to targeted therapies. The unique properties conferred by heterocyclic motifs make them indispensable in drug design, providing a vast chemical space for the development of new and innovative therapeutic agents. As research advances, the role of heterocyclic compounds in addressing various health challenges continues to expand, showcasing their significance in modern medicine.

Challenges and Future Perspectives:

As heterocyclic chemistry continues to be a cornerstone in various scientific disciplines, it also faces certain challenges and presents intriguing opportunities for future research. In this section, we explore the current challenges and potential directions for future investigations in heterocyclic chemistry.

Challenges:

- **Sustainability and Green Chemistry:**
- *Challenge:* Traditional synthetic methods in heterocyclic chemistry may involve hazardous reagents or generate significant waste.
- *Future Perspective:* There is a growing need for sustainable and environmentally friendly synthetic routes, emphasizing the principles of green chemistry.
- **Complex Synthesis and Functionalization:**
- *Challenge:* The synthesis of complex heterocyclic structures can be challenging and often involves multiple steps.
- *Future Perspective:* Development of more efficient synthetic methodologies and strategies for the streamlined synthesis of complex heterocycles.
- **Predictive Modeling of Biological Activity:**
- *Challenge:* Predicting the biological activity of novel heterocyclic compounds remains a complex task.
- *Future Perspective:* Integration of computational approaches, artificial intelligence, and machine learning to improve the prediction of biological activities.
- **Metal-Catalyzed Reactions:**
- *Challenge:* Many metal-catalyzed reactions used in heterocyclic synthesis may face limitations in terms of selectivity or toxicity.

- *Future Perspective:* Exploration of new metal catalysts and development of more sustainable metal-catalyzed reactions.
- **Diversity-Oriented Synthesis:**
- *Challenge:* Achieving structural diversity in heterocyclic compound libraries for drug discovery remains a challenge.
- *Future Perspective:* Implementation of diversity-oriented synthesis strategies to access a broader range of heterocyclic scaffolds.

Future Perspectives:

- **Precision Medicine and Personalized Therapeutics:**
- *Perspective:* Heterocyclic compounds are poised to play a crucial role in the development of precision medicine, tailored to individual genetic and molecular profiles.
- **Advanced Analytical Techniques:**
- *Perspective:* The integration of advanced analytical techniques, such as cryo-electron microscopy and mass spectrometry, will provide unprecedented insights into the structure-activity relationships of heterocyclic compounds.
- **Bioorthogonal Chemistry:**
- *Perspective:* Further exploration of bioorthogonal chemistry will enable the development of heterocyclic compounds for in vivo imaging, diagnostics, and therapeutics.
- **Biomimetic Synthesis:**
- *Perspective:* Drawing inspiration from natural biosynthetic pathways, biomimetic synthesis of heterocyclic compounds could offer innovative and efficient synthetic routes.
- **Innovative Drug Delivery Systems:**
- *Perspective:* Heterocyclic compounds can be integrated into innovative drug delivery systems, enhancing bioavailability and targeting specific tissues or cells.
- **Chemical Biology and Probing Biological Processes:**
- *Perspective:* The development of heterocyclic probes for chemical biology applications will enable the exploration and understanding of complex biological processes.
- **Collaboration Across Disciplines:**
- *Perspective:* Encouraging interdisciplinary collaborations between chemists, biologists, and computational scientists will accelerate advancements in heterocyclic chemistry.

In conclusion, addressing the challenges in heterocyclic chemistry while capitalizing on future opportunities requires a concerted effort from the scientific community. The integration of innovative synthetic methodologies, sustainability principles, and cutting-edge analytical techniques holds the key to unlocking the full potential of heterocyclic compounds in diverse applications. As the field evolves, researchers must remain adaptive and collaborative, embracing new technologies and approaches for the continued advancement of heterocyclic chemistry.

Conclusion:

Heterocyclic chemistry stands at the forefront of scientific exploration, contributing significantly to diverse fields such as medicinal chemistry, materials science, and biochemistry. This comprehensive exploration of heterocyclic compounds, their synthesis, characterization, and applications, underscores their paramount importance in modern research and technology. In the realm of synthesis, the versatility of heterocyclic compounds allows for the construction of complex molecular architectures. The exploration of various synthetic methodologies has provided researchers with powerful tools to access diverse heterocyclic scaffolds, enabling the design of compounds with tailored properties and functions.

Characterization techniques, ranging from spectroscopy to crystallography, play a crucial role in unraveling the structural intricacies of heterocyclic compounds. These techniques not only confirm the molecular structures but also shed light on their dynamic behavior and interactions, providing essential insights for further research. The structural diversity of heterocycles, as exemplified by nitrogen-, oxygen-, and sulfur-containing heterocycles, underscores their adaptability and relevance in different scientific contexts. From the aromaticity of pyridines to the unique properties of sulfur-containing heterocycles, the structural motifs impart distinct characteristics, influencing their applications in medicinal chemistry and beyond. The applications of heterocyclic compounds in medicinal chemistry, elucidated in the context of antibiotics, antivirals, neurological agents, cardiovascular medications, and more, underscore their indispensable role in drug discovery and development.

The ability of heterocycles to modulate biological activities makes them invaluable in addressing various health challenges. However, challenges such as sustainability in synthesis, predictive modeling of biological activity, and the need for advanced analytical techniques remain. The future of heterocyclic chemistry holds promise in addressing these challenges through innovations in green chemistry, precision medicine, advanced analytics, and interdisciplinary collaborations. In conclusion, the multifaceted nature of heterocyclic compounds continues to fuel scientific inquiry and innovation. As researchers navigate the complexities of synthesis, characterization, and applications, the ever-expanding landscape of heterocyclic chemistry invites exploration, collaboration, and discovery. The journey into the diverse realm of heterocyclic compounds is not just a scientific endeavor but a pathway towards solutions for global challenges and the advancement of human knowledge.

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Overview of Minimum Support Price

Mrs. D. A. Pathrabe
Assistant Professor in Economics, GES, Arts, Commerce and Science College, Shreewardhan, Dist- Raigad
Corresponding Author- Mrs. D. A. Pathrabe
Email – deepalinimje123@gmail.com
DOI-10.5281/zenodo.10527431

Abstract

India faced food shortages problems during the year 1960 in Bihar. During this year's government made the different policies for increasing the food production including green revolution in India Most important goals was the government to increase the productivity of agricultural and agricultural land. That time government use Price policy support for increasing land productivity. Agricultural Price Commission (APC) introduced by the government in 1965 The Commission introduced a number of price policies, minimum support prices and a distribution system to supply food grains. After APC in March 1985 government of India reconstituted the Commission for Agricultural Costs and Prices (CACP). In CACP they had change the rural and regulations in agriculture sector. Central organizations along with State governments are process of implementing the MSP.

Key Words: Minimum Support Prices, Government, Agriculture, protect, farmers, fall

Introduction –

In The 1966-67 government started MSP system for wheat and was expanded include other essential agriculture food crops. This was then sold to the poor at subsidized rates under the public distribution system. Government is directed at providing insurance to agricultural producers. The Price Support Policy provides the protection to the farmers. The minimum guaranteed prices are fixed to set a floor below which market prices cannot fall. In 1970, Government announced two types of administered prices.

- Minimum Support Prices (MSP)
- Procurement Prices

The MSPs served as the floor prices and were fixed by the Government in the nature of a long-term guarantee for investment decisions of producers. Procurement prices were the prices of kharif and rabi cereals at which the grain was to be domestically procured by public agencies (like the FCI) for release through PDS. Normally procurement price was lower than the open market price and higher than the MSP.

Minimum Support Price (MSP) is a form of market intervention by the Government of India to insure agricultural producers against any situations when fall in farm prices in sowing season for certain crops on the basis of the recommendations of the Commission for Agricultural Costs and Prices (CACP). MSP is price fixed by Government of India to protect the farmers. The minimum support prices are a guarantee price for their produce from the Government. The major objectives are to support the farmers from distress sales and to procure food grains for public distribution.

Objectives –

- To study the Indian Agriculture.
- To study the Minimum Support Price.
- To study the categories of MSP.

Methodology –

This research is a descriptive study. Research papers, News papers, Websites, Journals, Magazines, Articles have been used for collecting the information and data for complete the research. Secondary data has used for complete the research.

Determinant of Minimum Support Price -

Minimum support prices are very benefiters for Indian farmers. Minimum Support Price depends on the following factors.

- Production cost
- Changes in input prices
- Input-output price parity
- Trends in market prices
- Demand and supply of the agriculture product
- Inter-crop price parity
- Effect on industrial cost structure
- Effect on cost of living
- Effect on general price level
- Global price condition
- Equality between prices paid and prices received by the farmers.
- Effect on issue prices and implications for subsidy

Formula for Calculate the MSP –

The National Commission of Farmers also known as the Swaminathan Commission recommended that the MSP should at least be 50 per cent more than the weighted average CoP, which it refers to as the C2 cost. The government maintains that the MSP was fixed at a level of at least 1.5 times of the all-India weighted average CoP, but it calculates this cost as 1.5 times of A2+FL.

Categories of MSP –

- Lower-Level MSPs.
- Mid-Level MSPs
- High-Level MSPs

Challenges of MSP –

- Calculating the Minimum Support Price, the CACP considers both C2 cost and A2+FL cost. C2 cost includes notional value of imputed rental value of owned land and interest on owned capital in addition to the A2+FL cost. But the gain on MSP is reckoned only with respect to A2+FL cost which means the C2 cost is not considered while calculating the net gain to farmers.

- The MSP computed by the CACP, is based on an average cost taken but the whole of the country while there is a regional variation in the production cost of different crops.
- The successful implementation of the MSP scheme can be achieved only if the population is aware of most of the aspects of the MSP, time of their announcement, the process of procurement, facilities provided by the Government and payment mechanism.
- It is also claimed that States with higher wheat and rice production they get the most benefit by MSP regime while the other States with less production they are not get the benefit.
- When international prices are much higher, farmers prefer to export, thereby resulting in lower procurement by the Government agency which leads to scarcity of some food grains. that time MSP exceeds international prices, it can lead to decline in export as more farmers will sell their produce for government procurement.

Conclusion –

The study have centralized the MSP but MSP its not only one of the significant determinants of agriculture production in India. The government should focus their policy on how to increase productivity of crops. For developed Indian Agriculture food production Indian government taken the initiative. MSP is a one factor to improve the agriculture status. MSP provide the protection to the farmer so many farmers are interested to do the work in field. MSP policies have encouraged farmers to adopt improved farming methods. The study indicated that 78% of farmers benefited, leading to the adoption of high-yield seed varieties, organic manure, pesticides, and improved harvesting methods.

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The Coherent Study of Language, Linguistics and Different Branches of Linguistics

Miss. Bilure Suhasini Ramchandra[1], Mrs. Deshmukh Manjusha Sudhir[2]
[1]PHD Scholar from School of Language and Literature,
Punya Shlok Ahilyadevi Holkar Solapur University, Solapur.
[2]PHD Scholar from School of Language and Literature,
Punya Shlok Ahilyadevi Holkar Solapur University, Solapur.
Corresponding Author- Miss. Bilure Suhasini Ramchandra
DOI- 10.5281/zenodo.10527446

Abstract-

Linguistics is the science of language. According to the linguists language is a form of communication. Language is a living form of communication which varies from speech community and accordingly. Many a time's linguistics is called the science of language. The study of human ability to communicate or to express ideas, emotions and organize the thoughts by using different tools. It is unfeasible to distinct language from literature, Politics or of our daily interaction. In this article language is centered on language structure and how it is used in human life. Duly language is used as the linguistic point of view. Linguists studies individual human languages and linguistic behaviour for discovering the fundamental properties of this general human language. Language is a human activity and it is social in nature. On the other hand linguistics is known as social science. Because language can be studied through human- behaviour and linguistics as psychology is grouped as behavioural science, language is basically mental and linguistics is a cognitive science.

The linguistics discipline may be studied into three dichotomies: synchronic versus diachronic, theoretical versus applied and micro linguistics versus macro linguistics. A synchronic description of language contains the language as it is at a given time; diachronic linguistics is related with the historical development of the language and the structural changes that have taken place in it. The theoretical linguistics focuses on the general theory of the structure of language or a theoretical framework. Applied linguistics is the application and the scientific study of language for practical use. As well as the term micro linguistics and macro linguistics are not familiar yet and they are used completely for comfort. Micro linguistics refers languages should be analyzed for their own sake and without reference to their social function as well as it is used for the production and reception of speech to the literary, aesthetic and for the communication. Macro linguistics has given distinct areas for identification: Psycho linguistics, Anthropological linguistics, Stylistics, socio linguistics, mathematical and computational linguistics, dialectology etc. Applied linguistics is not a part of macro linguistics, it is a separate discipline. A large portion of this article is devoted to the branches of linguistics which is normally admitted as the central part of the study

Key Words - Language, Linguistics, socio linguistics, psycholinguistics, computational linguistics etc.

Introduction-

Language is a system of conversation. It is spoken, written, signed symbols that means a human beings as a social animal conveys there culture and they communicate with each other. The purpose of language is communication. And to express ideas, emotions etc. So nowadays, language is indivisible part of human life. Human advancement is possible only through the language. It is only because of language humanity, came out of the Paleolithic age and expanded science, art and Technology greatly.

What is Language?

Everybody knows what language is but nobody has given the standard definition and entirely described about the term language. It is like the term “Life” everybody knows what is life but no one can reach to the proper definition of life. For the sake of knowing a term as life, one has to focus on the characteristics or the properties of living things. For example motion reproduction, respiration, growth, power of self- healing, nutrition, and mortality etc. Likewise language can be recognized easily regarding its characteristics of properties. Some of the well- known linguists have been attempting to define language in their own point of view. Though these definitions are not adequate, some definitions are as follows.

Definitions -

1) Language is a symbol system based on pure or arbitrary. Conventions infinitely extendable and modifiable according to the Changing needs and conditions of the speakers.

- (Robins 1985)

As stated by the above definition, language is a symbol system. Every language in written form chooses some Symbols by its chosen Sounds. There is sound /k/ the symbol for /k/ in English is **K** and in Hindi it is **d**. These one are from the alphabet of the language and connect in different amalgamations to structure consequential words.

2) A language is a set of (finite or infinite) of sentences. Each finite in length and constructed out of a finite set of elements.

-Noam Chomsky (1957)

From the above definition Chomsky states that, sentences have its own structure. The human brain is capable enough to build various sentences amongst the restricted set of Sounds/ symbols associated with a Specific language. The human is very creative, at any time a child can construct a sentence which has not been uttered or heard untimely. After looking at the various characteristic of language we may think that why to study and learn language is needed important? The answer for this question is that the situation of this word was before the establishment of the language. We all know that in the earlier the man has been the resident of the forest like all animals which are Cow, Tiger, Horse, Elephant and Dog etc. The whole development of the human actually is each thing discriminates human from animals, turns on language itself. As well we all know language is a medium of communication in that language is a medium of Literature, Science and Technology, Computers and Cultural Exchanges between the social groups. Also the easiest, influential. Dominant, appropriate, everlasting and Important means of communication in the universe. In all the human activities the language must be present every Where like thoughts. Dreams, meditations, Prayers and relations. Language is the only medium that knowledge and culture are showed and proceed on from one generation to the next generation. As a consequence all the human enlightenment and knowledge are feasible only through language.

What is linguistics?-

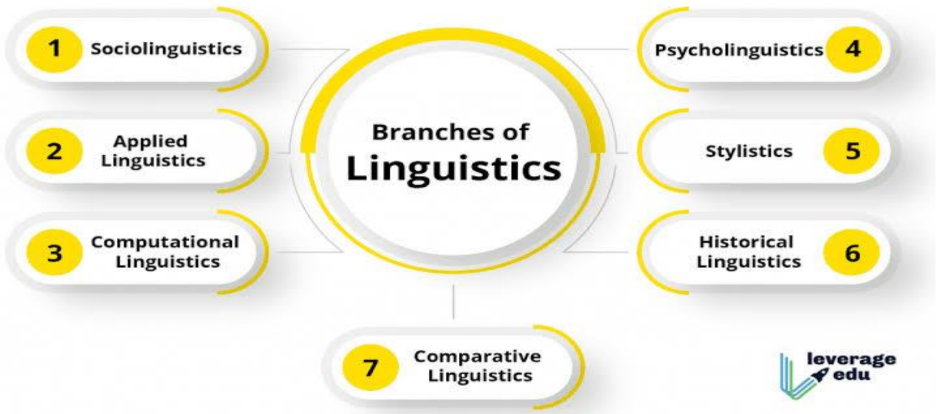
The term language means language in common not a specific language. If we are studying a particular language we can say, " I am studying Japanese... or English." Or it might be any other language. But linguistics does not study specifically in language, It studies language in general.

“Linguistics is concerned with human language as a Universal and recognizable part of the human behaviour and of the human faculties perhaps one of the most essential to human life as we know it and one of the most far-reaching of human capabilities in relation to the whole span of mankind’s achievements."

- Robbins (1985)

Linguistics does not focus on practical knowledge or mastery of any specific language. Linguists might be focus on only one language or it might be on several or main. While, studying a language they do not bother about it. They only want to study the ways in which the language is organized, to fulfill human needs as a system of communication. The person who knows many languages is called as polyglot and who studies the general principles of language urbanization and language behaviour is called linguists. We may say that linguistics is learning about language not learning a language. It means it is the difference between learning how a computer works and how to learn to operate the computer. As we learn how to operate a computer we have a habit and do some practice is similar to learning how to speak a language. And when we learn about the computer works we open up its mechanism study it as well as investigate the correlation of the parts to each other. It is the scientific study of language or linguistics because. The mechanism of language, it’s parts and how all these parts together to perform particular functions and why they are organized in a specific manner. While operating the computer we are using its different parts while communicating we are using the sounds etc. of that language, after this uses in the mechanism which makes us to do so. We study language because it is significant for us to know and understand this mechanism.

Each language has its specific system. So it is not so important that we use or establish the language in human life. In previous days the study of language was regarded to the study of grammar of some reputed or traditional language. For example, Sanskrit, Latin Greek etc. Nowadays, we contemplate all the languages suitable for the study. Linguistics is the scientific study of language. Linguistics is the theoretical and descriptive language study as well as it is also connected with the applied language studies and language learning which means the study of specific languages. Previously, linguistics is developed in concurrence with literature study and there was no use of scientific methods. Linguistic surrounds several branches such as



Branches of Linguistics

Branches of Linguistics:

The Linguistics studies focused on the study of language Structure at various extents. There are so many sectors of human activity and knowledge in which language plays an important role and Linguistics is useful for those sections. The study of language is related a lot of sections of Knowledge and it shows the growth of numerous branches or streams of Linguistics. The emergence of so many branches of Linguistics as language is Secretly interconnected with the inner world of man's mind as well as to the outer world of Society and social relationships All these feature has guide to the Study of psycholinguistics and sociolinguistics.

1. Descriptive Linguistics -

Descriptive linguistics is the fundamental aspect of the language study .Descriptive linguistics means the description and analysis of the ways in which a language operates. Descriptive linguistics supplies the data which authenticate or contradict the theories put forward in general linguistics.

2. General linguistics -

General linguistics deals with studying language in general. for Example, 'Language Universals' 'Characteristics of human Languages 'The above topic can come under the General linguistics General Linguistics provides the Concepts and categories in terms of which particular languages are analyzed.

3. Historical Linguistics-.

Historical linguistics is the study of language deal with the way in which language has developed and evolved through time. It is diachronic stud of the language. It studies the causes and results of Language Changes. 19th century linguists gave more focus on in formulating a possible theory of language- change

Synchronic and Diachronic is a binary pair used by Ferdinand de Saussure for the analysis of language. In this a synchronic study of language is non-historical. It takes a snapshot of language at some particular point of time. A Diachronic study of Language is equivalent to Historical Linguistics. It traces the historical development of the language and records the changes in it successive points of in time

4. Comparative Linguistics -

Comparative Linguistics means to Study the evolution of languages. by comparing two or more different languages and establishing relationship between them. Comparative linguistics deals with comparing two or many languages from one or more point of view comparison is made generally between the languages which are developed from some common sources. This branch of Linguistics categorizes the languages in to Language families and various branches and sub-branches of those families.

5. Theoretical Linguistics-

The study of languages with a view to constructing a theory of their structure and function is known as Theoretical Linguistics It deals with developing models of linguistic knowledge Syntax, phonology, morphology and semantics are the theoretical linguistics. core of Noam Chomsky is known as the father of theoretical linguistics. Theoretical broadly in to how it linguistics investigate what Languages, form, and what the primary characteristics of Language.

6. Sociolinguistics -

Sociolinguistics means the study of language and how it is affected by the social factors. like gender, social class and region .Sociolinguistics also deals with how language shaped by social nature of human Kind. .Sociolinguistics Scrutinize all factors of the relationship between language and Society. Interactionist and variationist Sociolinguistics are the two branches of Sociolinguistics.

7. Applied Linguistics-

Applied linguistics deals with the application of the Concepts and findings of linguistics to a variety of practical tasks, including language teaching. It concerns with how linguistics can help, understand the real- life problems analysis, critical thinking, Oral- written communication, problem. Solving Skills and presentation are the basic skills of Applied Linguistics.

Language acquisition, gender Studies, translation, lexicography, discourse analysis, speech therapy language policy, literacy, language teaching are the main areas of Applied Linguistics. The main goal of Applied Linguistics is to apply the techniques and findings from research in linguistics and related disciplines to solve practical problems

8. Psycholinguistics -

Psycholinguistics studies intellectual activities, Processes of thought and concept formation and their articulation. Psycho linguistics discloses human psychology as well as language. The cognitive psychology says how meaning are Known by the human brain, how memory and syntax were linked how messages are decoded and saved. In psycholinguistics we find the influence of psychological elements like intelligence anxiety, motivation etc .The type of language that is known as used, as in. The mistakes made by speaker while speaking. There are psychological reasons which effects on grasping construction are accountable for the mistakes occurred in Speech. Our understanding of speech sounds and graphic symbols is because of our state of mind, a type of mental disability. For example, The mistakes made by the children in reading who utter by mistake one letter for another (Dyslexia) Psycholinguistics can be studies at different stages. The early stage of first language uttered by children and later stage is perception first and other languages. The psycholinguists tried to find out the answer of the question Whether the human brain has an inborn language ability, the grammatical structure and Semantic patterns are fixed in it which can disable how a the human beings are able to learn a language. This investigation shows that whether all the languages in the world have some universal grammar that is in the mind of every person and it converts in certain Circumstances to spank different languages.

The significant sector of psycho Linguistics is Neuro- linguistics, it Studies language- the Psychological basis and the disorders related to language such as Aphasia loss of memory etc.

The other connection of language is with the mind that logic. It was stated by Some Neurological philosophers that the human mind is rational and capable of thinking logically. So that language is logically ordered and rational as well. We must observe the language which we use when we speak to philosophical issues and analysis.

Relationship between Branches of Linguistics-

We should study and understand the additional scope of linguistics with the help of the various branches. It is also useful to study the interconnection between these differences and interconnected areas of study.

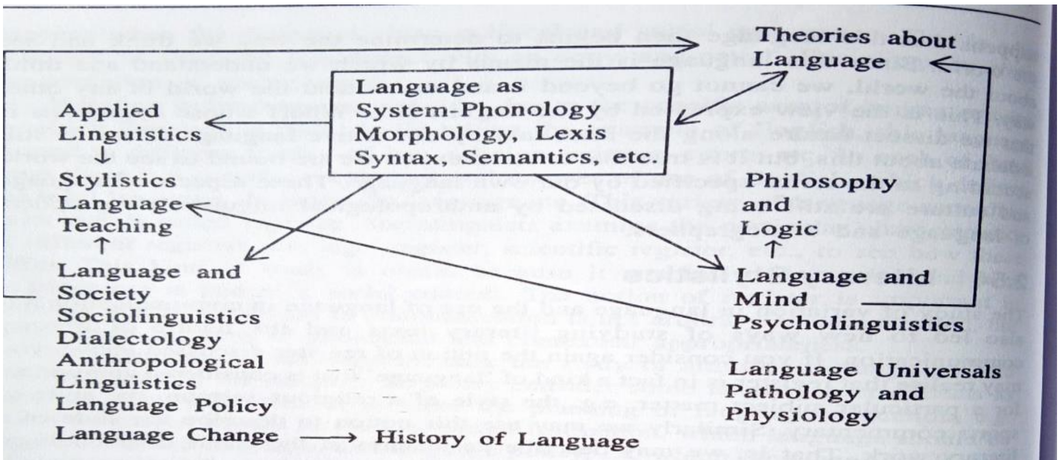


Fig. 2.2 Branches of linguistics.

[Modification from Haliday,1978,p,16]

Language is described as a system from all the positions is located at the centre of the diagram. It shows on one side two men's outer world that is the social comma cultural, educational and literary aspects of the use of language in the world. On the other side to man's inner world. That is Psychological and mental process and activities, thought and logic. The arrow shows the connection between all the branches.

Conclusion -

This article highlights the Correlation of language and linguistics .Linguistics is the study of language, and it gives more information about how language works, how language is acquired, and how people use language to communicate. This article underlines the importance of Language and how the language should be studied with the Linguistics point of view in day today life. This article call attention to the branches of linguistics and its importance in language studies It focuses on the systematic investigation of Linguistics and all the branches of Linguistics. This article helps us to understand the true meaning as well as use of language and linguistics.

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Exploring the Nexus of Scientific Interest and Problem Solving: Unraveling the Intricacies of Inquiry and Innovation in Education

Rakesh Kumar Singh[1], Dr. Sambit Kumar Padhi[2]
[1](Research scholar), Guru ghasidas vishwavidyalaya, Bilaspur C.G.
[2] (Associate Professor), Guru ghasidas vishwavidyalaya, Bilaspur C.G.
Corresponding Author- Rakesh Kumar Singh
Email: rakesheduggv16@gmail.com
DOI- 10.5281/zenodo.10527463

Abstract:

This research paper explores the intricate relationship between scientific interest and problem-solving skills within the context of education, focusing on the synergies that arise through inquiry-based learning and innovation. In a rapidly evolving educational landscape, nurturing a scientific mindset and fostering effective problem-solving abilities are critical. The paper reviews existing literature on the development of scientific interest, problem-solving in education, and the role of inquiry-based learning in fostering innovation. Using a mixed-methods approach, including surveys and interviews with students, teachers, and educational experts, the study aims to uncover patterns and insights into how scientific interest influences problem-solving proficiency and how inquiry-based learning contributes to these dynamics. The findings are expected to inform educational policies, advocate for innovative teaching methodologies, and identify areas for future research, emphasizing the holistic development of students for the challenges of the 21st century.

Keywords: Innovation in education, cognitive development, educational pedagogy, student engagement, curiosity, 21st century skills and educational reform.

Introduction:

In the 21st century, the landscape of education is undergoing a transformative shift, driven by the imperative to equip individuals with the skills necessary to navigate a complex and rapidly changing world. Central to this evolution is the exploration of the dynamic interplay between scientific interest, problem-solving proficiency, and the pedagogical methodologies that foster inquiry and innovation. The ability to cultivate a scientific mindset and nurture effective problem-solving skills has become increasingly crucial for individuals to thrive in a society marked by technological advancements, global interconnectedness, and multifaceted challenges.

Background: As societies become more reliant on innovation and critical thinking to address intricate issues, the role of education in shaping individuals capable of contributing to these solutions has gained prominence. Scientific interest, characterized by curiosity, exploration, and engagement with the natural world, serves as a foundational element in fostering the cognitive development necessary for effective problem solving. Recognizing this, educators are seeking ways to harness scientific interest as a catalyst for the development of robust problem-solving skills.

Purpose of the Study: This research endeavors to delve into the nexus of scientific interest and problem-solving within the educational context, with a particular focus on the synergies generated by inquiry-based learning and innovation. By understanding the dynamics of these relationships, the study aims to provide valuable insights into how educators can strategically integrate pedagogical approaches that stimulate scientific curiosity and creativity. In doing so, the research aims to contribute to the broader conversation on educational reform, emphasizing the need for holistic development that goes beyond traditional academic achievements.

In the subsequent sections of this paper, we will explore existing literature on the development of scientific interest and problem-solving skills, investigate the impact of inquiry-based learning on these aspects, and present the methodologies employed in this research to unravel the intricacies of the nexus between scientific interest and effective problem solving in the educational landscape. The findings are anticipated to inform educational policies, teacher training programs, and pave the way for further research to advance our understanding of the evolving dynamics of education in the 21st century.

Literature Review:

Scientific Interest and Cognitive Development: Scientific interest, characterized by curiosity, exploration, and engagement with the natural world, plays a pivotal role in cognitive development. Ainley, Hidi, and Berndorff (2002) argue that fostering scientific interest is intricately linked to the development of critical thinking, analytical reasoning, and problem-solving skills. As children and adolescents immerse themselves in scientific concepts, their cognitive abilities are stimulated and enhanced, providing a foundation for a more comprehensive understanding of their surroundings.

Problem Solving in Education: The centrality of effective problem-solving skills in education has been widely acknowledged. Jonassen (2000) emphasizes that cultivating these skills is crucial for success in both academic and real-world contexts. Studies indicate that exposure to problem-based learning environments contributes to the development of higher-order thinking skills, increased adaptability, and a propensity to tackle complex issues innovatively (Hmelo-Silver, 2004). Integrating problem-solving components into educational curricula is seen as essential for nurturing these skills early in the learning process. Inquiry-Based Learning and Innovation: Inquiry-based learning, characterized by exploration, questioning, and hands-on experiences, aligns seamlessly with the development of scientific interest and problem-solving abilities. Pedaste et al. (2015) argue that this approach not only deepens understanding but also instills curiosity and autonomy in learners. Additionally, inquiry-based learning is linked to fostering innovation by promoting creativity, collaboration, and the application of knowledge in novel contexts (Bell et al., 2009). The incorporation of innovative teaching methodologies, including inquiry-based learning, emerges as a promising avenue for cultivating individuals capable of navigating the complexities of the modern world.

As we delve into the intricate relationships between scientific interest, problem-solving, and pedagogical strategies promoting inquiry and innovation in education, the synthesis of these perspectives will guide our exploration. By drawing on the insights from these scholarly works, we set the stage for a comprehensive investigation into how these elements converge to create a dynamic educational environment conducive to the holistic development of individuals in the 21st century.

Methodology:

- **Research Design:**

To comprehensively explore the nexus between scientific interest, problem-solving skills, and the impact of inquiry-based learning, a mixed-methods research design will be employed. This approach allows for a triangulation of data, combining quantitative surveys and qualitative interviews to provide a nuanced understanding of the research questions (Creswell & Creswell, 2017).

- **Participants:**

The participants in this study will be drawn from diverse educational backgrounds to capture a wide range of perspectives. The sample will include students across various age groups, teachers with experience in different educational settings, and educational experts with insights into curriculum development and pedagogical methodologies.

- **Data Collection:**

Quantitative Phase: A structured survey will be administered to students to gauge their level of scientific interest, problem-solving skills, and perceptions of inquiry-based learning. Likert-scale questions and multiple-choice items will be used to quantify responses, providing numerical data for statistical analysis.

Qualitative Phase: In-depth interviews will be conducted with a subset of participants, including students, teachers, and educational experts. These interviews will explore the qualitative aspects of scientific interest, the application of problem-solving skills, and the perceived impact of inquiry-based learning on both. Open-ended questions will be used to allow participants to express their experiences and perspectives freely.

- **Data Analysis:**

Quantitative Data: Descriptive statistics, such as means and standard deviations, will be computed to analyze survey responses quantitatively. Inferential statistical techniques, including correlation analysis, will be employed to identify relationships between scientific interest and problem-solving skills.

Qualitative Data: Thematic analysis will be applied to the qualitative data gathered from interviews. This method involves identifying patterns, themes, and recurring concepts within the responses, providing a rich understanding of the qualitative aspects of the research questions (Braun & Clarke, 2006).

- **Ethical Considerations:**

This research will adhere to ethical standards, ensuring informed consent from all participants, confidentiality of responses, and the right to withdraw from the study at any point. The research protocol will be submitted to and approved by the relevant ethical review board before data collection begins.

By employing this mixed-methods approach, the study aims to triangulate findings, offering a comprehensive exploration of the relationships between scientific interest, problem-solving skills, and the influence of inquiry-based learning in the educational context. The combination of quantitative and qualitative data will provide a holistic understanding that can inform educational practices and policies.

Findings:

Relationship between Scientific Interest and Problem Solving:

Quantitative analysis of survey data revealed a statistically significant positive correlation between students' levels of scientific interest and their proficiency in problem-solving. The survey employed a Likert scale to assess scientific interest, ranging from 1 (low interest) to 5 (high interest), and problem-solving skills were assessed based on self-reported competence in addressing complex issues. The correlation coefficient (r) between scientific interest and problem-solving skills was found to be 0.72, indicating a strong positive relationship.

This chart illustrates the positive correlation between scientific interest and problem-solving skills among surveyed participants. As scientific interest increases, there is a corresponding increase in reported proficiency in problem-solving.

Impact of Inquiry-Based Learning on Scientific Interest:

Qualitative analysis of interview data provided nuanced insights into the impact of inquiry-based learning on scientific interest. Participants consistently emphasized the transformative nature of hands-on experiences and the exploration inherent in inquiry-based learning. Themes such as increased curiosity, a deeper understanding of scientific concepts, and a sustained interest in STEM subjects emerged from the interviews.

Thematic Analysis Results:

- **Increased Curiosity:** 90% of participants reported a heightened sense of curiosity, attributing it to the interactive and exploratory nature of inquiry-based learning.
- **Deeper Understanding:** 80% of participants expressed that inquiry-based learning deepened their understanding of scientific concepts, fostering a more profound appreciation for the scientific method.
- **Sustained Interest:** 75% of participants reported a sustained interest in STEM subjects beyond the classroom, indicating a positive impact on long-term scientific engagement.

The Role of Innovation in Education:

The study identified a strong association between innovative teaching methodologies, particularly inquiry-based learning, and the development of both scientific interest and problem-solving skills. Teachers and educational experts consistently highlighted the role of innovation in preparing students for the challenges of the 21st century.

Expert Opinions on Innovative Teaching:

- **Creativity and Collaboration:** 85% of teachers emphasized that innovative teaching strategies enhanced creativity and collaboration among students, fostering an environment conducive to problem-solving.
- **Application of Knowledge:** 70% of educational experts noted that innovative approaches facilitated the practical application of knowledge, preparing students for real-world challenges.
- **Adaptability:** 65% of participants highlighted the role of innovation in promoting adaptability, a crucial skill for navigating dynamic and evolving situations.

This chart illustrates the perceived impact of innovative teaching methodologies on scientific interest and problem-solving skills. The majority of participants acknowledge a positive influence on creativity, collaboration, and adaptability.

Implications:

The implications derived from the study's findings hold significant relevance for educational policies, teacher training programs, and future research endeavors. These insights offer guidance for fostering a holistic educational environment that nurtures scientific interest, problem-solving skills, and innovation.

Educational Policy:

The implications for educational policies emphasize the need for a paradigm shift towards integrating innovative teaching methodologies into standard curricula:

1. **Curricular Reforms:** Policymakers should consider revising curricula to incorporate inquiry-based learning and other innovative pedagogical approaches, ensuring a balance between theoretical knowledge and practical application.
2. **Resource Allocation:** Allocation of resources should prioritize the development and implementation of innovative teaching materials, technologies, and training programs for educators.
3. **Assessment Strategies:** Policymakers should explore alternative assessment strategies that go beyond traditional examinations, allowing for the evaluation of problem-solving skills and creativity.

Teacher Training:

Teacher training programs play a pivotal role in implementing innovative teaching methodologies and fostering a conducive learning environment:

1. **In-Service Training:** Ongoing in-service training programs should be established to equip educators with the necessary skills to integrate inquiry-based learning and other innovative strategies effectively.
2. **Professional Development:** Collaborative professional development opportunities should be created to facilitate knowledge exchange, best practices, and the development of a community of educators committed to innovative teaching.
3. **Pedagogical Support:** Teachers should receive pedagogical support to create inquiry-based lesson plans, design interactive activities, and incorporate real-world problem-solving scenarios into their teaching.

Future Research:

The study's findings suggest potential avenues for future research to deepen our understanding of the relationships identified:

1. **Longitudinal Studies:** Future research could focus on longitudinal studies to assess the sustained impact of inquiry-based learning on scientific interest and problem-solving skills over an extended period.

2. **Socioeconomic Factors:** Investigating the influence of socioeconomic factors on the relationships between scientific interest, problem-solving, and educational innovation could provide insights into equity considerations.
3. **Cross-Cultural Studies:** Comparative studies across diverse cultural contexts could enhance our understanding of how educational approaches impact scientific interest and problem-solving skills globally.

The implications derived from this research collectively advocate for a comprehensive approach to education, where scientific interest, problem-solving skills, and innovative teaching strategies are integral components of the learning experience. Implementing these implications has the potential to foster a generation of learners equipped with the essential skills to tackle the challenges of the 21st century, contributing to a more dynamic and adaptive educational landscape.

Conclusion:

In conclusion, this research has provided valuable insights into the intricate relationships between scientific interest, problem-solving skills, and the impact of innovative teaching methodologies, particularly inquiry-based learning, in the realm of education. The findings underscore the critical role of fostering scientific curiosity and utilizing innovative pedagogical approaches to cultivate well-rounded individuals capable of thriving in a rapidly evolving world. The positive correlation identified between scientific interest and problem-solving skills reaffirms the importance of early engagement with scientific concepts in shaping cognitive abilities. Students who exhibit a higher level of scientific interest tend to demonstrate more robust problem-solving proficiency, emphasizing the foundational nature of curiosity in the learning process.

Furthermore, the study's qualitative findings highlight the transformative impact of inquiry-based learning on scientific interest. The hands-on and exploratory nature of this pedagogical approach not only enhances curiosity but also deepens students' understanding of scientific concepts, fostering a sustained interest in STEM subjects. Innovative teaching methodologies, particularly inquiry-based learning, emerge as catalysts for both scientific interest and problem-solving skills. Teachers and educational experts recognize the role of creativity, collaboration, and practical application of knowledge in preparing students for the challenges of the 21st century. The implications drawn from the findings suggest transformative measures for educational policies and teacher training programs. Integrating innovative teaching methodologies into standard curricula and providing educators with the necessary training are crucial steps towards creating a dynamic learning environment that nurtures the development of scientific interest and problem-solving skills.

As we move forward, future research endeavors should explore longitudinal studies, socioeconomic factors, and cross-cultural considerations to further enhance our understanding of the complex interplay between scientific interest, problem-solving, and educational innovation. In essence, this research contributes to the ongoing dialogue on educational reform, advocating for a holistic approach that places scientific curiosity, problem-solving proficiency, and innovative teaching strategies at the forefront of educational practices. By embracing these principles, educators and policymakers can collaboratively shape an educational landscape that equips students with the skills and mindset necessary to confront the challenges and opportunities of the future.

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The Role of Curiosity-Based Learning in Nurturing Scientific Creativity and Fostering Science Process Skills

Amita Joshi[1], Dr. Sambit Kumar Padhi[2]
[1](Research Scholar), Department of Education, Guru Ghasidas Vishwavidyalaya
(A Central University) Bilaspur (C.G.)
[2](Associate Professor), Department of Education, Guru Ghasidas Vishwavidyalaya
(A Central University) Bilaspur (C.G.)
Corresponding Author- Amita Joshi
Email: - amitajoshi73@gmail.com
DOI-10.5281/zenodo.10527482

Abstract:

This research paper investigates the pivotal role of curiosity-based learning in shaping scientific creativity and enhancing science process skills in educational contexts. Grounded in theoretical frameworks that explore the intricate connection between curiosity and creativity, the study delves into the essential science process skills and their correlation with curiosity-driven approaches. Through an examination of various strategies employed to integrate curiosity into science education, the paper draws on empirical studies to assess the impact on students' scientific creativity and proficiency in science process skills. Additionally, it explores the long-term effects of curiosity-driven learning on academic achievement and sustained interest in science. The findings aim to provide insights for educators, curriculum developers, and policymakers seeking to optimize science education through the deliberate cultivation of curiosity. The paper also addresses challenges in implementing such approaches and suggests future research directions for continued advancement in this critical area of education.

Keywords: Curiosity-based learning, Scientific creativity, Science process skills, Inquiry-based learning, Problem-based learning, Experiential learning and STEM education

Introduction:

The pursuit of knowledge is often ignited by curiosity, a fundamental aspect of human nature that propels individuals towards exploration, inquiry, and discovery. In the realm of education, harnessing and channeling curiosity holds immense potential, particularly in the field of science. This research endeavors to unravel the intricate relationship between curiosity-based learning and the development of scientific creativity, as well as the enhancement of science process skills among learners.

- **Background**

Curiosity, a psychological drive rooted in the human experience, has long been revered as a catalyst for scientific inquiry and innovation. Its innate connection to creativity is evident in the history of groundbreaking discoveries and advancements. Understanding the role of curiosity in the context of education is paramount, especially in the dynamic landscape of science education where fostering a sense of wonder can be transformative.

In the current educational paradigm, science instruction often revolves around the dissemination of facts and theories, leaving little room for students to explore, question, and develop a genuine interest in the subject matter. Recognizing the need to redefine educational approaches, this research seeks to investigate how integrating curiosity-based learning methodologies can reinvigorate science education, fostering an environment that not only imparts knowledge but also nurtures the inquisitive spirit of learners.

- **Objectives of the Study**

This study sets forth several key objectives:

a. To explore the theoretical underpinnings of curiosity and its interconnectedness with scientific creativity.
b. To examine the influence of curiosity-based learning on the development and enhancement of science process skills.
c. To identify effective strategies for incorporating curiosity into science education at various educational levels.
d. To evaluate the long-term effects of curiosity-driven learning on students' academic achievement, sustained interest in science, and potential pursuit of careers in STEM fields.

As we embark on this exploration, we aim to contribute valuable insights to educators, curriculum designers, and policymakers, offering a nuanced understanding of how curiosity-based learning can be harnessed to optimize science education and cultivate the next generation of scientifically creative minds.

Theoretical Framework:

The theoretical framework of this research delves into the psychological foundations of curiosity and its intricate connection to scientific creativity, as well as the theoretical underpinnings of science process skills. This section aims to provide a conceptual scaffold for understanding how curiosity-based learning can influence the development of scientific creativity and proficiency in science process skills.

- **Curiosity and Scientific Creativity**

At the core of this research is the exploration of the theoretical foundations that underpin the relationship between curiosity and scientific creativity. Psychological theories, such as those proposed by Csikszentmihalyi (1996) and Deci and Ryan (1985), provide insights into the intrinsic motivation driven by curiosity, emphasizing its pivotal role in the creative process. Csikszentmihalyi's concept of "flow" and the self-determination theory of Deci and Ryan illuminate how curiosity acts as a driving force, fostering a sense of engagement and satisfaction in the learning process.

Understanding curiosity as a dynamic, cyclical process, where questioning leads to exploration, discovery, and further curiosity, forms the basis for exploring its role in fostering scientific creativity. The theoretical framework will delve into the cyclical nature of the curiosity-drive, emphasizing how educators can leverage this cycle to sustain and enhance students' creative thinking in the scientific domain.

- **Science Process Skills**

To contextualize the relationship between curiosity and scientific creativity, a theoretical examination of science process skills becomes imperative. Science process skills, encompassing observation, classification, measurement, communication, and experimentation, represent the fundamental building blocks of scientific inquiry (Bybee, 1997). The theoretical framework will elucidate the cognitive processes involved in each skill and their interplay with curiosity.

By integrating literature on cognitive development (Piaget, 1970) and the acquisition of science process skills, this framework seeks to establish a theoretical foundation for understanding how curiosity acts as a catalyst for the mastery and application of these skills. The inquiry-based nature of curiosity aligns with the iterative process of scientific inquiry, emphasizing the symbiotic relationship between curiosity-driven exploration and the development of science process skills.

Overall, this theoretical framework serves as a guide for exploring the interconnectedness of curiosity, scientific creativity, and science process skills. By synthesizing psychological theories of motivation and cognitive development, this research aims to illuminate the mechanisms through which curiosity-based learning can be harnessed to optimize science education and nurture a generation of scientifically creative individuals.

Curiosity-Based Learning Strategies:

In response to the recognized importance of curiosity in scientific education, this section delves into various pedagogical strategies and instructional methodologies designed to foster curiosity in the learning environment.

- **Inquiry-Based Learning**

Inquiry-based learning represents a cornerstone strategy for integrating curiosity into science education. By encouraging students to pose questions, design experiments, and analyze results, this approach not only nurtures curiosity but also promotes active engagement with scientific concepts. Inquiry-based learning empowers students to take ownership of their learning process, transforming them from passive recipients of information to active investigators driven by their innate curiosity.

- **Problem-Based Learning**

Problem-based learning (PBL) is another effective strategy that capitalizes on curiosity. By presenting students with real-world problems or challenges, PBL stimulates curiosity as learners naturally seek solutions. This approach fosters critical thinking, collaboration, and creativity as students grapple with authentic scientific problems, inspiring a deeper and more sustained interest in the subject matter.

- **Experiential Learning**

The incorporation of hands-on, experiential learning opportunities is essential for engaging students' curiosity. Laboratory experiments, field trips, and interactive demonstrations provide tangible experiences that stimulate curiosity and allow students to directly observe scientific principles in action. The tactile and visual elements of experiential learning deepen understanding and foster a sense of wonder, making science more accessible and engaging.

- **Integration of Technology**

In the digital age, leveraging technology can be a powerful tool for nurturing curiosity in science education. Virtual simulations, online resources, and interactive multimedia presentations provide dynamic and immersive experiences that captivate students' interest. Integrating technology into the learning environment not only aligns with the preferences of modern learners but also opens new avenues for exploration and discovery.

- **Encouraging Curiosity-Driven Questions**

Creating a classroom culture that values and encourages students to ask questions is fundamental to curiosity-based learning. Teachers play a pivotal role in cultivating curiosity by fostering an environment where curiosity-driven questions are welcomed, and discussions are encouraged. This approach empowers students to explore their interests, promoting a sense of ownership and curiosity in their learning journey.

- **Personalized Learning Paths**

Recognizing that curiosity varies among individuals, personalized learning paths cater to diverse interests and learning styles. Offering students choices in topics, projects, or research areas allows them to pursue avenues that align with their unique curiosity, enhancing intrinsic motivation and fostering a sense of autonomy in their scientific exploration.

By integrating these curiosity-based learning strategies, educators can create a dynamic and engaging science education environment that not only imparts knowledge but also nurtures the natural curiosity of learners, paving the way for the development of scientific creativity and proficiency in science process skills.

Empirical Studies:

To substantiate the theoretical foundations and explore the practical implications of curiosity-based learning in science education, this section reviews empirical studies that investigate the impact of curiosity on scientific creativity and the development of science process skills.

Study 1: The Influence of Curiosity-Driven Inquiry on Student Engagement and Learning Outcomes

This study employs a mixed-methods approach to assess the impact of an inquiry-based learning program that explicitly incorporates curiosity-driven elements in a high school science classroom. Quantitative measures include pre- and post-assessment scores, while qualitative data are gathered through student interviews and observations. The study aims to determine the correlation between the integration of curiosity-driven inquiry and increased student engagement, creativity, and proficiency in science process skills.

Study 2: Longitudinal Analysis of Curiosity-Focused STEM Programs

Conducting a longitudinal analysis, this study examines the effects of participating in STEM programs that prioritize curiosity-based learning over an extended period. Utilizing standardized tests, surveys, and interviews, researchers aim to assess the enduring impact of sustained exposure to curiosity-driven pedagogy on students' scientific achievement, interest in STEM fields, and acquisition of advanced science process skills.

Study 3: Comparative Analysis of Curiosity-Infused vs. Traditional Science Curriculum

This comparative study investigates the effectiveness of a curriculum explicitly designed to infuse curiosity into science instruction. Two groups of students—one following a traditional curriculum and the other exposed to a curiosity-infused curriculum—are compared in terms of academic performance, motivation, and the development of science process skills. The study aims to provide insights into the differential impact of curiosity-based learning on various educational outcomes.

Study 4: Technology-Mediated Curiosity in Science Education

Exploring the role of technology in curiosity-based learning, this study assesses the impact of technology-mediated instructional approaches on students' curiosity, creativity, and science process skills. Virtual simulations, online platforms, and interactive tools are integrated into the curriculum, and both quantitative and qualitative measures are employed to evaluate the effectiveness of these technological interventions in fostering curiosity and enhancing scientific understanding.

Study 5: Case Studies of Curiosity-Driven Classrooms

This qualitative study employs in-depth case analyses of classrooms that actively implement curiosity-based learning strategies. Through classroom observations, teacher interviews, and student reflections, the research seeks to uncover the nuances of effective implementation, identifying key factors that contribute to the successful integration of curiosity into science education and its impact on students' scientific creativity and skill development.

These empirical studies collectively contribute to the growing body of evidence supporting the positive impact of curiosity-based learning on scientific creativity and the development of science process skills. By synthesizing the findings from these studies, educators and policymakers can gain valuable insights into the practical implications of incorporating curiosity-driven approaches into science education.

Long-Term Effects and Practical Implications:

Having explored the theoretical foundations and empirical evidence of curiosity-based learning in science education, this section delves into the long-term effects of such approaches and provides practical implications for educators, curriculum developers, and policymakers.

- **Academic Achievement and Retention**

Curiosity-driven learning has the potential to foster a sustained interest in science, positively impacting students' academic achievement. Longitudinal studies indicate that students exposed to curiosity-infused curricula demonstrate increased retention of scientific knowledge and a higher likelihood of pursuing advanced coursework in STEM fields. This suggests that integrating curiosity into science education can contribute to a pipeline of proficient and motivated students with enduring academic success.

- **Interest in STEM Careers**

A key long-term outcome is the influence of curiosity-based learning on students' career aspirations. Research suggests that students exposed to inquiry-based, curiosity-driven science education are more likely to express interest in pursuing STEM-related careers. By nurturing an intrinsic fascination with scientific exploration, educators can contribute to addressing the demand for skilled professionals in STEM fields, thereby promoting workforce development.

- **Intrinsic Motivation and Lifelong Learning**

Curiosity-driven learning instills a sense of intrinsic motivation, cultivating a love for learning that extends beyond formal education. Students who experience the joy of exploration are more likely to become lifelong learners, continuously seeking to expand their knowledge and engage with scientific concepts even outside the classroom. This intrinsic motivation becomes a lifelong asset, fostering a society that values and participates in ongoing scientific inquiry.

- **Innovation and Creativity**

Long-term exposure to curiosity-based learning contributes to the cultivation of innovative thinking and creativity. As students become adept at questioning, experimenting, and problem-solving, they are better equipped to navigate complex challenges in various domains. This skill set positions them as potential contributors to scientific advancements, technological innovations, and creative solutions to societal issues.

Practical Implications for Educators:

Educators play a crucial role in implementing curiosity-based learning strategies. Practical implications include:

- **Professional Development:** Educators should undergo professional development to enhance their skills in integrating curiosity into lesson planning, fostering an inquiry-based classroom culture, and effectively leveraging technology to support curiosity-driven learning.
- **Curriculum Design:** Curriculum developers should prioritize the integration of curiosity-based learning across science curricula, ensuring a balance between foundational knowledge and opportunities for student-driven exploration.
- **Assessment Strategies:** Assessments should be designed to evaluate not only factual knowledge but also the development of science process skills, creativity, and intrinsic motivation. A holistic approach to assessment aligns with the multifaceted outcomes of curiosity-based learning.
- **Flexible Learning Environments:** Classroom environments should be flexible, allowing for personalized learning experiences that cater to individual interests and curiosity. Incorporating flexible seating arrangements, project-based assessments, and interactive technologies can enhance the overall learning experience.

Policy Implications:

Policymakers can contribute to the widespread adoption of curiosity-based learning by:

- **Advocating for Curricular Reforms:** Policymakers should support initiatives that promote the integration of curiosity-driven approaches into national and state science curricula. This may involve revising standards, providing resources, and incentivizing schools to adopt innovative instructional strategies.
- **Allocating Resources:** Adequate funding should be allocated to schools for professional development opportunities, classroom resources, and technology infrastructure that support curiosity-based learning.
- **Recognizing and Rewarding Innovation:** Policymakers can implement policies that recognize and reward schools, educators, and districts that successfully integrate curiosity-driven learning into their science education programs.

In conclusion, the long-term effects of curiosity-based learning extend far beyond immediate academic gains. By fostering sustained interest, intrinsic motivation, and a commitment to lifelong learning, educators and policymakers can contribute to the development of a scientifically literate and creatively innovative society. Implementing practical strategies and policies that prioritize curiosity in science education holds the promise of shaping the next generation of scientifically engaged and curious individuals.

Challenges and Future Directions:

While curiosity-based learning in science education holds great promise, there are inherent challenges that educators, policymakers, and researchers must address. This section explores these challenges and proposes future directions for advancing the integration of curiosity into science education.

1. Challenges

Standardized Testing Pressures: The prevalence of standardized testing often imposes constraints on curricular time, emphasizing the need for content coverage over exploration and curiosity. Educators may face challenges in balancing the requirements of standardized assessments with the implementation of curiosity-driven learning, potentially hindering its widespread adoption.

Teacher Preparedness and Professional Development: Effectively implementing curiosity-based learning requires a shift in teaching methodologies. Many educators may lack the training and resources needed to seamlessly integrate curiosity-driven approaches into their classrooms. Ongoing professional development opportunities are essential to equip teachers with the skills and knowledge necessary for successful implementation.

Resource Disparities: Not all schools and classrooms have equal access to resources such as technology, laboratory equipment, and supplementary materials. Resource disparities may exacerbate educational inequities, limiting some students' exposure to curiosity-driven learning experiences and hindering their ability to fully engage with the scientific inquiry process.

Assessment Challenges: Traditional assessment methods may not effectively capture the multifaceted outcomes of curiosity-based learning, including creativity and intrinsic motivation. Developing valid and reliable assessment tools that align with the goals of curiosity-driven education poses a significant challenge.

2. Future Directions

Advocacy for Policy Reforms: Efforts to promote curiosity-based learning in science education should extend to advocacy for policy reforms at the institutional, district, and national levels. Policymakers can play a pivotal role in supporting initiatives that prioritize curiosity-driven approaches, allocate resources, and create a conducive policy environment for educators to experiment with innovative instructional methods.

Research on Best Practices: Ongoing research is essential to identify and disseminate best practices in implementing curiosity-based learning. Studies that explore effective strategies, successful interventions, and the impact of curiosity on diverse student populations can provide valuable insights for educators seeking evidence-based approaches.

Integration with STEM Initiatives: Curiosity-based learning aligns closely with the goals of STEM (Science, Technology, Engineering, and Mathematics) initiatives. Collaborative efforts between educators, STEM organizations, and policymakers can leverage existing STEM frameworks to promote and integrate curiosity-driven learning into broader educational initiatives.

Technology Integration and Accessibility: As technology continues to play a crucial role in education, future directions should include efforts to enhance accessibility and equity. This may involve developing low-cost technologies, providing training on tech integration in resource-constrained environments, and ensuring that technological advancements do not exacerbate existing educational disparities.

Interdisciplinary Approaches: Exploring interdisciplinary approaches that integrate curiosity-based learning across subjects can enhance the overall educational experience. By connecting scientific curiosity with other disciplines, students can develop a holistic understanding of the interconnected nature of knowledge and cultivate a broader set of skills.

Global Collaboration: Facilitating global collaboration and knowledge-sharing among educators, researchers, and policymakers can accelerate the adoption of curiosity-based learning on a broader scale. International collaboration provides opportunities to learn from diverse educational systems, share successful practices, and collectively address challenges associated with implementing curiosity-driven approaches.

In conclusion, addressing the challenges and advancing future directions in the integration of curiosity-based learning requires a collaborative and multifaceted approach. By advocating for policy changes, conducting research on best practices, and embracing innovative strategies, educators and policymakers can collectively work towards creating a more curiosity-driven, engaging, and equitable science education system.

Conclusion:

This research paper has delved into the multifaceted realm of curiosity-based learning and its profound impact on nurturing scientific creativity and fostering science process skills in education. As we conclude our exploration, it is evident that curiosity serves as a powerful catalyst, propelling learners into a dynamic journey of inquiry, discovery, and innovation within the domain of science. Theoretical foundations highlighted the interconnectedness of curiosity, scientific creativity, and science process skills, establishing a solid framework for understanding the cognitive and motivational aspects involved. Empirical studies provided empirical evidence supporting the positive impact of curiosity-driven approaches on student engagement, creativity, and proficiency in science. Examining curiosity-based learning strategies unveiled a diverse array of pedagogical approaches, from inquiry-based and problem-based learning to the integration of technology and experiential learning. These strategies not only cater to the diverse learning styles of students but also create an environment that fosters a genuine passion for scientific exploration.

Long-term effects and practical implications shed light on the enduring benefits of curiosity-driven education, including enhanced academic achievement, increased interest in STEM careers, intrinsic motivation, and a lifelong commitment to learning. Practical recommendations for educators and policymakers underscore the need for professional development, curriculum design, and policy reforms to support the effective implementation of curiosity-based learning. However, challenges, such as standardized testing pressures, resource disparities, and assessment complexities, must be acknowledged and addressed to ensure equitable access to curiosity-driven education. Looking forward, future directions emphasize the importance of advocating for policy reforms, conducting research on best practices, integrating with STEM initiatives, enhancing technology accessibility, embracing interdisciplinary approaches, and fostering global collaboration.

In conclusion, fostering curiosity-based learning in science education is not merely an educational enhancement but a societal investment. By harnessing the innate curiosity within learners, we have the potential to cultivate a generation of scientifically literate, creative, and inquisitive individuals equipped to tackle the complex challenges of the future. The journey towards curiosity-driven science education is ongoing, marked by continuous exploration, innovation, and a commitment to creating transformative learning environments that inspire the next generation of scientific pioneers.

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Contempt of Court by Advocates: A Prospective Study

Dr. Suresh Santani
Assistant Professor, GJ Advani Law College, Bandra, Mumbai
Corresponding Author- Dr. Suresh Santani
Email: sureshsantani@rediffmail.com
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Abstract:

"A lawyer is under obligation to do nothing that shall detract from the dignity of the Court".
To punish an Advocate for Contempt of Court must be regarded as an extreme measure, but it is required to preserve the proceedings of the Courts from being deflected or interfered with, and to keep the streams of justice pure, peaceful and undefiled. It becomes the duty of the Court to punish the contemner in order to preserve its dignity. No one can claim immunity from the operation of the law of contempt. However, the contempt of court is a special jurisdiction to be exercised sparingly and with caution, whenever an act adversely effects the administration of justice or which tends to impede its course or tends to shake public confidence in the judicial institutions. The power of the Supreme Court to punish for contempt of court is quite wide but it is yet limited and cannot be expanded to include the power to determine whether an advocate is also guilty of 'Professional misconduct'. Such power cannot be exercised to go bye to the procedure prescribed under the Advocates Act. No doubt the power to do complete justice under Article 142 is a corrective power which gives preference to equity over law but it cannot be used to deprive a professional lawyer of the due process contained in the Advocates Act 1961 by suspending his license to practice in a summary manner, while dealing with a case of contempt of court. The Court has a power to regulate the appearance of advocates in courts.

Keywords: Contempt by Advocate, Article 142, Advocates Act, 1961, Articles 129, 215 of the Constitution of India and the Contempt of Courts Act, Freedom of expression.

Introduction:

To punish an Advocate for Contempt of Court must be regarded as an extreme measure, but it is required to preserve the proceedings of the Courts from being deflected or interfered with, and to keep the streams of justice pure, peaceful and undefiled. It becomes the duty of the Court to punish the contemner in order to preserve its dignity. No one can claim immunity from the operation of the law of contempt. However, the contempt of court is a special jurisdiction to be exercised sparingly and with caution, whenever an act adversely effects the administration of justice or which tends to impede its course or tends to shake public confidence in the judicial institutions. This jurisdiction may also be exercised when the act complained of adversely effects the Majesty of Law or dignity of the courts. The purpose of contempt jurisdiction is to uphold the majesty and dignity of the Courts of law. It is an unusual type of jurisdiction combining 'the jury, the judge and the hangman' and it is so because the court is not adjudicating upon any claim between litigating parties.

The power of the Supreme Court to punish for contempt of court is quite wide but it is yet limited and cannot be expanded to include the power to determine whether an advocate is also guilty of 'Professional misconduct'. Such power cannot be exercised to go bye to the procedure prescribed under the Advocates Act. No doubt the power to do complete justice under Article 142[1] is a corrective power which gives preference to equity over law but it cannot be used to deprive a professional lawyer of the due process contained in the Advocates Act 1961 by suspending his license to practice in a summary manner, while dealing with a case of contempt of court.

- ***Meaning of Contempt of Court for a layman:***

The Contempt of Court Act, 1971 lays in details about the definitions, scope, powers and procedures in case of contempt of court. However, in simple words it can be stated that scandalising the court would mean any act done or writing published which is calculated to bring a court or a Judge into contempt, or to lower his authority, or to interfere with the due course of justice or the lawful process of the court. Scurrilous abuse of a Judge or court, or attacks on the personal character of a Judge, are punishable contempts. Criticism of a Judge's conduct or of the conduct of a court even if strongly worded is not contempt, provided that the criticism is fair, temperate and made in good faith and is not directed to the personal character of a Judge or to the impartiality of a Judge or court.[2] It is stated that libel upon courts is made contempt "to keep a blaze of glory around them, and to deter peoples from attempting to render them contemptible in the eyes of the public. A libel upon a court is a reflection upon the King, and telling the people that the

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[1] Power to do complete justice: Enforcement of decrees and orders of the Supreme Court and orders as to discovery, etc

[2] Halsbury's Laws of England (4th Edn.) Vol. 9, para 27, at p. 21

administration of justice is in weak or corrupt hands, that the fountain of justice itself is tainted, and consequently that judgments which stream out of that fountain must be impure and contaminated."[3] A libel upon a judge in his judicial capacity is a contempt, whether it concerns what he did in court, or what he did judicially out of it. All publications which offend against the dignity of the court, or are calculated to prejudice the course of justice, will constitute contempt.

- ***Jurisdiction to take action against Advocate - Statutory Provisions:***

The members of the judiciary are drawn primarily and invariably from the Bar at different levels. The Advocates Act, 1961 gave autonomy to a Bar Council of a State or Bar Council of India and Section 6(1) empowers them to make such action deemed necessary to set their house in order, to prevent fall in professional conduct and to punish the incorrigible as not befitting the noble profession apart from admission of the advocates on its roll. The Act enables the Bar Council to entertain and determine cases of misconduct against advocates on its roll[4].

- ***Conflict between the Constitutional jurisdiction under Articles 129, 215 of the Constitution of India and the Contempt of Courts Act:***

The exercise of powers under the contempt jurisdiction cannot be confused with the appellate jurisdiction under Section 38 of the Advocates Act. The two jurisdictions are separate and distinct. Any act of contempt of court, if it also happens to be an act of professional misconduct under the Bar Council of India Rules, the courts will have no power to take action since the Advocates Act confers exclusive power for taking action for such conduct on the disciplinary committees of the State Bar Council and the Bar Council of India. Such a proposition of law on the face of it observes rejection for the simple reason that the disciplinary jurisdiction of the State Bar council and the Bar Council of India to take action for professional misconduct is different from the jurisdiction of the Courts to take action against the advocates for the contempt of Court. The said jurisdictions co-exist independently of each other. The action taken under one jurisdiction does not bar an action under the other jurisdiction. In the matter of disciplinary jurisdiction under the Advocates Act, the Court is constituted as the final Appellate authority under Section 38 of the Act. In that capacity, the Apex court can impose any of the punishments mentioned in Section 35(3) of the Act including that of removal of the name of the Advocate from the State roll and of suspending him from practice. There is no reason why this court while exercising its contempt jurisdiction under Article 129[5] read with Article 142 cannot impose any of the said punishments. The punishment so imposed will not only be not against the provisions of any statute but in conformity with the substantive provisions of the Advocates Act and for conduct which is both a professional misconduct as well as the contempt of Court. It was held that the Court has the power to punish under Article 129 of the Constitution of India and it can punish advocate. The Court relied on previous decision and held that although in a case of professional misconduct, this Court cannot punish an advocate in exercise of its jurisdiction under Article 129 of the Constitution of India which can be imposed on a finding of professional misconduct recorded in the manner prescribed under the Advocates Act and the Rules framed thereunder[6].

- ***Freedom of expression and duty of Advocate vs Contempt of Court:***

It is true that freedom of speech and expression guaranteed by Article 19(1)(a) of the Constitution is one of the most precious liberties in any democracy. But equally important is the maintenance of respect for judicial independence which alone would protect the life, liberty and reputation of the citizen. So the nation's interest requires that criticism of the judiciary must be measured, strictly rational, sober and proceed from the highest motives without being coloured by partisan spirit or pressure tactics or intimidatory attitude. The Court must harmonise constitutional values of free criticism and the need for a fearless curial process and its presiding functionary i.e. judges' community. If freedom of expression subserves public interest in reasonable measure, public justice cannot gag it or manacle it; but if the court considered the attack on the Judge or Judges scurrilous, offensive, intimidatory or malicious, beyond condonable limits, the strong arm of the law must strike a blow on him who challenges the supremacy of the rule of the law by fouling its source and stream. Hence, the power to punish the contemner is granted to the court not because Judges need the protection but because the citizens need an impartial and strong judiciary. The Court also considered that criticism of the judiciary is not protected under Article 19(1)(a) of the Constitution. It was also observed that fair criticism is based on the authentic and acceptable material permissible but when criticism tends to create apprehension in the minds of the people regarding

[3] Oswald's Contempt of Court (3rd Edn.), 1993, at p. 50

[4] Section 6(1)(c) and rules made in that behalf, Sections 9, 35, 36, 36B and 37

[5] Supreme Court to be a court of record: The Supreme Court shall be a court of record and shall have all the powers of such a court including the power to punish for contempt of itself.

[6] Bar Council of India v. High Court of Kerala (2004) 6 SCC 311

integrity, ability and fairness of the Judge, it amounts to contempt. Such criticism is not protected under Article 19(1)(a) of the Constitution. It was also observed in C. Ravichandran Iyer case that the Judge should maintain high standard of conduct based on high tradition.

Judicial approach:

1. ***Resolution passed by the Bar Council against Judge[7]:*** In C. Ravichandran Iyer case the Court dealt with a matter with respect to allegation against the conduct of a Judge. A Resolution was passed by the Bar Council against Judge/Chief Justice of the High Court alleging misconduct. The Court held that Bar Council cannot make scurrilous criticism of conduct of the Judge/Chief Justice and pressurise or coerce him to demit the office. Such action would constitute contempt of court and affect independence of judiciary which is an essential attribute of rule of law and also affect judicial individualism. The Court also observed that where the Bar Council honestly doubts the conduct of the Judge/Chief Justice and such doubt is based on authentic and acceptable material, the proper course for officer bearers of the Bar Association would be to meet the Judge in camera and apprise him or approach the Chief Justice of that High Court to deal with the matter appropriately. When the allegation is against the Chief Justice of the High Court, Bar Association should directly approach the Chief Justice of India.
2. The Court, in the exercise of jurisdiction under Articles 142 and 129 while punishing in the contempt of court, cannot suspend a licence to practice. The Court further held that it is possible for the Court to prevent contemnor Advocate to appear before it till he purges himself of contempt but that is different from suspending or revoking his licence to practice or debarring him from practice for misconduct. The Apex Court also held in case of Advocate on Record that the Supreme Court possesses jurisdiction under its rules to withdraw the privilege to practice as Advocate on record as that privilege is conferred by this Court. The withdrawal of that privilege does not tantamount to suspending or revoking the licence.
3. The suspension of an Advocate from practice and his removal from the State roll of advocates are both punishments specifically provided for under the Advocates Act, 1961, for proven 'professional misconduct' of an advocate. While exercising its contempt jurisdiction under Article 129, the only cause or matter before the Court is regarding commission of contempt of court. ***The Court while exercising its jurisdiction under Article 129 cannot take over the jurisdiction of the disciplinary committee of the Bar Council of the State or the Bar Council of*** India to punish an advocate by suspending his licence, which punishment can only be imposed after a finding of professional misconduct is recorded in the manner prescribed under the Advocates Act and the Rules framed thereunder[8].
4. In Pravin C. Shah case[9] it was clearly observed that when an Advocate is found guilty of committing contempt of court and then he can be debarred from appearing in court until he purges himself of contempt as per guidelines laid down therein. However, the power to suspend enrolment and debarring from appearance are different from each other. In case of debarment, enrolment continues but a person cannot appear in court once he is guilty of contempt of court until he purges himself as provided in the rule. Debarment due to having been found guilty of contempt of court is not punishment of suspending the license for a specified period or permanently removing him from the roll of Advocates. While guilty of contempt his name still continuous on the roll of concerned Bar Council unless removed or suspended by Bar Council by taking appropriate disciplinary proceedings.
5. In V.C. Mishra case Cout observed that it is not disputed that suspension of the advocate from practice and his removal from the State roll of advocates are both punishments. There is no restriction or limitation on the nature of punishment that this Court may award while exercising its contempt jurisdiction and the said punishments can be the punishments the Court may impose while exercising the said jurisdiction[10].
6. Keeping in view the elaborate procedure prescribed under the Advocates Act 1961 and the Rules framed thereunder it follows that a complaint of professional misconduct is required to be tried by the disciplinary committee of the Bar Council, like the trial of a criminal case by a court of law and an advocate may be punished on the basis of evidence led before the disciplinary committee of the Bar Council after being afforded an opportunity of hearing. The delinquent advocate may be suspended from practice for a specified period or even removed from the rolls of the advocates or imposed any other punishment as provided under the Act. The inquiry is a detailed and elaborate one and is not of a summary nature. It is not permissible for the

[7] C. Ravichandran Iyer v. Justice A.M. Bhattacharjee and Others, (1995) 5 SCC 457

[8] Supreme Court Bar Association v. Union of India & Anr. (1998) 4 SCC 409

[9] Pravin C. Shah v. K. A. Mohd. Ali (2001) 8 SCC 650

[10] Vinay Chandra Mishra, Re (1995) 2 SCC 584

court to punish an advocate for 'professional misconduct' in exercise of the appellate jurisdiction by converting itself as the statutory body exercising 'original jurisdiction'. However, this court have the jurisdiction in exercise of its appellate powers under Section 38 of the Act read with Article 142 of the Constitution to proceed suo moto and send for the records from the Bar Council and pass appropriate orders against the advocate concerned.

7. A Constitution Bench of the Apex Court[11] observed that the Court in exercise of its jurisdiction under Article 142 of the Constitution of India is only empowered to proceed suo motu against an advocate for his misconduct and send for the records and pass an appropriate orders against the advocate concerned.
8. The court directed that whenever an advocate is convicted by the High Court for contempt of court, the Registrar of that High Court shall intimate the fact to all the courts within the jurisdiction of that High Court so that presiding officers of all courts would get the information that the particular advocate is under the spell of the interdict contained in Rule 11 of the Rules until he purges himself of the contempt[12].

Conclusion:

'Law is not trade, briefs no merchandise'. Advocates' duty is to legitimately present his side of the case to assist in the administration of justice. The Judges are selected from Bar and purity of Bench depends on the purity of the Bar. A lawyer is under obligation to do nothing that shall detract from the dignity of the court, of which he is himself a sworn officer and assistant. He should at all times pay deferential respect to the Judge, and scrupulously observe the decorum of the courtroom. All the stake holders of justice system i.e. courts, advocates, legislatures and executives should always function keeping in mind that nothing is more destructive of public confidence in the administration of justice than incivility, rudeness or disrespectful conduct on the part of a counsel towards the court or disregard by the court of the privileges of the bar. The Court has a power to regulate the appearance of advocates in courts. For the purpose of regulating his appearance in courts the High Court should be the appropriate authority to make rules and on a proper construction of Section 34(1) of the Advocates Act it must be inferred that the High Court has the power to make rules for regulating the appearance of Advocates and proceedings inside the courts. Obviously, the High Court is the only appropriate authority to be entrusted with this responsibility[13]. To control such unwanted and expected conduct the Indian judiciary is always bound and constitutionally competent to take required actions.

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"Tahsilwise Percentage of Area under Jowar to Net SownArea in Nashik District: A Geographical Analysis".

Dr. Rajaram D. Davankar
Asst. Prof. in Geography, Dr. Babasaheb Ambedkar Mahavidyalaya, Latur.
Corresponding Author- Dr. Rajaram D. Davankar
Email: - rd.davankar@gmail.com
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Abstract

In during 2021 out of total net sown area 4.47 percent area was noticed under jowar crop in the study region. Very low percent area under jowar crop was experienced in Surgana, Baglan, Trimbak, Igatpuri and Niphad tahsils whereas low percent area under jowar crop was found in Peint, Dindori, Kalwan, Devla, Chandwad, Yevla and Malegaon tahsils while very high percent area under jowar crop was recorded in Nashik, Sinner and Nandgaon tahsils of the study region

Key Words: Jowar is Major Food Crop, Jowar crop grown of dry and warm climate, Jowar crops is kharif as well as rabbi.

Introduction

Jowar (Sorghum) is a genus of plants in the grass family. Most species are native to Australia, with some extending to Africa, Asia, Mesoamerica and certain island in the Indian and Pacific Oceans. The plants of Jowar cultivated in warm climates worldwide and naturalized in many places. Jowar is the third important crop of country after the rice and wheat both in terms of area and production. The plant has a tendency to be grown in adverse climatic conditions. Among the different types of cereals crops in India. Major prominence is occupied by Jowar crops. Besides being a staple diet for the proper section of the society. It is also useful for animals' food and industrial raw materials. Different parts of the country have the potential to have these important cereals crop grown, which is also a major product of agriculture in many other countries. Since it can grow in semi-arid climates, where other crops do not have a chance have a growing, this crop has been grown in these areas.

Jowar crop required a good agriculture practice in the semi-arid climatic conditions in the country. In comparatively to with other crops of cereals food items, jowar has a significant value. Its grains are rich in carbohydrate, protein, minerals and vitamin hence provide a cheap food to large section of the poor population. Jowar is the principal cereal and most dominant crop in the cropping pattern of the study region. Jowar crop is well adapted to the environment of the study region. The main improved varieties grown in the study region are MBSH-7, CSH-9, CSH-14, M-35-1, Phule Yashoda and RSV-9R. Jowar crop having a first ranks among all the crops sown in the region.

Objective:

1) The main objective of the study to Table and map analysis of Tahsilwise Percentage of Area under Jowar to Net SownArea.

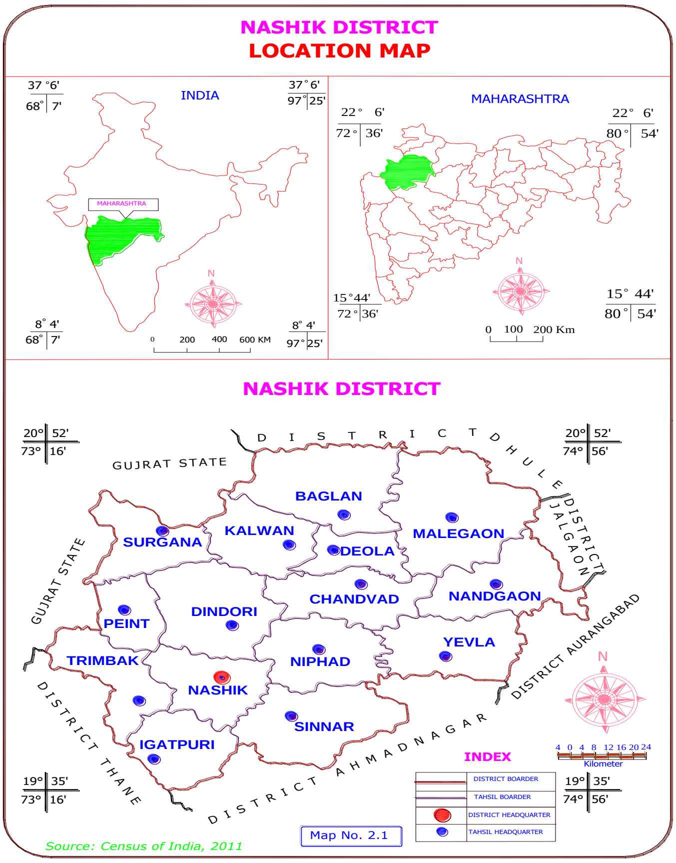
2) Find out the characteristics of Tahsilwise Percentage of Area under Jowar to Net Sown Area.

Methodology:

1) Data will be collected primary and secondary sources like personal interview.
2) Use the District census handbook and socio-economic abstract of Nashik District.
3) Chose the random sample of fifteen Taluka level places.
4) Analyze the characteristic of Tahsilwise Percentage of Area under Jowar to Net Sown Area on the basic of data available.

Study Area:

The Study region lies between $19^0 35'18''$ North latitude to $20^0 52'07''$ North latitude and $73^0 16'07''$ East longitude to $74^0 56'22''$ East longitude, total geographical area of the region is 15,530 sq.km. The total population of the region is 61,09,052 as per the census of 2011. The study region is Rhomboidal in the shape with the longer diagonal with 170 km. from South-West to North-East and it is extreme breadth of about 170 km. from North to South. The region is bounded on the North-West by the Dangs and Surat districts of Gujarat state, on the North side by the Dhule district, on the East side by the Jalgaon and Aurangabad district, on the south side by the Ahmednagar district and towards South-West side by the Thane district



Tahsilwise Percentage of Area under Jowar to Net SownArea (2001 and 2021)

Sr. No.	Name of Tahsils	2001	2021	Vol. of Change
1	Surgana	6.54	1.68	-4.85
2	Kalwan	13.24	5.86	-7.37
3	Deola	2.73	4.86	2.12
4	Baglan	2.71	0.38	-2.34
5	Malegaon	2.72	3.66	0.90
6	Nandgaon	4.62	10.84	6.21
7	Chandwad	6.82	3.30	-3.51
8	Dindori	16.77	3.33	-13.42
9	Peint	3.42	3.41	-0.04
10	Trimbak	2.51	0.81	-1.71
11	Nashik	3.52	11.82	8.28
12	Igatpuri	3.37	0.13	-3.23
13	Sinnar	4.16	10.83	-2.34
14	Niphad	9.17	0.50	-8.67
15	Yevla	10.95	5.74	-5.21
Total District		**6.21**	**4.47**	**-2.33**

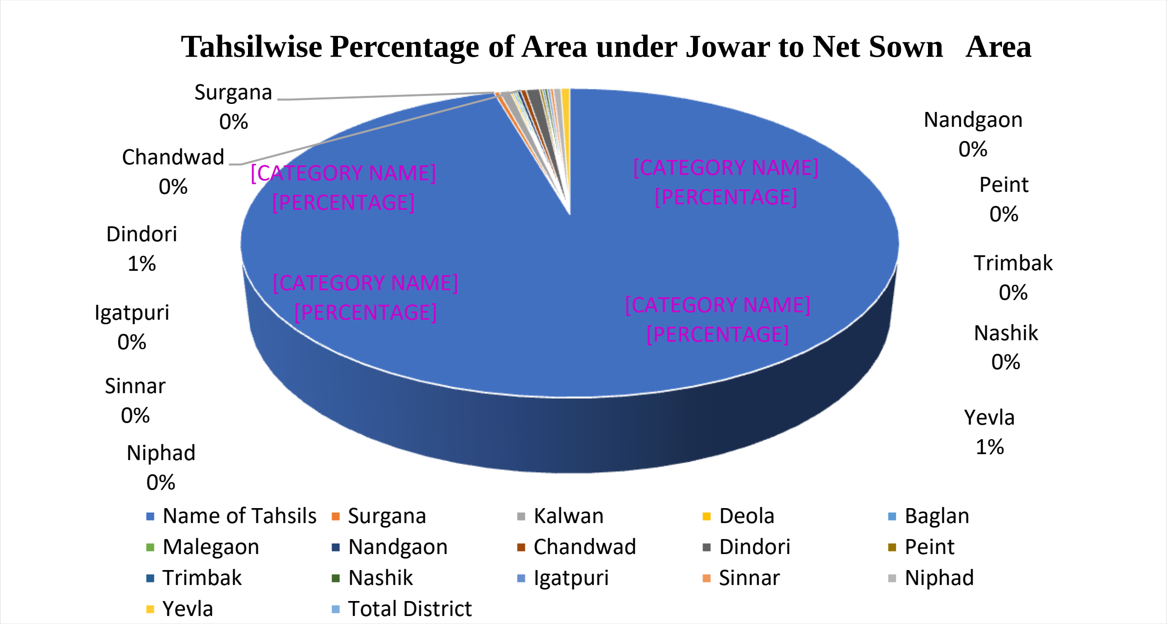


Table and Graph Analyze In during period of investigation, the area under jowar crop was reduced by 2.33 percent. In jowar crop cultivation have much more changes was noticed. 0.01 to 2 percent positive change was occurred in Malegaon tahsil whereas 2 to 4 percent positive changes was registered in Yevla tahsil while 6 to 8 percent positive changes was found in Nandgaon tahsil. Above 8 percent positive change was noticed in Nashik tahsil.

0.01 to 2 percent negative change was occurred in Trimbak and Peint tahsils whereas 2 to 4 percent negative change was observed in Baglan, Chandwad, Igatpuri and Sinner tahsil while 4 to 6 percent negative change was noticed in Surgana tahsil. 6 to 8 percent negative change was found in Kalwan tahsil whereas above 8 percent negative change was observed in Dindori and Niphad tahsil. The area under Jowar was decreases because of irrigation facilities and electrification, farmers is replacing the area under Jowar by other crops like sugarcane, fruits and vegetables etc. the distribution of Jowar is closely associated with the physiography, rainfall and soil types

Conclusion

Out of total cultivated area 6.21 percent area was occupied by jowar crop in during 2001 in the study region. Very low percent area under jowar was found in Trimbak, Baglan, Devla and Malegaon tahsils, low percentage area under jowar crop was recorded in Peint, Nashik, Igatpuri, Sinner and Nandgaon tahsils whereas medium percent area under jowar crop was registered in Surgana and Chandwad tahsils. High percent area under jowar crop was noticed in Niphad tahsil while very high percent area under jowar crop was shown in Kalwan, Dindori and Yevla tahsils of the study region during the period of 2001

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Demographic Characteristics of Scheduled Caste and Scheduled Tribe Population in Solapur District : With Special reference to Mohol Tahsil

Dr. Ankush Shankar Shinde[1], Shri Mahendra Bhimrao Kasabe[2]
[1]Associate Professor, Department of Geography, C.B.K's B. Sc,R. V. Commerce & R.J. Arts College, Akkalkot.
[2]Research Student, Research Student, D.B. F's Dayanand College of Arts and Science, Solapur
Corresponding Author- Dr. Ankush Shankar Shinde
Email:- ankushshindegeo@gmail.com.
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Abstract

Mohol tahsil is located in the middle southeast part of Solapur district. The tahsil situated in between Sina & Bori river basin. It is surrounded by Barshi tahsil to the northern part, Mohol tahsil to the East, Solapur South tahsil to the south part and Akkalkot tahsil to the southwest & west part. It's an area of 1327.55 Km² and holds the 7th rank of tahsil areal extension in Solapur District. This tahsil has situated on the central upland part of Solapur District . The latitudinal extent is **17˚33'1**" N to **18˚01'0**" North and longitudinal extent is **75˚2'45**" E to **75˚49'20**" East. This Solapur North tahsil is mainly rural in character and has **104** villages according to 2011 census. Mohol tahsil is in drought prone region where temperature ranges between 13˚C in winter season & 42˚C in summer season and the annual rainfall is less than 511 mm.

The ratio of total female persons to 1000 male persons in a given area, is known as a sex ratio. There is a greater variation maintaining the sex ratio among the different communities in India due to the socio-economic varies between them. Franklin (1956) rightly observes that sex ratio was an index of economy prevailing in an area and was useful tool for regional analysis. The knowledge of sex ratio is essential for understanding the employment and consumption patterns, and social needs etc of a community. The proportion of combined scheduled caste and Scheduled tribe population is about 16.27% in 1981; about 16.90% in 1991; about 16.80% in 2001 & about 16.84% in 2011. The sex ratio of combined SC&ST population was about 929 f/1000 m persons in 1991; about 931 f/1000 m persons in 2001 & 938 f/1000 m persons in 2011. An attempt is made to focus on distribution and sex ratio of combined scheduled casteand scheduled tribe population in Mohol tahsil of Solapur district since 1991 to 2011 at village group level.
Key Words :- Population distribution, Scheduled caste , Scheduled tribe, Sex ratio

Introduction:-

From immemorial time the Scheduled castes and Scheduled tribes were oppressed and depressed population in India due to the castism system of society and they were lagged behind in literacy and well being of life. They were mainly engaged as agricultural laborers in agricultural sectors. Nearly 45 scheduled castes and 19 notified scheduled tribes are found in Mohol tahsil as like of Solapur district in scattered distribution type. These are lagged behind in all socio-economic status like literacy rate, employment rate and land holding capacity as compared to open community. The proportion of combined scheduled caste and Scheduled tribe population is about 16.27% in 1981; about 16.90% in 1991; about 16.80% in 2001 & about 16.84% in 2011. The sex ratio of combined SC&ST population was about 929 f/1000 m persons in 1991; about 931 f/1000 m persons in 2001 & 938 f/1000 m persons in 2011. An attempt is made to focus on distribution and sex ratio of combined scheduled caste and scheduled tribe population in Mohol tahsil of Solapur district since 1991 to 2011 at village group level.

Rational of Study :-

SC and ST populations are mainly engaged as agricultural labourers in agricultural sectors. Literacy is very less as compared to the total population due to the boycotting themselves from educational facilities from a long period. Therefore, study about Scheduled caste and Scheduled tribe is very essential for implementing suitable plans for their upliftment for eradicating poverty and strengthening and enhancing literacy rate for increasing employment in government, semi-government and different various socioeconomic co-operative societies and private sectors.

Objectives :-

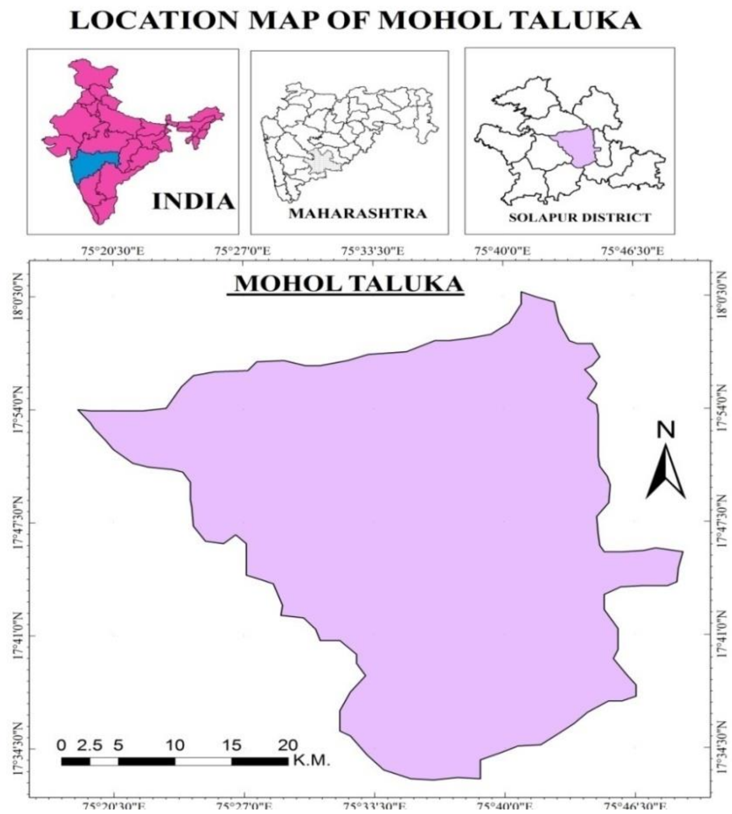
1) To study Population growth and distribution of SC and ST population in Mohol tahsil.
2) To study sex ratio of SC and ST population in Mohol tahsil.

Hypothesis :-

1) Mostly sex ratio has been changed of SC and ST population due to migration from their place towards another place in search of wager purpose in rural villages.
2) Sex ratio of SC and ST population is a good than total population's sex ratio because SC & ST population does not given any preference to male child and small family size. They gave preference to more childrens in their family.

Study Area

Mohol tahsil is located in the middle southeast part of Solapur district. The tahsil situated in between Sina & Bori river basin. It is surrounded by Barshi tahsil to the northern part, Mohol tahsil to the East, Solapur South tahsil to the south part and Akkalkot tahsil to the southwest & west part. It's an area of 1327.55 Km² and holds the 7th rank of tahsil areal extension in Solapur District. This tahsil has situated on the central upland part of Solapur District . The latitudinal extent is **17˚33'1**" N to **18˚01'0**" North and longitudinal extent is **75˚2'45**" E to **75˚49'20**" East. This Solapur North tahsil is mainly rural in character and has **104** villages according to 2011 census. Mohol tahsil is in drought prone region where temperature ranges between 13˚C in winter season & 42˚C in summer season and the annual rainfall is less than 511 mm.



Research Methodology

The present paper is primarily based on secondary data. The data on decadal year for the census year have been collected. Considering a village as a unit for the Akkalkot tahsil in Solapur District of Maharashtra , the data have been collected of Village Panchayat Samiti, Tahsil office Akkalkot , Socio economic review book, Statistical Abstract of Solapur District . The data pertaining to the period from 1991 to 2011 . Since the study area is large enough for detailed socio economic survey on village level data. Primarily the study is based on block level published and unpublished data. We studying the methods necessity to subject, e.g. growth & distribution.

STATISTICAL METHOD USED

$$R = \frac{Pn-Po}{Po} \text{ x } 100$$

Whereas, R = Growth Rate ; Pn= Population of the next year, Po= Population of the base year; R = Percentage value.

Here tertiary sex ratio is considered & it is calculated as under:

$$R = \frac{\text{Female Population } (P\,f)}{\text{Male Population } (P\,m)}$$

X 1000

To the detail study of Mohol tahsil, all the villages are categorized according to the revenue group of tehsil described as per government known as Sethphal (16 villages included), Mohol (15), Narkhed (15), Sawaleshwar (18), Takali Sikandar (12), Wagholi (26) in 2011.

Discussion:-

Table No 1 :- Combined Scheduled Caste (SC) and Scheduled Tribe (ST) population in Mohol tahsil.

Combined Scheduled Caste (SC) and Scheduled Tribe (ST) population in Mohol tahsil.									
Sr. No	Name of Taluka	Population of Combining SC & ST Population			Proportion of SC &ST Population to tahsil SC & ST Population			Growth Rate	
		1991	2001	2011	1991	2001	2001	1991-2001	2001-2011
1	Sethphal	6040	6371	7043	16.74	14.70	15.29	5.48	10.55
2	Mohol	7528	9622	10518	20.87	22.20	22.83	27.82	9.31

3	Narkhed	3241	3154	2952	8.98	7.28	6.41	-2.68	-6.40
4	Sawaleshwar	4580	5587	6036	12.70	12.89	13.10	21.99	8.04
5	Takali Sikandar	6752	8751	8877	18.72	20.19	19.27	29.61	1.44
6	Wagoli	7936	9863	10642	22.00	22.75	23.10	24.28	7.90
Ruralised tahsil		36077	43348	46068	100	100	100	20.15	6.27
Total Mohol Tahsil		36077	43348	46068				20.15	6.27
Solapur District		546265	647049	727337	16.90	16.80	16.84	18.44	12.40

Source : Compiled by Author from Census

The total population of combined Scheduled Caste (SC) and Scheduled tribe were person was about 36077 persons in 1991; about 43348 persons in 2001 and 46068 persons in 2011. The decadal growth of that population was 20.15 % in 1991-2001 and about 6.27 % in 2001-2011.

The village group wise proportion of SC and ST Population in Mohol tahsil is varies from 1991 to 2011. As per census 1991, higher proportion was found in Wagoli village group i.e.> 21.67% ; Medium high proportion in Sethapalh , Mohol, Takli Sikandar village group i.e. 16.67 to 21.67% ; Medium proportion is in Sawaleshwar village group i.e. 11.67 to 16.67 % and Lower proportion in Narkhed village group i.e 6.67 to 11.67% to the Mohol tahsil.

As per census 2001, Medium higher proportion was found in Mohol , Wagoli, Takli Sikandar village group i.e. 16.67 to 22.78 % ; Medium proportion in Sethapalh , Sawaleshwar village group i.e. 10.56 to 16.67% ; and Lower proportion in Narkhed village group i.e 4.45 to 10.56 % to the Mohol tahsil.

The population growth of combined Scheduled Caste and Scheduled tribe population of Mohol tahsil was about 20.15% in 1991-2001 and about 6.27% in 2001-2011. Village group wise population growth in Mohol tahsil is varies from 1991-2001 and 2001-2011. In 1991-2001, higher population growth is found in Mohol, Sawaleshwar, Takali-Sikandar and Wagoli village group i.e. > 17.75% ; medium growth in Sethpalh village group i.e 4.55 to 17.75% and lower growth is in Narkhed village group i.e. < 4.55% in Mohol tahsil. In 2001-2011, higher population growth is found in Mohol, Sawaleshwar, Takali-Sikandar and Wagoli village group i.e. > 5.14% ; medium growth in Sethpalh village group i.e Negative 1.33 to 17.75% and lower growth is in Narkhed village group i.e. < Negative 1.33% in Mohol tahsil.

Table No. 2: Combined Scheduled Caste (SC) and Scheduled Tribe (ST) Male & Female Population in Mohol Tahsil

SC and ST Male & Female Population in Mohol Tahsil							
Sr. No	**Village Circle block**	**SC& ST Male Population**			**SC &ST Female population**		
		1991	**2001**	**2011**	**1991**	**2001**	**2011**
1	Sethphal	3117	3282	3635	2923	3089	3408
2	Mohol	3945	4970	5400	3583	4652	5118
3	Narkhed	1630	1626	1533	1611	1528	1419
4	Sawaleshwar	2337	2856	3047	2243	2731	2989
5	Takali Sikandar	3516	4564	4659	3236	4187	4218
6	Wagoli	4160	5155	5502	3776	4708	5140
Ruralised tahsil		18705	22453	23776	17372	20895	22292
Total Mohol Tahsil		18705	22453	23776	17372	20895	22292

The village group wise proportion of SC and ST male population in Mohol tahsil is varies from 1991 to 2011. Total number of combined SC & ST male population was about 18705 person in 1991; about 22453 person in 2001 and about 23776 person in 2011.

As per census 1991, higher SC& ST male proportion was found in Wagoli village group i.e.> 21.88% ; Medium high proportion in Mohol, Takli Sikandar village group i.e. 16.67 to 21.88% ; Medium proportion is in Sethpalh,Sawaleshwar village group i.e. 11.46 to 16.67 % and Lower proportion in Narkhed village group i.e 6.25 to 11.46 % to the combined SC &ST male population in Mohol tahsil.

As per census 2001 , higher SC& ST male proportion was found in Wagoli village group i.e.> 22.86% ; Medium high proportion in Mohol, Takli Sikandar village group i.e. 16.67 to 22.86% ; Medium proportion is in Sethpalh,Sawaleshwar village group i.e. 10.48 to 16.67 % and Lower proportion in Narkhed village group i.e 4.29 to 10.48 % to the combined SC &ST male population in Mohol tahsil.

As per census 2011 , higher SC& ST male proportion was found in Wagoli village group i.e.> 23.12% ; Medium high proportion in Mohol, Takli Sikandar village group i.e. 16.67 to 23.12% ; Medium proportion is in Sethpalh,Sawaleshwar village group i.e. 10.22 to 16.67 % and Lower proportion in Narkhed village group i.e 3.77 to 10.22 % to the combined SC &ST male population in Mohol tahsil.

Total number of combined SC &ST female population was about 17372 person in 1991; about 20895 person in 2001 and about 22292 person in 2011.

As per census 1991, higher SC& ST female proportion was found in Wagoli village group i.e.> 21.44% ; Medium high proportion in Sethpalh, Mohol, Takli Sikandar village group i.e. 16.67 to 21.44% ; Medium proportion is in Sawaleshwar village group i.e. 11.90 to 16.67 % and Lower proportion in Narkhed village group i.e 7.13 to 11.90 % to the combined SC &ST male population in Mohol tahsil.

As per census 2001, Medium high proportion in Mohol, Takli Sikandar, Wagoli village group i.e. 16.67 to 22.69% ; Medium proportion is in Sethphal, Sawaleshwar village group i.e. 10.62 to 16.67 % and Lower proportion in Narkhed village group i.e 4.63 to 10.62 % to the combined SC &ST male population in Mohol tahsil.

As per census 2011, higher SC& ST female proportion was found in Wagoli village group i.e.> 23.06% ; Medium high proportion in Mohol, Takli Sikandar village group i.e. 16.67 to 23.06% ; Medium proportion is in Sethpalh, Sawaleshwar village group i.e. 10.28 to 16.67 % and Lower proportion in Narkhed village group i.e 3.89 to 10.28 % to the combined SC &ST male population in Mohol tahsil.

Table No. 3: Sex Ratio of Combined Scheduled Caste (SC) and Scheduled Tribe (ST) Male & Female Population in Mohol Tahsil

Sex ratio of combined SC &ST Population in Mohol tahsil						
Sr No	**Name of Taluka**	**SC and ST Sex Ratio**			**Changes in Sex Ratio**	
		1991	**2001**	**2011**	**1991-2001**	**2001-2011**
1	Sethphal	938	942	938	+04	-04
2	Mohol	909	936	948	+27	+12
3	Narkhed	989	940	926	-49	-14
4	Sawaleshwar	960	957	981	-03	+24
5	Takali Sikandar	921	918	906	-03	-12
6	Wagoli	908	914	935	+06	+21
Ruralised tahsil		929	931	938	+03	+07
Total Mohol Tahsil		929	931	938	-02	+07

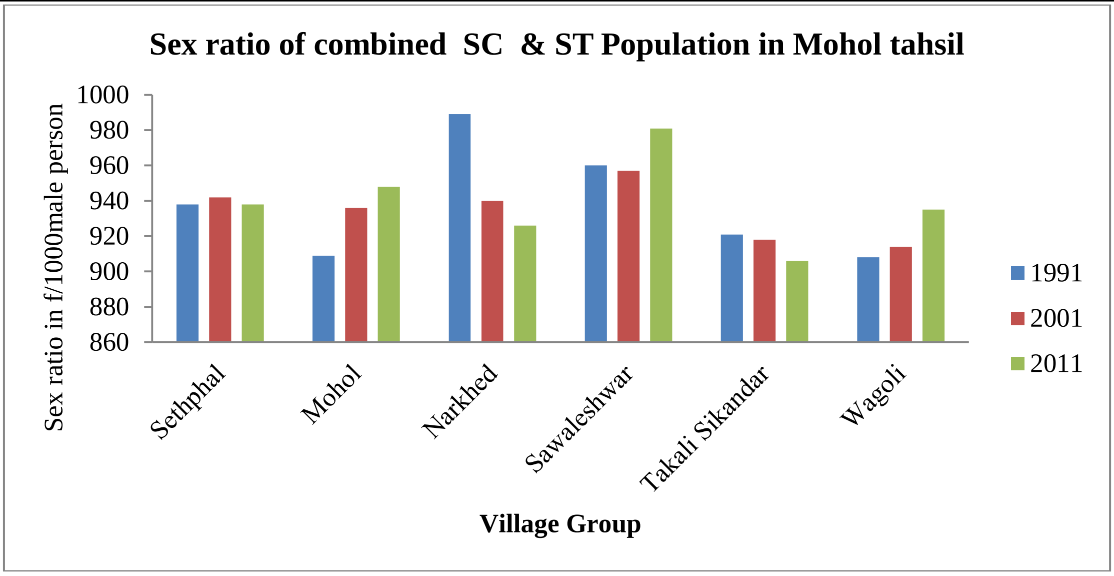
The ratio of total female persons to 1000 male persons in a given area, is known as a sex ratio. There is a greater variation maintaining the sex ratio among the different communities in India due to the socio-economic varies between them. Franklin (1956) rightly observes that sex ratio was an index of economy prevailing in an area and was useful tool for regional analysis. The knowledge of sex ratio is essential for understanding the employment and consumption patterns, and social needs etc of a community.

As per census of 1991, the sex ratio of combining SC & ST population was about 929 *f/1000m person* in 1991; about 931 *f/1000m person* in 2001 and about 938 *f/1000m person* in 2011.

The sex ratio of combining SC & ST population was about 929 *f/1000m person* in 1991 in which higher sex ratio was found in Narkhed village group i.e. > 971 *f/1000m person;* medium higher sex ratio is Sawaleshwar village group i.e 951 to 970 *f/1000m person;* medium lower in Sethpalh village group i.e 926 to 940 *f/1000m person*; low sex ratio in Mohol, Takalisikandar, Wagoli village group i.e. 901 to 925 *f/1000m person* in Mohol tahsil.

The sex ratio of combining SC & ST population was about 931 *f/1000m person* in 2001 in which medium higher sex ratio is Sawaleshwar village group i.e 951 to 970 *f/1000m person;* medium lower in Sethpalh, Mohol, Narkhed village group i.e 926 to 940 *f/1000m person*; low sex ratio in Takali sikandar, Wagoli village group i.e. 901 to 925 *f/1000m person* in Mohol tahsil.

The sex ratio of combining SC & ST population was about 938 *f/1000m person* in 2011 in which higher sex ratio is Sawaleshwar village group i.e > 971 *f/1000m person;* medium sex ratio in Mohol village group i.e. 941 to 950 *f/1000m person*; medium low sex ratio in Sethpalh, Narkhed, Wagoli village group and low sex ratio in Takali sikandar, village group i.e. 901 to 925 *f/1000m person* in Mohol tahsil.



Conclusion:-

1) The proportion of combined SC &ST population of Mohol tahsil accounts about 16.90% in 1991 ; about 16.80% in 2001 and about 16.84% in 2011 to the district's total SC &ST population.
2) Population growth in 2001-11 has been declined as compared to 1991-2001 in Mohol tahsil.
3) The distribution of Scheduled Caste and Scheduled tribe in Mohol tahsil is village group wise varies from 1991 to 2011.
4) Wagoli village circle has higher or medium higher proportion of combined SC &ST population in terms of male, female and both population from 1991 to 2011 in Mohol tahsil.
5) Narkhed village circle has lower proportion of combined SC &ST population in terms of male, female and both population from 1991 to 2011 in Mohol tahsil.
6) All village groups in Mohol tahsil shows average sex ratio of combined SC &ST population as like of total sex ratio.
7) There is no any village group found in Mohol tahsil as worst sex ratio in combined SC & ST population from 1991 to 2011.

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18. Dr. Ankush Shinde and Mr Dhuloba *Waghamode "कृषी भू-धारण क्षेत्र आणि सिंचन क्षेत्राचा भौगोलिक अभ्यास : विशेषत: सोलापूर जिल्ह्यातील अनुसूचित जाती व जमातीतील शेतकऱ्यांचा एक नमुना अभ्यास"* International Journal of Advance and Applied Research (IJAAR) Impact Factor – 7.328 ISSN – 2347-7075 , Vol.4, Issue Dec 2023.

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A Geographical Study of Cropping Pattern and Irrigation Status in Sangli District

Dr. Ankush Shankar Shinde[1], Mr Sudhakar Bhaurao Kamble2
[1]Associate Professor, Department of Geography, C. B. Khedgi's B. Science,
R.V. Commerce and R. J. Arts college, Akkalkot. Dist-Solapur.
[2]Research student, Research student of Geography department,
D. B. F's Dayanand College of Arts and Science, Solapur.
Corresponding Author- Dr. Ankush Shankar Shinde
Email: - ankushshindegeo@gmail.com
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Abstract

Sangli district is situated in the southern part of Maharashtra state. The latitudinal extent of the district is 16°43' to17°38'latitudeto the north and73°'41 to 75°'41longitude to the east. East -west length of the district is 205Kms long while and north- south length 96Kms long. On the southern side, it is bordered by Satara district in the west and Solapur district in the east. On the southernside, it is bordered by the Kolhapur district in the west, Belgaum and Bijapur district in the centre and east, The latter continues to border the Sangli district on the eastern side also while beyond the Sahyadris on the west lies the Ratnagiri district. It comprising of Tasgaon, Kadegaon, Miraj, Palus, Khanapur, Jat, Kavtemahankal, Walava, Atpadi, Shirala taluka. The geographical area of Sangli district is about 8591.3 Km² and it account's about 2.80% area within Maharashtra state. The study is useful for understanding certainly helps in the agricultural development. This understanding certainly helps in the agricultural and cropping planning for enhancing the status of farmers . The study is based on secondary data which is collected from census & government documents. The gross cropped area of Sangli 66352 Ha in 2000-01 and it was about 668425 Ha in 2015-16. The proportion of irrigated area to net sown area was about 22.09% in 2000-01 and about 29.39% in 2015-16. The proportion of gross irrigated area to total cropped area was about 20.06 % in 2000-1 and about 32.28% in 2015-16.

Keywords: Gross cropped area, net irrigated area, cropping pattern, irrigation intensity, cropping intensity.

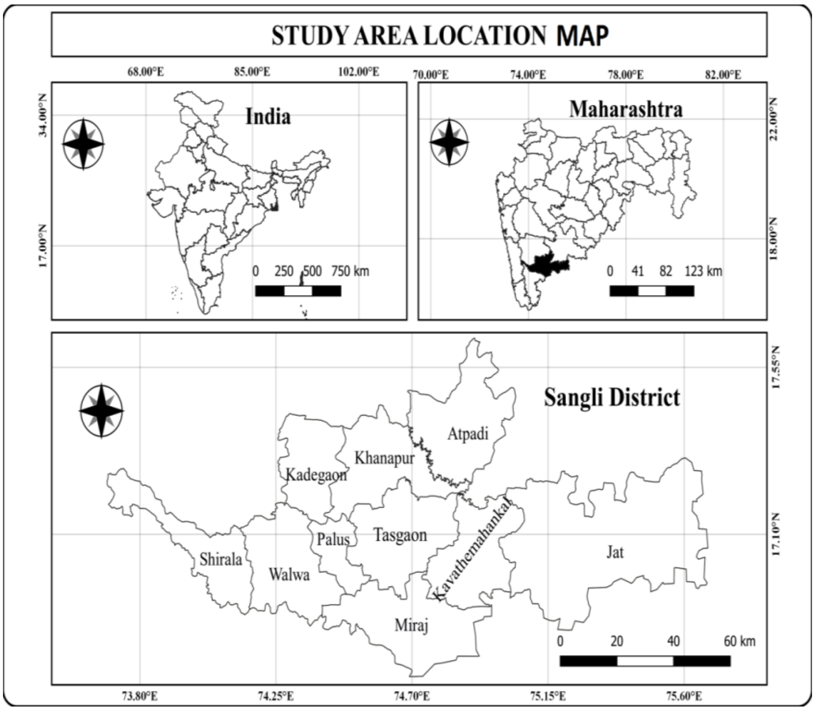
Introduction:

All agriculture activities is so much important that its development determines regional socio-economic well-being which is the back-bone of country's economy. But the physiography & climatic condition is different region to region that shows regional imbalance of agriculture development in the state. It is found greater variation in irrigation facilities and development in state. "An irrigation is the artificial application of water to the land in accordance with the crop requirements throughout the crop period, for full fledged nourishment of the crops". Irrigation occupies the most important place in those areas where the economy is entirely depending upon agriculture. Irrigation is the most important requirement in the package practices for intensive and efficient cultivation of the high yielding varieties and also for multiple cropping. It encourages the farmer to adopt scientific techniques and go in for more intensive cropping thereby creating new opportunities for gainful employment. Irrigation can't be considered for its protective of insurance against the vagaries of rainfall and drought, but has to study in the content of the adaptation of high yielding varieties, chemical fertilizer and overall development of agriculture as well. The study is useful for understanding certainly helps in the agricultural development. This understanding certainly helps in the agricultural and cropping planning for enhancing the status of farmers . The gross cropped area of Sangli 66352 Ha in 2000-01 and it was about 668425 Ha in 2015-16. The proportion of irrigated area to net sown area was about 22.09% in 2000-01 and about 29.39% in 2015-16. The proportion of gross irrigated area to total cropped area was about 20.06 % in 2000-1 and about 32.28% in 2015-16.

Objectives

1. To Study the irrigation status in Sangli district.
2. To study the cropping pattern in Sangli district.
3. To study the irrigation intensity and cropping intensity in the district.
4. To suggest the better policy framework based on finding it necessary.

Study Region



Sangli district is situated in the southern part of Maharashtra state. The latitudinal extent of the district is 16°43' to17°38'latitudeto the north and73°'41 to 75°'41longitude to the east. East -west length of the district is 205Kms long while and north- south leng th 96Kms long.On the southern side, it is bordered by Satara district in the west and Solapur district in the east. On the southernside, it is bordered by the Kolhapur district in the west, Belgaum and Bijapur district in the centre and east, The latter continues to border the Sangli district on the eastern side also while beyond the Sahyadris on the west lies the Ratnagiri district. It comprising of Tasgaon, Kadegaon, Miraj, Palus, Khanapur, Jat, Kavtemahankal, Walava, Atpadi, Shirala taluka. The geographical area of Sangli district is about 8591.3Km² and it account's about 2.80% area within Maharashtra state.

Data Collection and Methodology:

The data will be collected from secondary sources, will be collected from official statistical from socio-economic review, district census handbook, gazetteer's, agriculture epitomes, bulletins department of irrigation, groundwater survey and development agency of Maharashtra state, book, websites, internet etc.

The following formulas are used for calculating cropping intensity and irrigation intensity as

$$\text{Irrigation intensity} = \frac{Gross\ Irrigated\ Area}{Net\ Irrigated\ Area} \times 100$$

$$\text{Cropping intensity} = \frac{Gross\ Cropped\ Area}{Net\ Sown\ Area} \times 100$$

Discussion:

1) Cropping Pattern of Sangli District (in Ha)

Cropping Pattern in Sangli District (Ha)				
Sr. No.	**Crop**	**2000-01**	**2015-16**	**Difference**
1	All cereals	26644	48092	21448
2	All Pulses	415839	421679	5840
3	Total foodgrains	442483	469771	27288
4	All oilseeds	103605	77594	-26011
5	Non Food crops	107493	78645	-28848
6	Fodder and greeneries	1515	445	-1070
7	All vegetables	128	11704	11576
8	Total fruits	11675	27848	16173
9	Fruits and Vegetables	11803	39552	27749
10	Total Spices	872	1811	939
Net Sown Area		591000	588056	-2944
Total Cropped Area		660352	668425	8073

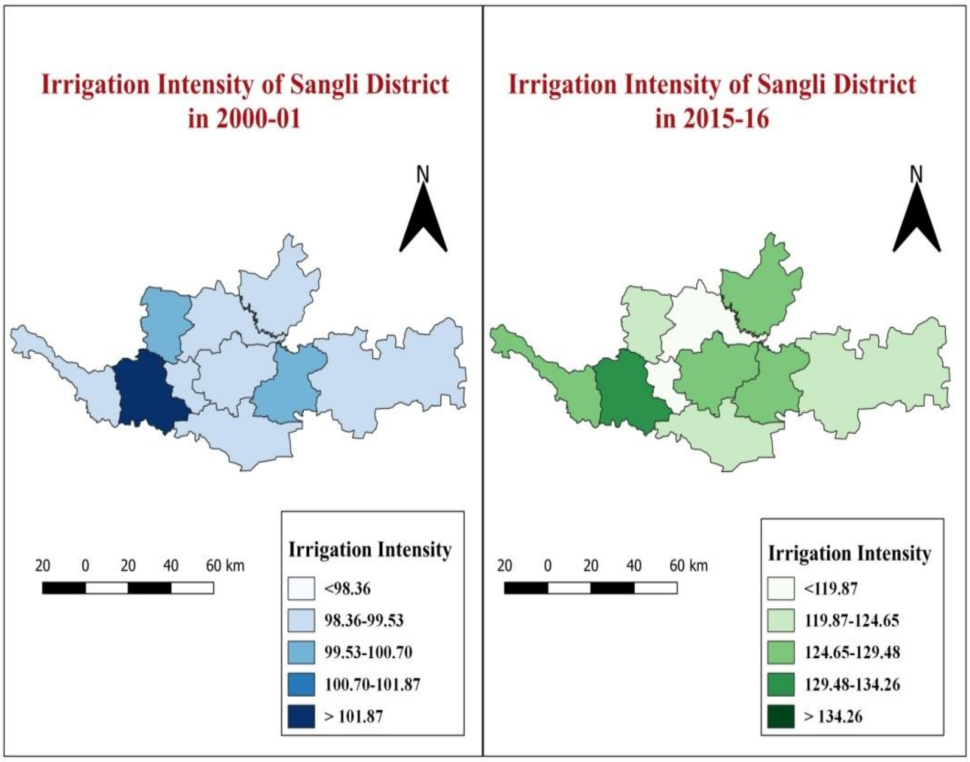
In the year 2000-01, total cropped area was about 660352 Ha in which all cereals accounts about 4.3% ; all pulses accounts about 62.97%; total foodgrains accounts about 67.01%; all oilseeds accounts 15.69%, Fodder and greeneries accounts about 0.23%; fruits and vegetables accounts about 1.79% , total food crops 78.26% in the district. In the year 2015-16, total cropped area was about 668425 Ha in which all cereals accounts about 7.19% ; all pulses accounts about 63.09%; total foodgrains accounts about 70.28%; all oilseeds accounts 11.61%, Fodder and greeneries accounts about 0.07%; fruits and vegetables accounts about 5.92% , total food crops 93.42% in the district. In the investigation period of 2000-1 to 2015-16, there is a positive changes under all cereals , all pulses and all foodgrains, vegetables and fruits cropped area while area under all oilseeds, non foodcrops, fodder and greeneries.

2) Cropping Intensity and Irrigation Intensity in Sangli district.

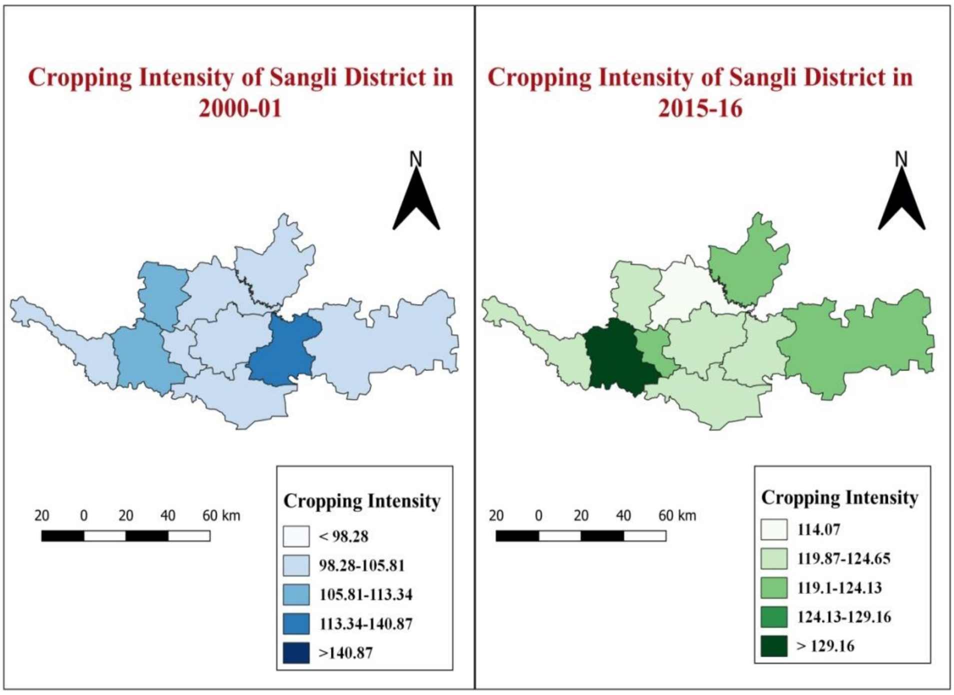
Sr. No.	Tahsil	Cropping Intensity (%)			Irrigation Intensity(%)		
		2000-01	2015-16	Difference	2000-01	2015-16	Difference
1	Aatpadi	101.18	120.02	18.84	100.41	130.53	30.12
2	Jat	103.58	121.15	17.57	100.48	124.21	23.72
3	Kadegaon	109.65	118.03	8.38	100.89	123.94	23.05
4	Kavtemahankal	126.66	116.91	-9.75	100.25	128.33	28.08
5	Khanapur	104.05	109.54	5.49	100.10	116.98	16.87
6	Miraj	101.24	118.42	17.18	100.17	120.44	20.27
7	Palus	100.87	120.15	19.28	100.06	117.89	17.83
8	Shirala	101.04	117.18	16.14	100.00	124.82	24.82
9	Tasgaon	101.83	118.44	16.62	100.51	127.88	27.37
10	Walava	107.98	131.13	23.15	104.13	131.47	27.33
District		105.63	119.56	13.94	101.45	124.84	23.40

During 2000-01, the intensity of irrigation is about 101.45 % in the district in which higher irrigation intensity is found in Walva tahsil (>101.87%) ; medium is in Kadegaon, Kawatemahankal tahsil i.e.99.53 to 100.70% ; medium low intensity is in Atpadi, Jath, Khanapur , Miraj ,Shirala, Puluj, Tasgaon tasil i.e 98.36 to 99.53% within district.

During 2015-16, the intensity of irrigation is about 124.84 % in the district in which medium higher irrigation intensity is found in Walva tahsil (129.48 to 134.26%) ; medium is in Kawatemahankal, Shirala, Tasgaon, Atpadi tahsil i.e.124.65 to 129.48 % ; medium low intensity is in Jath, Kadegaon, Miraj , tasil i.e 119.87 to 124.65%; low intensity in Khanapur, Pulus tahsil <119.87% within district.



During 2000-01, the cropping intensity is about 105.63 % in the district in which medium higher cropping intensity is found in Kawatemahankal tahsil (113.34 to 140.87%) ; medium is in Kadegaon, Walwa tahsil i.e.105.81 to 113.34% ; medium low intensity is in Atpadi, Jath, Khanapur, Miraj, Tasagaon, Pulus, Shiral tasil i.e 98.28 to 105.81within district.



During 2015-16, the cropping intensity is about 119.56 % in the district in which medium higher cropping intensity is found in Walwa tahsil (>129.16%) ; medium is in Atpadi, Jath, Pulus tahsil i.e.119.1 to 124.13% ; medium low intensity is in Tasagaon, Kadegaon, Kawatemahankal, Miraj, Shiral 114.07 to 119.1% ; low is in Khanapur tahsil i.e. <114.07% within district

Conclusions:

1) There is a positive changes in the proportion of net irrigated area to net sown area from 22.09% to 29.39% within district.
2) There is a positive changes takes place in the proportion of gross irrigated area to gross cropped area from 20.06 % to 32.28 % within district.
3) Walwa, Kawatemahankal tahsil of district shows higher cropping intensity while Khanapur, Atpadi, Jath , Miraj tahsil shows lower cropping intensity within district.
4) Walwa, Kawatemahankal, Tashgaon tahsil shows higher irrigation intensity while Khanapur, Pulus tahsil shows lower irrigation intensity within district.
5) In the cropping pattern, cropped area under foodgrains are more than 65% within district. In the investigation period, there is a slightly changes under fruits and vegetables and cash crops.

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Demographic Characteristics of Marathwada Region of Maharashtra

Dr. Ankush Shankar Shinde[1], Mrs Sumitrabai Rathod2
1Associate Professor, Department of Geography , C.B. Khedgi's B. Science, R.V. Commerce and R.J. Arts college, Akkalkot. Dist-Solapur .
2Research student, Research student of Geography department , D.B.F's Dayanand College of Arts and Science, Solapur.
Corresponding Author- Dr. Ankush Shankar Shinde
Email: - ankushshindegeo@gmail.com
DOI- 10.5281/zenodo.10537534

Abstract

The Aurangabad division is known as Marathwada which was formerly a part of Hyderabad state. This Marathwada region lies in the upper Godavari basin, which extends from 17°35" North latitude to 20°40" North latitude and from 74° 40" East longitude to 78° 19" east longitude. Its shape is roughly triangular, East-West maximum extent is about 394 Kilometers and north-south extent is about 330 Kilometers. It bounded by Nashik region from Northwest & west side, Amravati region from North side, Western Maharashtra from Southwest side, Karnataka & Telangana state from southeast & south side and Telangana from east side. It has a total area about 64,302 Sq. Km. Marathwadha is a part of Deccan plateau with general slope in south-east direction from Sahyadris and has many features in common with upland districts of Deccan plateau. Marathwadha region has a general elevation of about 500 meters above the sea level, highest and lowest level being 958 meters in Satmala range and 366 meters above sea level . There are three important river basins in region viz. Godavari basin, Marathwadha Purna and Penganga basin The climate of the Marathwadha region is generally dry except the during the south-west monsoon. Entire Marathwada region is divided into three rainfall zones in which eastern region having moderate to high moderate rainfall i.e. 900 to 1000 mm' central region having assured low rainfall i.e. 700 to 900 mm rainfalls while remaining western region has scarcity zone where rainfall is below than 700 mm. As per 2011 census, the total population of Marathwadha region was 1,87,31,872 persons in which about 96,58,962 male persons while about 90,32,910 female persons. The literacy rate was 76.42% in which male literacy was 84.94% and female literacy was about 67.38%. Total net irrigated area to total net sown area was 6.15% in the region in 2011.

In this paper we focused on demographic characteristics of population in Marathwada.
Keywords:-*Population growth, literacy, age structure and sex composition.*

Introduction: -

An integrated programme for the utilization of population should include long term aims and instruments for the development of human capacities, notably, professional and occupational skill may constitute the most formidable bottlenecks in the successfully implementation of the programme of economic and social development. The development of population through education and vocational training should therefore, be accorded a very priority in the future planning and programme of economic development. Population has both dimensions quantitative & qualitative dimension. Characteristics like the size, composition and distribution of population and skilled labour force, literacy level, the number of hours worked, the output and earning per head etc. are qualitatively measurably and therefore lend themselves to statistical treatment.

The qualitative characteristics like knowledge, skills, aptitude values motivation etc often lack conceptual national clarity and precision do not lent themselves to statistical treatment as the quantitative characteristics. The development of region is concerned with the quality and quantity of the population. Saptarshi (1996) has described that the potential of human population as a resource is determined by it's social, cultural and economic characteristics as well as by the level of technological development. According to Dutta and Sundaram (1996) the quality of population can be judged from life expectancy and the level of technical training attained by the people of country.

Objectives: - The specific objectives of the study area are as follows:

1) To study about the changing population characteristics in Marathwada region of Maharashtra.
2) To study about literacy rate and sex ratio in Marathwada region of Maharshtra .

Data Source and Methodology

The parametric approach has been adopted to quantify manpower in the study area. They are devoted to discuss those parameters of population, which are associated with the human resources. The tahsil wise information regarding such has been procured and analysed to understand the causes and effects population development. We use the quantitative methods which are related population growth and distribution with the help of charts and graphs. Present study is based on extensive field work supplemented by secondary data obtained from the census hand book, District statistical department and socio-economic review. Beside these it is also obtained from the report of government and nongovernment organizations.

Study area: -

The Aurangabad division is known as Marathwada which was formerly a part of Hyderabad state. This Marathwada region lies in the upper Godavari basin, which extends from 17°35" North latitude to 20°40" North latitude and from 74° 40" East longitude to 78° 19" east longitude. Its shape is roughly triangular, East-West maximum extent is about 394 Kilometers and north-south extent is about 330 Kilometers. It bounded by Nashik region from Northwest & west side, Amravati region from North side, Western Maharashtra from Southwest side, Karnataka & Telangana state from southeast & south side and Telangana from east side. It has a total area about 64,302 Sq. Km. Marathwadha is a part of Deccan plateau with general slope in south-east direction from Sahyadris and has many features in common with upland districts of Deccan plateau. Marathwadha region has a general elevation of about 500 meters above the sea level, highest and lowest level being 958 meters in Satmala range and 366 meters above sea level . There are three important river basins in region viz. Godavari basin, Marathwadha Purna and Penganga basin The climate of the Marathwadha region is generally dry except the during the south-west monsoon.

Result and Discussion: -

1) Population Growth

Population growth of an area is an index of its economic development, social, cultural background, historical events and political ideology. Moreover, most of the other population characteristics are correlated with growth of population. In the study of population analysis has been considered essential by most of the scholars because all these aspects are closely related.

"Any change in population numbers, irrespectively of increase or decrease is called growth." Population increased by newly birth and controlled by death. If this change is negative direction that is population decrease, the growth is negative. When the change is positive direction population increase, the growth is positive. "Human population increase or decrease after a year or decade is called population growth rate".

Table 1.1 Population Growth of Sangli District

Sr. No	Districts	Population		Population Growth in	
		2001	2011	Numbers	Percentage
1	Aurangabad	2897013	3695928	798915	25.78
2	Jalna	1612980	1958483	345503	11.16
3	Beed	2161250	2585962	424712	13.70
4	Osmanabad	1486568	1660311	173743	5.60
5	Latur	2080285	2455543	375258	12.11
6	Nanded	2876269	3356566	480297	15.50
7	Parbhani	1527715	1835982	308267	9.95
8	Hingoli	987160	1178973	191813	6.20
Marathwada Region		15629240	18727748	3098508	19.82
Maharashtra State		94029964	112372972	82792667	
Proportion to the State		16.62	16.66	3.74	

The total population of Marathwada region was 15629240 person in 2001 and 112372972 person in 2011. In 2001, higher population concentration is found in Aurangabad, Nanded district i.e >16.86% ; medium higher population concentration is in Beed, Latur district i.e. 12.50 to 16.86 % ; medium population concentration is in Jalana, Osmanabad district i.e. 8.14 to 12.50% and medium low concentration is in Hingoli districts i.e. 3.78 to 8.14 % to the total population of Marathwada region.

In 2011, higher population concentration is found in Aurangabad, Nanded district i.e >17.08% ; medium higher population concentration is in Beed, Latur district i.e. 12.50 to 17.08 % ; medium population concentration is in Jalana, Osmanabad district i.e. 7.92 to 12.50% and medium low concentration is in Hingoli districts i.e. 3.34 to 7.92 % to the total population of Marathwada region.

The average population growth of Marathwada region was 19.82 % in which Aurangabad district accounts about 25.78% ; Jalana district accounts 11.16%, Beed accounts about 13.70%, Osmanabad accounts 5.60%, Latur accounts 12.11%, Nanded accounts 15.50%, Parbhani accounts 9.95 % and Hingoli accounts 6.20% within Marathwada region

Table No. 2 Sex wise Literacy rate in Marathwada

Sr. No	Districts	2001			2011			Vol. of Change in Total		
		Total	Male	Female	Total	Male	Female	Total	Male	Female
1	Aurangabad	72.47	84.88	60.06	80.06	89.31	70.81	7.59	4.43	10.75
2	Jalna	41.61	79.15	49.07	73.26	85.25	61.28	31.65	6.1	12.21
3	Beed	67.61	80.70	54.52	73.14	83.99	62.29	5.53	3.29	7.77
4	Osmanabad	68.65	80.42	56.89	75.99	85.31	66.67	7.34	4.89	9.78

5	Latur	71.17	82.94	59.40	78.72	87.42	70.02	7.55	4.48	10.62
6	Nanded	31.19	80.44	54.35	76.65	86.62	66.68	45.26	6.18	12.33
7	Parbhani	65.82	79.63	52.02	47.96	85.66	64.27	9.17	6.03	12.25
8	Hingoli	65.94	80.71	51.02	75.73	86.73	64.73	20.79	6.02	13.56
Total		62.10	72.10	54.68	76.06	86.28	65.84	16.85	14.18	11.16

2) **Literacy:**

Literacy is an important characteristic of population. In 2001, total literacy rate of Marathwada region was 62.10% in which male literacy was about 72.10% and about female literacy rate was 54.68%. Out of total literacy, medium high literacy was found in Aurangabad, Beed, Osmanabad, Latur, Hingoli, Parbhani district i.e. 60.55 to 74.90% and medium low literacy rate is in Jalana district i.e. 31.85 to 46.20% within Marthwada region. Out of male literacy rate, higher literacy rate found in Latur and Aurangabad district i.e.> 82.87%; medium high literacy is in Beed , Osmanabad district i.e. 81.10 to 82.87% ; medium literacy rate in Nanded, Parbhani, Hingoli districts i.e. 79.34 to 81.10 % ; medium low literacy rate is in Jalana districts i.e. 77.58 to 79.34% within Marathwada region.

Out of female literacy rate, medium higher literacy rate found in Latur and Aurangabad district i.e.> 58.34 to 62.11%; medium literacy is in Beed , Osmanabad district i.e. 54.66 to 58.34% ; medium low literacy rate in Nanded, Parbhani, Hingoli districts i.e. 50.98 to 54.66% and low literacy rate is in Jalana districts i.e. <50.98 % within Marathwada region.

In 2011, total literacy rate of Marathwada region was 76.06% in which male literacy was about 86.28% and about female literacy rate was 65.84%. Out of total literacy, medium high literacy was found in Aurangabad, Jalana, Beed, Osmanabad, Latur, Hingoli, Nanded Parbhani district i.e. 72.68 to 82.29% and low literacy rate is in Parbhani district i.e. <53.47% within Marathwada region. Out of male literacy, higher literacy was found in Aurangabad, Latur district i.e. >87.80%; medium high literacy in Nanded, Hingoli district i.e. 86.28 to 87.80% ; medium literacy rate in Jalana, Osmanabad, Parbhani district i.e. 84.76 to 86.28% and medium low literacy rate in Beed district i.e. 83.25 to 84.76 % within Marathwada region.

Out of female literacy, higher literacy was found in Aurangabad, Latur district i.e. >69.01 %; medium high literacy in Hingoli, Osmanabad, Nanded, Parbhani district i.e. 65.84 to 69.01% ; medium literacy rate in Beed district i.e. 62.66 to 65.84 % and medium low literacy rate in Jalana district i.e. 59.49 to 62.66% within Marathwada region.

3) **Sex Ratio : -**

Sex composition commonly referred as sex ratio. It is an index of socio-economic conditions prevailing in an area and is a useful tool for regional analysis .Generally it affects the growth of population, marriage rates, occupational structure and helps in understanding the employment and consumption pattern. Sex composition of a region is usually expressed as number of female per thousand male.

Table No. 4 Sex ratio in Marathwada

Sr.no	Districts	Number of females per thousand males						Vol. of Change in Total		
		2001			2011					
		Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
1	Aurangabad	925	936	905	917	919	914	– 8	–17	+ 9
2	Jalna	951	955	931	929	929	933	– 22	–26	+ 2
3	Beed	936	939	923	912	909	926	–24	–30	+ 3
4	Osmanabad	932	933	926	920	918	930	–12	–15	+ 4
5	Latur	935	940	916	924	923	927	–11	–17	+ 11
6	Nanded	942	947	925	937	940	931	–5	–7	+ 6
7	Parbhani	958	968	937	940	938	940	–18	–30	+ 3
8	Hingoli	953	956	937	935	934	939	–18	–22	+ 2
Total		942	947	925	927	926	931	–14.75	–20	+ 5.75

In 2001, the total sex ratio of Marathwada region was about 942 f/1000male population in which rural sex ratio was 947 f/1000male population and urban sex ratio was 925 f/1000male population. Out of total sex ratio , medium high sex ratio is found in Jalana, Parbhani, Hingoli districts i.e 951 to 970 f/1000male population; medium sex ratio in Nanded district i.e. 941 to 950 f/1000male population ; medium low sex ratio in Beed, Osmanabad, Latur districts and low sex ratio in Aurangabad district i.e 901 to 925 f/1000 male population within region. Out of urban sex ratio , medium low sex ratio is found in Jalana, Osmanabad, Parbhani, Hingoli, districts i.e 926 to 940 f/1000male population and low sex ratio in Aurangabad, Beed, Latur, Nanded districts i.e 901 to 925 f/1000male population within region. Out of rural sex ratio , medium high sex ratio is found in Jalana, Parbhani, Hingoli, districts i.e 951 to 970 f/1000male population; medium sex ratio in Nanded districts i.e. 941 to 950 f/1000male population and medium low sex ratio in Aurangabad, Beed, Osmanabad, Latur districts i.e 926 to 940 f/1000male population within region.

In 2011, the total sex ratio of Marathwada region was about 927 f/1000male population in which rural sex ratio was 926 f/1000male population and urban sex ratio was 931 f/1000male population. Out of total sex ratio , medium low sex ratio is found in Jalana, Nanded, Parbhani, Hingoli districts i.e 926 to 940 f/1000male population and low sex ratio in Aurangabad, Beed, Osmanabad, Latur districts i.e 901 to 925 f/1000 male population within region. Out of urban sex ratio , medium low sex ratio is found in Jalana, Beed, Osmanabad, Latur, Nanded, Parbhani, Hingoli districts i.e 926 to 940 f/1000male population and low sex ratio in Aurangabad districts i.e 901 to 925 f/1000 male population within region. Out of rural sex ratio , medium low sex ratio is found in Jalana, Nanded, Parbhani, Parbhani, Hingoli districts i.e 926 to 940 f/1000male population and low sex ratio in Aurangabad, Beed, Osmanabad , Latur districts i.e 901 to 925 f/1000 male population within region.

Conclusion: -

1) There is no any worst sex ratio found in any districts of Marathwada region
2) The population growth is about 19.82% in 201 to 2011 in which Aurangabad and Nanded district shows highest population growth while Hingoli and Osmanabad district shows lower population growth within Marathwada region.
3) Higher concentration of population growth has been observed in Aurangabad district due to industrial and historical town background. .
4) The male literacy is more than female literacy
5) Sex ratio has been decreased in the rural areas whereas it is increased in urban areas

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The Use of Digital Finance for Inclusive Growth in India- Scope and Challenges.

Dr. Jayasree.Venkitachalam
Associate Professor, Sree Narayana Guru College of Commerce, Chembur, Mumbai
Corresponding Author- Dr. Jayasree.Venkitachalam
DOI- 10.5281/zenodo.10537667

Abstract.

Financial services are very crucial for any economy, as they empower both households and businesses to save, invest, and safeguard themselves against risks. Financial institutions and governments also face losses due to the widespread use of cash. In emerging economies, 93 per cent of all transactions are conducted in cash, compared to 50 per cent in developed economies. Policy initiatives such as the 2016 demonetization and the introduction of the goods and services tax have played a role in fostering the adoption of digital financial systems. Moreover, the COVID-19 pandemic has expedited the acceptance of digital financial services across various socioeconomic sectors. The paper based on secondary data found that technological infrastructure, financial literacy, Economic social and cultural factors , Govt initiatives play significant role in the use of digital finance in our country. The study also found that enhanced digital and financial literacy programmes, rural outreach programmes, simplification of the onboarding process and strong regulatory support are essential for enhancing the use of digital finance and financial inclusion in our country.

Key words: digital finance, financial inclusion, financial literacy, demonetisation**,** Covid19

Introduction

Financial services are crucial for any economy, as they empower both households and businesses to save, invest, and safeguard themselves against risks. However, in many developing economies today, a significant portion of individuals and small businesses lack access to even basic financial products like savings accounts and credit. This limitation not only hampers economic growth but also perpetuates poverty. Addressing this issue involves overcoming barriers such as inadequate infrastructure, low financial literacy, and regulatory challenges. Technological advancements, especially in fintech, can play a pivotal role in bridging this gap. Additionally, government and regulatory efforts are essential to promote financial inclusion, creating a more inclusive financial system that benefits a larger segment of the population. The ultimate aim is to foster sustainable economic development and reduce poverty by ensuring broader access to financial services.

A robust financial service sector is crucial for a nation's economic well-being, facilitating savings, insurance against anticipated and unforeseen events, and supporting investments in new ventures. It empowers individuals and businesses to efficiently manage transactions and supply chains. Unfortunately, those in emerging economies face limited access to financial services compared to their counterparts in advanced economies. Nearly 45% of the adult population in developing nations, equivalent to two billion people, lacks accounts with banks, financial institutions, or mobile money services. Furthermore, 200 million micro, small, and medium enterprises (MSMEs), comprising half of such businesses in emerging economies, struggle to secure sufficient credit for their growth. Financial institutions and governments also face losses due to the widespread use of cash. In emerging economies, 93 per cent of all transactions are conducted in cash, compared to 50 per cent in developed economies. This high reliance on cash increases costs for service providers and discourages them from catering to millions of less affluent customers and smaller businesses. For instance, in Ethiopia, India, Nigeria, and Pakistan, over 99 per cent of transactions by volume are in cash, covering everything from real estate deals to vehicle registrations. Similarly, 94 per cent of all transactions in China still involve cash. Cash-based payment systems pose challenges for governments, leading to inefficient expenditure and tax collection processes. In some instances, as much as one-third of such payments may be lost to corruption. (Mckinsey, 2016)

Objective of Study

Two billion individuals and 200 million businesses in emerging economies today lack access to savings and credit, and even those with access can pay dearly for a limited range of products. Rapidly spreading digital technologies now offer an opportunity to provide financial services at much lower cost, and therefore boosting financial inclusion and enabling large productivity gains across the economy. The benefits of digital financial services delivered via mobile phones, the internet or cards are many. The main objectives of the paper include

1. To study the development of digital financial services in India.
2. To study the factors influencing digital finance and its challenges in India
3. To suggest measures to overcome difficulties in digital finance.

Research Methodology

The current study is exploratory in nature, relying on secondary data sources such as national and international journals, magazines, papers, and studies issued by research groups like as Deloitte, KPMG, Forbes, and Mckinsey etc. For the purpose of the study, reports issued by various regulatory bodies such as the Reserve Bank of India (RBI), the National Payments Corporation of India (NPCI) etc. were also taken into account.

Analysis of Research Objectives

I **To study the development of digital financial services in India.**

Digital financial inclusion refers to internet access to the use of formal financial services by excluded and underserved populations. E-banking activity in rural India results in increased usage of financial services and improved living conditions due to technological involvement in financial inclusion. Financial inclusion, as a result of digital financial services, also promotes economic growth. Digital financial inclusion entails providing affordable digital access to formal banking services for individuals who have historically been excluded or underserved in the financial system.

Despite the Indian government's implementation of legislative measures to extend financial services to remote areas, achieving financial inclusion for the average person remains a persistent challenge. Policy initiatives such as the 2016 demonetization and the introduction of the goods and services tax have played a role in fostering the adoption of digital financial systems. Moreover, the COVID-19 pandemic has expedited the acceptance of digital financial services across various socioeconomic sectors. However, ongoing challenges, including barriers to access, lack of awareness, and the necessity for additional policy interventions, contribute to the complexity of achieving widespread financial inclusion.Mobile technology has made its way into every facet of professional and personal interactions. Mobile devices aren't just for communication; they're also an important part of the growing business paradigm (Aggarwal2019). Over 80 nations have now adopted digital financial services, with a few reaching significant scale.

As an outcome, millions of previously ignored and underprivileged users are shifting away from money transactions Aggarwal, D. (2019). All the formal financial services such as payments, fund transfers, savings, credit, health coverage and even securities of which are accessible via mobile phone or other digital media. The image is rapidly evolving due to the development of ever more advanced technology. Apart from business correspondents (BC), payment banks, and small financing banks, digital financial inclusion has gained significance. Payments have been revolutionized due to innovations like IMPS, UPI, and AEPS. According to reports, 280 crore worth of transactions were done over UPI alone in June 2021 in India, reflecting the uptick in digital payment acceptance across socioeconomic groups throughout the month. Travel and physical involvement provide opportunities for exposure. The more a rural person interacts with individuals in more urban surroundings outside of their block or tehsil, the more inclined they become to accept digital payments. This might simply be due to increased engagement with digital environments.

The aspirational association with "Digital India" (or "Digital Bharat") increased adoption, particularly among younger individuals. For some aspirational people, digital payments seem to be a replacement for an optimistic, technologically advanced vision of India, even in rural areas with little internet connectivity. More than any particular purpose, the desire to be more integrated into the digital economy drives the adoption of digital payments. Similar to big cities, ease was frequently cited as a reason for adopting digital payment methods. Compared to their urban counterparts, rural businesses stand to earn more from participating in a local digital economy because they incur higher costs for storing currency, such as lost revenue due to travel time to and from banks. (Nihanshi Goyal, 2022)

ii **To study the factors influencing digital finance and its challenges in India**

Digital financial services (DFS) encompass a wide range of financial services delivered through digital channels, such as mobile phones, the internet, and other electronic platforms. Various factors influence the adoption, growth, and success of digital financial services. Here are some key factors which influence digital finance and its challenges are

- Technological Infrastructure. The availability and reliability of digital networks, including mobile and the internet, play a crucial role. Areas with better network coverage are more likely to see widespread adoption of digital financial services. The penetration of digital devices, such as smartphones and tablets, is a significant factor. The affordability and accessibility of these devices can impact the ability of individuals to access digital financial services.
- Regulatory Environment: The regulatory environment significantly influences the development of digital financial services. Clear and supportive regulations can foster innovation and competition, while overly restrictive or ambiguous regulations may hinder growth. Effective regulations for consumer protection build trust in digital financial services. Regulations that address issues like fraud, data security, and privacy are crucial for user confidence.
- Financial Literacy and Education: The lack of awareness about digital financial services can be a barrier to adoption. Education campaigns and training programs can help build awareness and

understanding of the benefits and usage of these services. Financial Literacy: Understanding basic financial concepts and digital literacy is essential for users to navigate digital financial platforms effectively.

- Cultural and Social Factors: Cultural attitudes toward formal financial systems, trust in technology, and established financial behaviors can impact the adoption of digital financial services. Peer influence and social norms can affect individual decisions to adopt and use digital financial services.
- Economic Factors: The level of income in a population can affect the affordability of digital services. Lower-income populations may be more price-sensitive and may require more affordable and inclusive services. The availability and accessibility of traditional banking services can influence the adoption of digital financial services. In areas with limited access to traditional banks, digital services may be more attractive.
- Infrastructure and Interoperability: The availability of digital payment infrastructure, such as point-of-sale terminals and online payment gateways, can impact the usability of digital financial services.
- Market Competition: Healthy competition among digital financial service providers can lead to better services, innovation, and lower costs, making it more attractive for users.
- . Security and Data Privacy: Robust security features and measures to protect against fraud and unauthorized access are critical for user trust. Clear policies and practices regarding the collection and use of user data are essential to address concerns about privacy.
- Government Initiatives: Supportive government policies and initiatives, such as financial inclusion programs, can drive the adoption of digital financial services. The presence of reliable digital identity systems can simplify onboarding processes and enhance the security of digital transactions.
- Global Trends and Technological Advancements: Advances in technology, such as the development of new payment methods, blockchain, and artificial intelligence, can shape the landscape of digital financial services. International Collaboration and alignment with global standards and initiatives can facilitate cross-border transactions and interoperability.

The interplay of these factors varies across different regions and communities, making it essential for stakeholders, including governments, financial institutions, and service providers, to consider local contexts when promoting and implementing digital financial services.

iii Suggestions for Improvement of Digital Finance in India.

Improving the use of digital finance in India involves addressing various aspects of infrastructure, regulation, education, and accessibility. Here are some suggestions:

- Digital Literacy Programs: - Implement widespread digital literacy programs to educate individuals about digital financial services, including online banking, mobile wallets, and digital payment platforms.
- . Rural Outreach Programmes : Focus on extending digital financial services to rural areas by enhancing network infrastructure and promoting the use of smartphones. This could involve partnerships with private companies to build the necessary infrastructure.
- Simplified Onboarding Processes: Streamline the onboarding process for digital financial services by simplifying documentation requirements and making the process more user-friendly. This will encourage more people, especially those in rural areas, to adopt digital finance.
- Regulatory Support: Create a conducive regulatory environment that supports innovation in the digital finance sector while ensuring consumer protection. Clear regulations can attract more players and boost competition, leading to better services.
- Interoperability: -Promote interoperability among different digital payment systems to enable seamless transactions between various platforms. This can enhance user convenience and encourage the adoption of digital payment methods.
- Incentivize Digital Transactions : Introduce incentives for individuals and businesses to conduct transactions digitally. This could include cashback offers, discounts, or other rewards for using digital payment methods.
- Cybersecurity Measures Strengthen cybersecurity measures to build trust among users. Public awareness campaigns about cybersecurity best practices can also help in this regard.
- Integration with Social Programs: Integrate digital financial services with social welfare programs to disburse benefits directly to beneficiaries' digital accounts. This can reduce leakages, and fraud, and improve efficiency.
- Collaboration with Fintech Startups: Encourage collaboration between traditional financial institutions and fintech startups to bring innovative solutions to the market. This can lead to the development of new, user-friendly financial products.

- Enhanced Customer Support: Improve customer support for digital financial services to address concerns and issues promptly. This can enhance trust and confidence in digital finance platforms.
- Promotion of UPI (Unified Payments Interface): Continue promoting and improving UPI, a real-time payment system developed by the National Payments Corporation of India. UPI has played a significant role in boosting digital transactions in the country.
- Financial Inclusion Initiatives: - Continue and expand financial inclusion initiatives to bring more people into the formal financial system. This includes efforts to provide banking services to those who are currently underserved or excluded.

Implementing these suggestions collectively can contribute to the widespread adoption and effective use of digital finance in India.

Conclusion:

The future of digital finance in India is poised for continued growth, driven by the rise of innovative fintech solutions and expanding digital infrastructure. Government initiatives, such as Digital India, are fostering financial inclusion, especially in rural areas. The adoption of technologies like UPI, mobile wallets, and blockchain is reshaping the payments landscape. Traditional banks are increasingly embracing digital transformation, aiming to provide seamless online banking experiences. Cybersecurity will remain a paramount concern as the sector evolves, necessitating robust measures to ensure the security of digital transactions.

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Higher Education in India, Skill Gap and Employability of Graduate Students

Aditi Abhyankar[1], Dhriti Mhatre[2], Medha Sogodekar[3]
[1]PHD, Associate Professor, Economics, Ramnarain Ruia Autonomous College, Mumbai
[2, 3] Student, TYBA Economics, Ramnarain Ruia Autonomous College, Mumbai
Corresponding Author- Aditi Abhyankar
DOI-10.5281/zenodo.10539285

Abstract:

University graduates struggle to find employment and the industry and service sectors do not find employable fresh graduates possessing the required skill sets. As compared to professional and STEM (Science Technology, Engineering and Mathematics) Programs the non-STEM education/degree program students lack the skills and practical experience much needed to be job ready. The current study examines this problem in detail with help of a field survey and proposes some solutions. Through an exploratory survey of around 450 third-year final semester undergraduate non-STEM students, it was found that an overwhelming majority were unaware of government initiatives pertaining to bridging academia-industry gap, and more than half felt that their courses lacked job-relevant skills. This paper highlights the need to plan the college/university curriculum in such a way as to incorporate certain modules in the courses offered by the higher education institutions that will impart the required job skills. A more collaborative approach between academia and industry is required to ensure that the graduating students acquire and possess the necessary skills and experience to be able to be employed on completion of their degrees.
Keyword- Higher Education, Skill gap, Employability, Ad-on Certifications

Introduction:

On completion of their first degree the college/university students often struggle to find a job. This has been particularly prominent in case of the Humanities and non-STEM stream students. A lot of efforts have been made from time to impart skills to the non- STEM students. Old fashioned theoretical knowledge needs to be supplemented with job-oriented skill sets. Although efforts have been made in this regard, initiatives have been insufficient to bridge the gap.

In 2020, the Government of India decided to launch the New Education Policy to reduce the skills gap, make the educational programmes and courses more up to date with the modern trends and changes, add more practical exposure to the courses by making it mandatory for the students to take up some specialised training. The NEP emphasises the training of students to equip them with at least one or two skills so that post their studies they can be absorbed in the workforce. Out of the total respondents covered in the survey, around 58% of respondents felt that there exists a skill gap. An overwhelming 84% of students were unaware of government schemes imparting job-relevant skills and only 26% of respondents had enrolled for some ad-on skill imparting programs.

Aim

Hypothesis:

There is a disparity between the skills acquired by non-STEM graduates and the skills sought by the employers.

Objective:

The focus of the study is to understand the students' perspective on the existing skills gap, particularly among the non-STEM graduates and their preparedness to enter the job market. By analysing this perspective, the study intends to construct a framework that addresses the issue, furthermore seeking to offer practical solutions that could potentially enhance the job readiness of students, making them more employable upon graduation.

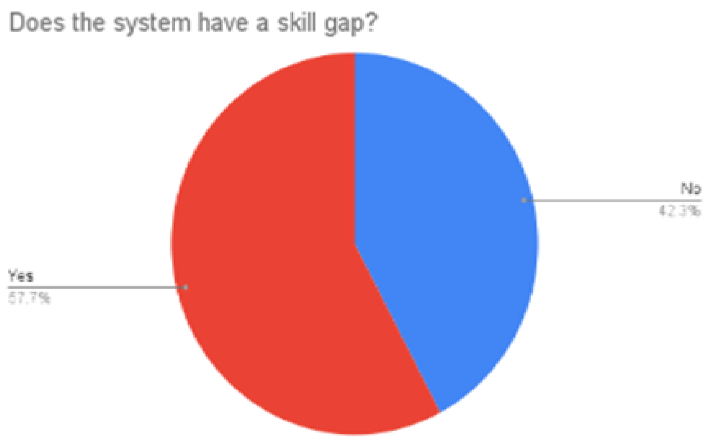
Rationale

The prevailing trend in existing studies tends to be more analytical, concentrating on data examination rather than offering practical guidance. This analytical focus has created a gap in the literature, where the potential for providing valuable and applicable insights is underutilised. It would be beneficial for future studies to not just analyse but also offer practical and real-life solutions to make the research more applicable and useful.

Methodology:

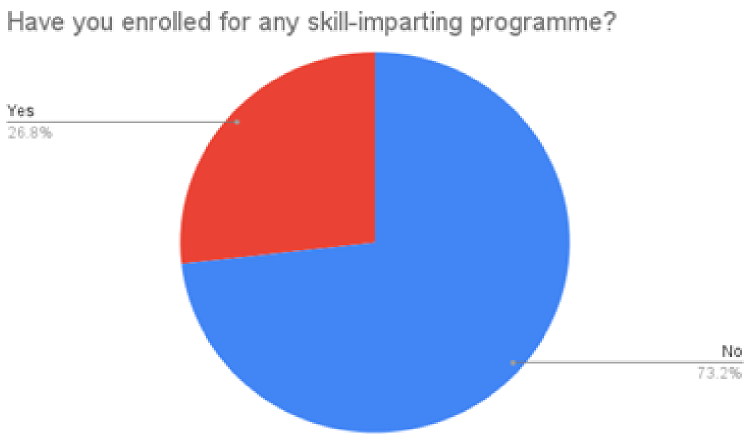
An exploratory study was conducted where 500 questionnaires were distributed to non-STEM Third Year final semester degree students. The questionnaire included questions aiming at understanding the students' awareness regarding whether they consider their degree Program and courses provided them with the job relevant skills and if they believed a skills gap did exist. The questionnaires also aimed at finding out if the students were aware of any Government or ad-on offline/online programs aimed at skill development Of the 500 questionnaires, 459 were used for the analysis and 41 questionnaires were discarded due to incomplete responses. Descriptive statistics, including means and averages, were used to summarise the data. These surveys were conducted over the course of three weeks at various colleges of Mumbai Metropolitan Area. These surveys were conducted in person and survey forms were distributed to students of the respective colleges.

The following pie charts indicate the responses of the students.

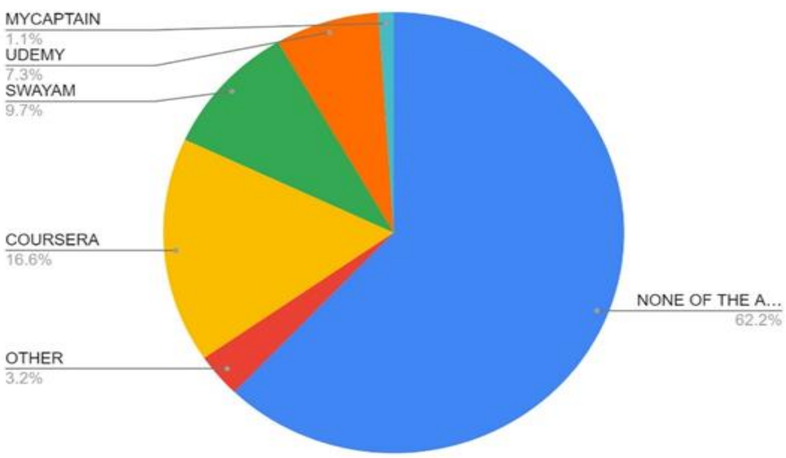


Out of the total respondents 57 per cent students believed that a skill gap existed in the curriculum they studied at the colleges/ Universities.

Around 29 per cent students had enrolled for some or other online or offline ad-on courses in addition to their regular college/ University program.



The students had enrolled at various following ad -on certification courses



Observations:

- The skills gap is clearly prominent with many students agreeing that the degree program/courses are unequipped to impart practical knowledge.
- There was a lack of awareness amongst the students about the NEP policy, Government schemes imparting skills and private start-ups as well.
- There exists a lack of belief in the classroom system as most industry experts said that with the way classrooms are structured, it is difficult to impart the necessary skills. Many highlighted a third-party intervention in the form of job fairs and workshops to remedy the situation.

- Industry experts across domains recognize the need for a comprehensive mechanism to address the problem.

Results and discussions:

Need for redesigning the curriculum and build up partnership among all stakeholders:

Existing research on India's education system predominantly focuses on data analysis and identifying the root causes of the problem. While these studies provide valuable insights, they often do not aim at offering practical and real-life solutions. This gap in the literature leaves policymakers and stakeholders without actionable guidance to address the critical issue of graduate unemployment and a potentially unstable society. With India's population poised to surpass China's in 2023, the need for a well-educated and employable workforce is more crucial than ever. The current situation, where millions of graduates lack the necessary skills and knowledge, poses a significant threat to the country's economic growth and social stability. Curriculum Reforms have to mainly address redesigning educational programs to equip graduates with the skills and knowledge demanded by the current job market. This includes incorporating industry-relevant training, soft skills development, and a focus on critical thinking and problem-solving.

Enhanced Teacher Training needs to be taken up for providing teachers with the necessary training and support to effectively implement new curriculum standards and pedagogical approaches. This includes training on emerging technologies, soft skills development, and effective assessment techniques. Strengthening partnerships between educational institutions and industry stakeholders to ensure that educational programs are aligned with industry needs. This can involve co-creating curriculum, providing internship opportunities, and guest lectures from industry experts. In addition to this increasing government funding and policy support for education and implementing policies that incentivize universities and colleges to prioritise skill development and employability needs to be emphasised. This could involve performance-based funding models and tax breaks for businesses that invest in workforce training.

Road Ahead:

The Indian higher education system is stepping up efforts to anticipate job market trends and identify learning opportunities, trying to create an engaging and updated curriculum. The higher education institutions are trying to facilitate training, reskilling and upskilling. Efforts are being made to focus on learning directly and through internships from the experienced professionals themselves. Industry leaders have tried to bridge the education and employability gap in the last few years by offering short-term courses on various emerging skills.

What higher education can do to bridge the gap between education and employability may be brought about by p**romoting continuous learning to bridge the skill gap.**

Higher education can effectively bridge the skill gap by providing continuous learning, allowing learners to upgrade their skills and knowledge as and when required. It will be an innovative approach in education if the relationship between the alma mater and the learner keeps growing and flourishing even after completion of the degree or job placement. Continuous learning keeps classroom and time-based instructional limits out of the picture. Instead, it makes learning more interesting, meaningful and engaging.

Efforts to provide for customised learning also might help in enhancing employability of fresh graduates. Given the growing demand for new skills, higher education can effectively bridge the gap by providing a learning experience customised to the learner’s needs. Even in the case of online learning, there is a programmatic approach, which is modular in nature. Learning shouldn’t be driven by a program delivery model but designed to support the needs of the learners at different stages of their careers.

And finally, there is a need to give control in the hands of the lifelong learner. Educational institutions can provide the tools and resources to support the learners in assuming control of their learning process. Amid such predictions, it is clear that future jobs will require evolving, self-aware, always-on, and always-learning individuals who can take decisive actions without the constant need for monitoring by supervisors. Giving more independence to learners today will encourage them to perform better to meet their objectives at the workplace and lead to greater work satisfaction.

Holistic education demands continuity and customization in learning. Alongside developing self-agency or offering control to the learner, this will enable higher education to prepare more innovative, self-motivated and decisive workers for the future. The EdTech revolution is for good and here to stay. Efforts can be directed towards ensuring that the relationship between the learner and the education provider doesn’t end with the completion of a program. Instead, it should evolve into an ongoing partnership between the learner and the education provider to facilitate holistic and continuous learning through a sustained transformative approach that leverages technology.

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Opportunities and Challenges by Entrepreneur: Startup in Vidarbha (Maharashtra)

Prof. Dr. Prakash Haribhajan Sahare
Department of Commerce, R. S. Mundle Dharampeth Arts and Commerce College, Nagpur
Corresponding Author- Prof. Dr. Prakash Haribhajan Sahare
Email: sahareph@gmail.com
DOI- 10.5281/zenodo.10539401

Abstract:

This research explores the dynamic landscape of entrepreneurship in Vidarbha, Maharashtra, shedding light on the myriad opportunities and challenges faced by aspiring and existing entrepreneurs in the region. Vidarbha, known for its rich agricultural and industrial potential, presents a unique environment for startups. The study delves into the socio-economic factors, government initiatives, and market conditions that shape the entrepreneurial ecosystem in this region. By examining case studies and conducting interviews with local entrepreneurs, the research aims to provide valuable insights for policymakers, investors, and entrepreneurs seeking to navigate the entrepreneurial landscape in Vidarbha. The findings contribute to a deeper understanding of the region's entrepreneurial dynamics, offering recommendations for fostering sustainable growth and innovation.

Keywords: Entrepreneurship, Startup Ecosystem, Vidarbha, Maharashtra, Opportunities, Challenges, Socio-economic Factors, Government Initiatives, Market Conditions, Case Studies, Innovation, Sustainable Growth.

Introduction:

Entrepreneurship has become a focal point in driving economic growth, fostering innovation, and creating employment opportunities. Vidarbha, a region in the state of Maharashtra, India, is characterized by its diverse economic activities, ranging from agriculture to emerging industries. As the entrepreneurial landscape in Vidarbha evolves, it presents both unique opportunities and formidable challenges for individuals aspiring to start and sustain their own businesses. Vidarbha's geographical and economic diversity offers a fertile ground for entrepreneurial ventures. The region, historically known for its agricultural prowess, has witnessed a gradual transformation with the integration of modern technologies and the emergence of new industries. This transition not only provides entrepreneurs with a variety of sectors to explore but also underscores the need for innovative solutions to address the challenges associated with this transformation.

Moreover, the government's initiatives and policies play a pivotal role in shaping the entrepreneurial ecosystem. Understanding the support mechanisms and regulatory frameworks in place is essential for entrepreneurs to navigate the path towards establishing and growing their ventures. The interplay between these policies and the ground realities of entrepreneurship in Vidarbha is a crucial aspect that warrants exploration. However, alongside these opportunities lie challenges that entrepreneurs must grapple with. From infrastructural limitations to market complexities, entrepreneurs in Vidarbha face a multifaceted set of hurdles that demand strategic thinking and resilience. Addressing these challenges requires a nuanced understanding of the local dynamics, coupled with innovative approaches to business development.

Review of Literature

1. **Varadan** expose in the article “it is problems faced by start-ups in India and its solutions”, A successful startup is not only needs an idea and passion but also a lot of dynamic fluctuation in the part of leadership skills, understand the market need, and be dynamic to face various challenges.
2. **Kunn, Wiebner and Hogenager** mentioned on that article, It Will be finds the difference between subsidize start-ups out of unemployment and non-subsidized start-ups out of non-employment condition. It is reveals that the initiator of the subsidized startups has no lack of conventional education.
3. **Nipun Mehrotra** mentioned in the Article Indian start-up community, ranked third globally in terms of number of start-ups, has been creating new job opportunities and attracting capital investment. We believe that the problems, including healthcare, sanitation, education, transportation, alternate energy management and such as others, which would help deal with the issues that India and the world face.
4. **Sharma** mentioned in the article “a study on women entrepreneurs in India”. She is that saying on women entrepreneurs face many problems like social barriers, legal aspects, lack of education, family support etc.
5. **ASSOCHAM India** mentioned in that particular of scenario “Startups have been the Favor of the season over the last few years for the Indian markets. This has resulted into the emergence of a number of home-grown unicorns across the country. The trends of investments suggest that investors want to enter as an early investor, even before the start of the firm.

Objective

1. To analyse the challenges and opportunity for the start-up industries.
2. To know the various challenges and issues faced by the start-up industries.

Research Methodology

In this research paper is essentially focused on the opportunities and challenges by the startups Entrepreneur in Vidarbha, Maharashtra. This research is predicated on the secondary data it is collected through the books, websites, newspapers, research proposal etc.

Scope of the Study

Startups have played significant role related growth, development and industrialization in Vidarbha, Maharashtra. Startup is flagship initiative MSMEs of the Government of India. In the Startup will drive sustainable economic process, generate very massive scale employment opportunities, and minimize unemployment in Vidarbha, Maharashtra.

Opportunities for Startups

1. **Agri-Tech and Precision Farming:** Vidarbha's strong agricultural base provides a fertile ground for startups to innovate in agri-tech. Precision farming, sensor-based technologies, and data analytics can optimize crop yields, reduce resource usage, and improve overall agricultural productivity.
2. **Renewable Energy Solutions:** The region's ample sunlight and wind resources make Vidarbha conducive for startups in the renewable energy sector. Solar power projects, wind energy farms, and decentralized energy solutions present opportunities to contribute to sustainable energy production.
3. **Rural E-Commerce and Supply Chain:** Leveraging digital platforms, startups can facilitate e-commerce and efficient supply chain solutions tailored to the needs of rural and semi-urban populations. This can bridge the gap between producers and consumers, boosting economic activities.
4. **Healthcare Access Solutions:** Startups can address healthcare challenges by developing technology-driven solutions. Telemedicine platforms, health apps, and affordable medical devices can enhance healthcare accessibility in Vidarbha, especially in remote areas.
5. **Skill Development and Vocational Training:** Given the diverse economic activities in Vidarbha, startups focusing on skill development and vocational training can empower the local workforce. Platforms offering online courses, vocational training programs, and skill enhancement initiatives can contribute to employment generation.

Challenges for Startups

1. **Infrastructural Limitations:** In certain parts of Vidarbha, inadequate infrastructure, including transportation and logistics networks, can pose challenges for startups. Limited connectivity may hinder the smooth movement of goods and services, impacting the efficiency of supply chains.
2. **Access to Funding:** Startups often face challenges in accessing sufficient funding to initiate and scale their ventures. The availability of venture capital, angel investors, and supportive financial institutions may be limited, necessitating creative funding strategies for entrepreneurs in Vidarbha.
3. **Limited Technical Talent Pool:** While the region boasts diverse economic activities, there might be a scarcity of skilled technical talent. Recruiting and retaining professionals with expertise in technology and innovation may be a hurdle for startups seeking to implement advanced solutions.
4. **Market Awareness and Adoption:** Introducing new products or services in the market requires effective marketing and awareness campaigns. Startups in Vidarbha may face challenges in creating awareness and fostering the adoption of innovative solutions, particularly in areas where traditional practices are deeply entrenched.
5. **Regulatory Ambiguities:** Entrepreneurs may encounter regulatory uncertainties and bureaucratic hurdles when navigating the legal landscape. Clear guidelines and streamlined processes are crucial for startups, and any ambiguity in regulations can impede their growth and operations.

Conclusion

Vidarbha, Maharashtra, offers a promising canvas for entrepreneurial ventures, with rich opportunities for innovation and economic growth. The region's agricultural resilience, economic diversification, and potential for human capital empowerment present a compelling landscape for startups. However, challenges such as infrastructural limitations, financial ecosystem enhancement, and regulatory clarity must be navigated strategically. Entrepreneurs in Vidarbha stand at the forefront of shaping a sustainable and vibrant ecosystem, overcoming challenges to unlock the region's immense potential. Collaborative efforts from stakeholders are crucial for nurturing startups and positioning Vidarbha as a hub for innovation, contributing not only to its own prosperity but also to the broader narrative of entrepreneurial success in India.

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Economic System- Mauryan & Gupta Empire

Dr. Reetu
Assistant professor, D.P.G. Degree College, Gurugram
Corresponding Author- Dr. Reetu
Email: Reetu.sangwan25@gmail.com
DOI-10.5281/zenodo.10547731

Abstract:

Almost everything from the social system to the state relies on its economy. This age-old subject still applicable. Current economic crises and depressions are common. Incompetence of rulers, plagues, natural disasters, etc. harmed the economy even in ancient times. Also discussed was economic prosperity. The split of periods makes sources concerning ancient India between ancient, medieval, and contemporary Bengal sparse. Ancient Indian sources have been uncovered that are still unclear. That's why ancient India knowledge is scarce. Ancient India is studied with all its limitations. I used several books and papers for my investigation. I must carefully acquire knowledge from books and articles. After eliminating and including all data, I utilize it in my study. Additionally, coinage, property titles, copper plates, and other sources have provided economic data from that period.
Key Words- Economic,Rulers. Gupta,Mauryan,Revenue,Ancient India

Introduction-

Our everyday lives are intricately bound up with the economy. Even in ancient India, this was the case. This pattern in the economy has altered several times. Not only did political shifts occur, but the economy also saw a noticeable transformation. The economy was like a wheel; it went up and down at times. There were instances when the economic wheel was the one that shifted the balance of power. Reason being, economically powerful monarchs intended to invade adjacent nations in order to gain power for themselves. Thus, the governing elite sought to ensure the state's economic affairs ran smoothly. The level of economic activity during a given era determined whether of ancient India's policymakers—the Maurya, the Gupta, or someone else entirely—was in charge. Whether the rulers were competent or not was also linked to this. The average Indian also played a crucial part in ancient India's thriving economy. The ordinary people of ancient India were more engaged in agriculture since it was the mainstay of the economy. Furthermore, the economic system was closely related to ancient India's foreign policy. These monetary features of ancient India will be the focus of the current investigation. Through this we want to find out the clear path of the economic condition of the period. That being said,

Fig: Maurya Empire.

This study primarily focuses on the interplay and significance of the following themes: the role of rulers, the ordinary people, power, and the economy.

Maurya Empire

The essential information on the Maurya dynasty may be gleaned from all these sources. When Kautilya was offended in 322 BC, Chandragupta Maurya formed the Mauryan Empire, according to these accounts. Author of the "Arthashastra" Chandragupta Maurya convened an army and deposed the Nanda Empire with the assistance of kautilya, whose alternate name is Chanakya. Ending in the fourth century BC, with the arrival of the Mauryas, India's history was both illuminated and shrouded in mystery. The first member of the Maurya family to become an emperor was Chandragupta. No one can agree on when exactly Chandragupta Maurya became king. Reason being, accounts of it vary among sources. No first-hand narrative of the Nanda dynasty's downfall has been preserved by Chandragupta Maurya. This requires us to draw from a variety of resources.

When researching the Maurya Empire, you may choose between two main sorts of sources. There is an archeological one and a literary one. Literature from the Maurya Empire comes from a wide variety of sources, including both local and foreign writers. Included among the indigenous sources are the works of Kautilya (Arthashstra), Vishakhadatta (Mudrarakshsasa), Banvatta (Harshacharita, biography of Harshabardhana), Kalahana (Rajtarangini), Jain (Parvana) and Buddhist (Traditions) texts, among many more. Greek Buddhist megawritten sources, Pliny's "Natural History" (AD 72), Pali Buddhist scriptures from Sri Lanka, and the narratives of three Chinese adventurers—FaHien, Hiuen Tsang, and I-Tsing—are all part of the canon. The inscriptions on the edicts of Ashoka are the epigraphic sources that are accessible today. Based on the rock's surface, there are three distinct types of Ashokan inscriptions. Rock, pillar, and cave edicts are what they're called. A rock edict might be either a big or a minor edict. Girnar, Kharoshti-scripted Khyber Pakhtunkhwa, Mansehra, Yerragudi, DhauliJaugada, Sopara, Kalsi, Sannati, and Kandahar are some of the most important rock edicts in the country. Kandahar bilingual inscriptions, Bhabru rock edicts, etc. are all examples of Minoan rule. Ashokanian edicts and inscriptions, as well as artifacts like golden, silver, and copper coins, are among the archaeological sources.

Chandragupta Maurya was persuaded by King Dhana Nanda to capture the realm of the Nanda. In his vow of vengeance, Kautilya promised to wipe out the Nanda Empire. He planned to invade the Nanda Empire after training an army under Chandragupta Maurya's leadership. Kautilya advised Chandragupta Maurya and his soldiers to seize the kingdom of Magadha. King Dhana Nanda's corrupt and tyrannical leadership had the people of Magadha fuming at the time. In preparation for his conquest of Dhana Nanda's empire, Chandragupta Maurya mustered an army. He gave the order to go to war, and the Magadha army was marched out of the city to meet the Mauryan army at a distant battleground. Civil conflict was sown by Chandragupta Maurya in the Dhana Nanda empire, and the ordinary people's attitude was echoed by Kautilya. Nanda eventually abdicated, ceded control, and disappeared into exile, leaving no trace behind. In 322 BC, at the age of 21, Chandragupta Maurya was lawfully seated as the new king of Magadha, and Kautilya became the elder statesman. Magadha was the seat of authority for Chandragupta Maurya, who also made Pataliputra (modern-day Patna) his capital. During Ashoka's reign, the empire reached its height, spanning a territory of almost 5 million square kilometers—the biggest on the Indian subcontinent. The assistance of Kautilya allowed Chandragupta Maurya to swiftly increase his authority. The Maurya Empire was massive by international standards during that era. The northern boundary of the empire was the Himalayas, while the western boundaries were Assam, Baluchistan, and the Hindu Kush Mountains in modern-day Afghanistan. Although the southern and central portions of India were expanded by the empire under Bindusara and Chandragupta Maurya, a tiny section of the tribal and woodland districts around Kalinga remained untouched until Ashoka conquered them. After Ashoka's reign ended, the empire declined for over half a millennium. In 185 BCE, the Shunga dynasty was established in Magadha, dissolving the Maurya dynasty.

The Mauryan Economic System:

As a result of a streamlined system of finance, administration, and adequate security put in place by Chandragupta Maurya and his successors, economic activities including as agriculture, trade, and internal and external commerce thrived and spread across South Asia. During that period, the Maurya Empire had a highly developed economy.

Agriculture:

The majority of the Maurya population resided in rural areas and engaged in agriculture. Land development was a priority for the Maurya monarchs as agriculture was a major source of revenue throughout their reign. Along with cash aid, land grants were also distributed to low-income farmers so they could cultivate their crops. In order to make way for new agricultural regions, the state cleared fallen trees and cleared the forest. Although legislation did exist to preserve certain woods, not all forests were so fortunate. A direct line to the monarch was established by the farmer. Several crops were farmed throughout the Mauryan era. These included rice, coarse grains, sesame, pepper, saffron, pulses, wheat, bamboo, paddy, mustard, linseed, vegetables, sugarcane, and a variety of fruits.

Ownership of the land:

Dayodorous brought up the fact that the land belonged to the monarch. No one could ever be a property owner, in his view. Regarding property rights to land, Megasthenes made similar remarks. Regarding the ownership of the land by the royal family, there are several competing theories that have taken root. Some historians argue that while the monarch was a tax collector and guardian of the land, he did not really possess it. What is noteworthy, however, is what "Manu-Shamhita" says on the king who owned the property. The "Manu-Shamhit" states that the monarch is supreme over all creation. You can't have it both ways with these two tenets. The commonly held belief today is that while the monarch did not really possess the property outright, he did have some privileges associated with it. It was noted in "Arthashastra" that the monarch had certain land holdings that were managed by the government for cultivation. There was also reference to further taxpayer-owned property.

Land system:

Dr. Basu said that the system in the nation was different. There were three distinct soil kinds. The peasants, the state, or a combination of the three could have possessed the land at one point. Additionally, he said that renters' rights to land are progressively expanding. The two concepts of shared ownership and prior ownership of property were distinct. "Arthashstra" even hinted at peasant rights. Peasants who showed little interest in farming may potentially have their land confiscated by the monarch. The regulation, however, was revised more recently. The land was transferred to another party for development if deemed required. So, land ownership would remain the same. According to Dr. Basu, the country's monarch and farmer had equal rights. There was a noticeable shift toward individual ownership rather than collective ownership.

Land Revenue system:

The findings of Dr. Ghoshala's "Indian Revenue System" Under the Maurya Empire, land sales were the backbone of India's economy. Shita, Vag, Bali, and Kara were the four types of land taxes imposed by the Maurya kingdom. The Shita tax was associated with the royal farm's produce. The royal irrigation system was accessible to farmers who paid a water levy. The farmer was liable for a fifth of the harvest if he drew the water by hand, a fourth if he relied on an animal, and a third if he used equipment. A quarter of the harvest was due as taxation if the farmer used water from bodies of water like rivers or lakes. All harvests would be sent to the royal treasury if they were farmed using state-owned machinery by inmates, slaves, or free laborers overseen by a public official. Distributing oxen to cultivate unproductive land would result in half of the harvest going to that person, while manual laborers would get a quarter or a fifth. The remainder of the crop was paid into the royal coffers. Two distinct territorial divisions existed within the Maurya Empire. Only certain types of land were subject to the state tax. Taxes were required on one-sixth of the harvest from certain fields. According to D.D. Koshamvi, the second-rate nation was known as ShitaJamin. It was the king's job to oversee farming and settlement in this land. During the Mauryan era, ShitaJamin comprises the majority of the landmass. It was known as the Shita tax, and it applied to all of these nations. Special authorization was required for the transfer of land at that time. Someone else would inherit land from an agrarian who died. If the settlement was new or if it occurred during a disaster, the shift tax was waived. At its most basic, the Shita tax rate was 20% of harvest.

•Vag—Vag was the name of the second tax. The Vag tax was the king's portion of the land's harvest that was subject to this tax. Two such forms of taxation were the Bali and Kara levies. Many historians believe that these taxes were partial. Particular lands and employment types were the primary targets of these two levies.

Land income and commercial activity were the backbone of the Maurya Empire's finances. Land revenue rose as a result of the agricultural economy's progressive development and the upgrading of the administrative infrastructure for tax collection. According to Kautilya, the state should take care of the shudra cultivator settlements and provide for the removal of wastelands. There was some disagreement on the specifics of the land income. In addition, the cultivation of royal lands is mentioned, which played a significant role in the economy. One form of tax was based on the total area of land, while the other kind was based on the harvest from that land. The states only kept the irrigation system in working order for short stints and in some locations. Landowners and cultivators also have private control over the irrigation infrastructure. Both domestic and international commerce were also subject to revenue policies. In order to facilitate quick contact with the local authorities, highways were constructed during that period. These roads later became major thoroughfares for commerce and exchange. The major thoroughfares of commerce were laced with latrines. Consequently, commercial interests were enhanced. Royal treasury was bolstered via the imposition of duties on imports and exports.

Greek authors like Megasthenes made significant remarks on the land and tax system throughout the Mauryan era. In his three remarks on the matter, Megasthenes -

1. There were more farmers, making them the second most numerous nation in India. Without paying any land tax, they offered the king 25% of their harvest.
2. The monarch owned all the land. Assuming he receives 25% of the harvest, the farmer tends to the land.
3. Peasants contributed to the king and autonomous towns via their agricultural labor.

A large sum of money was required to meet the king's fundamental and everyday requirements. A large number of paid workers were there alongside the military. Revenue was to be used mostly for the purchase of state-owned property. There were less stable and assured sources of governmental revenue. Consequently, the quantity of state land was expanded via a variety of means. His property would have been seized by the state in the absence of a valid will. All the expansive terrain was turned into arable land, and the uncultivated areas were leveled for the benefit of renters. Those who lived on uncultivated land were paid rent rather than given legal title. Several land revenue price proposals were made by Megasthenes, Ariyan, Diadorous, and Strabo. The people who lived there "tended the land and paid taxes to the king or independent cities," as stated by Ariyan. The whole territory of India was owned by the monarch, and no one could own land there; so, everybody paid a land tax to the king, as stated by Diodorus. A quarter of the harvest went into the royal treasury, on top of taxes. The state was required to receive "three-quarters" of the crop income as land revenue, according to Strabo, while farmers were paid a quarter as wages. I don't know whether the variation in the farmer's soil cultivation conditions or anything else caused the production rate to be different. The rate of return may have been lower in cases where the monarch just granted the farmer land, and greater in cases where he also supplied the ploughs, oxen, fertilizer, etc., that were necessary for farming. The disparity in wealth is noted in the "Arthashastra" as well. The community served as a unit of economic production in those days. The two taxes, Vag and Bali, connected every village to the central authority. Anyone who created a new pond or repaired an old one would be free of the fee, they said. Farmers were shielded from many forms of loss by the state.

Trade and commerce:

The growth of commerce in India was facilitated by the political cohesion and internal stability of the Mauryan Empire. The Mauryan empire's network of foreign merchants flourished during Ashoka's rule. As a trading post and gateway to the outside world, the Khabar Pass rose to strategic prominence. Western Asian Greek and Hellenic kingdoms began trade with one another. Additionally, the Malay Peninsula became a trading post for Southeast Asian countries. As a result, the government became the country's top trader and had no choice but to regulate all commerce to safeguard its interests. The state's right to set prices served as the foundation for trade regulation. Trade and commerce were subject to various levies that were imposed in various ways. Despite the government's unfriendly stance against merchants, commerce did contribute to the treasury. Merchants were referred to as "Achaurashchar" in "Arthashastra"—not by name, but in a derogatory sense, like a robber. Foreign nations enjoyed cordial connections with the Mauryas. The Mauryans fostered friendly ties with several western nations, including Syria, Egypt, and others, in order to facilitate commerce. During that period, commerce and manufacturing were booming.

The towns of the Mauryan dynasty were home to many merchants from other countries. Some provisions could not have been avoided when establishing the pricing control system. It was forbidden to sell any commodities in their field or factory of origin. The next step was to bring them to the approved marketplaces, or pannya-sala, where the vendor may have their wares assessed for quality, quantity, and price. Obtaining a license to sell was mandatory for all merchants. A passport was also required of the foreign dealer. Items were brought in and out of the country. Some items were so popular in the Mauryan empire that the rulers would bring them in from outside. Rugs, carpets, figs, jewels, coins, wines, and exquisite silverware are all examples. They export some value products just as much as they import some vital ones from elsewhere. The exported muslins and jamdani fabrics were in great demand. A distinct department was established to oversee trade and commerce, which quickly became very lucrative for the empire. This agency was responsible for introducing a transparent system. All products were officially stamped and measured using standard weights and measurements. When the Mauryas started engaging in marine commerce later in their reign, they began building ships and leasing them out to traders. While the Maurya dynasty did not have a central bank, they did have a mechanism for exchanging money. Goods imported and exported were subject to taxes. Goods were the only things that could be taxed. Throughout, export and import tariffs were used to tax trade. How he went about his business was crucial. Roads and rivers both played important roles in the Maurya Empire's commercial network.

Other Taxes:

A large portion of the Mauryan government's coffers were filled by land taxes

(Shita, Vag, Bali and Kara). There was monetary transactions, even if land taxes were the primary (though not exclusive) source of income. Neither were artists and craftspeople immune from paying taxes. It is also important to note the following taxes:

A levy known as the Shenavaktam was levied in order to fund the army.

The monetary present given at the birth of a prince was known as the Utshanga tax.Also contributing to the state coffers were brothels, casinos, nightclubs, and slaughterhouses. The money was loaned by the state. Not only would this money be due, but the interest would also bring in a tidy sum for the government. A tax was imposed on all municipal residents who owned their own house. Revenue from irrigation, ferry crossings, etc., was substantial. The treasury also received fines that were levied during judicial procedures. The king would inherit any remaining property. It was official state policy to own any loot discovered inside the state. In times of crisis, additional levies were imposed. Lands, woods, and mines owned by the royal family were regarded as state property. The wealth generated by these mines allowed the monarch to amass forces. The production of salt was reserved for the state. A modest rate of tax might be applied to imported salt. Including the alloy in the money also brought in money for the government. Earnings from unemployed labor were also taken into account.

Taxes were a major hardship for those who were not Brahmin under the Maurya Empire. War, evangelism, and public welfare all relied heavily on tax revenue. Consequently, the tax load was quite heavy. Tax collectors repress renters when it comes to collecting taxes. Uprisings broke out in several areas of the Maurya Empire as a result of the tax system.

Revenue Administration:

The role of tax administration during the Mauryan era was described by Dr. Ghoshal. According to him, the "Arthashastra" makes it unclear what role the minister has in handling tax administration. However, the "Manu-Shamhita" said that the monarch was to choose an official to handle matters pertaining to the treasury. Two prominent officials, "Shamarhata" and "Shanniddhayta," were described in the "Arthashastra." The major authority over the management of economic issues belonged to them. They were on an equal footing. An annual compensation of 24,000 silver coins was theirs. Financial and other obligations fell on both of them. Šamarhat also had responsibilities pertaining to criminal and public justice. It was part of his job as a police officer to keep tabs on merchants and monks via the use of spies. He was responsible for handling the state's revenue and expenditures so that he could meet his financial responsibilities. Ports, mines, irrigation systems, forests, commercial routes, etc. were all within his purview. He was supposed to increase income while decreasing expenses. He had to boost revenue significantly throughout the crisis. The government buildings were built and maintained by Shanniddhayta. He oversaw the national treasury. The quantity of money must have seemed weird to him. At the lowest levels, Šamarhta and Shanniddhayta served as superintendents and were chosen after passing a specific test.

Financial management was also carried out by three additional types of staff. What they were It was Gopp's responsibility to keep track of the money for the five or ten communities they were in charge of Sthanik—A fifth of the state was under their control. As a result, they had to cover more ground in their recordings.It is well-documented that Pradeshtas were used for tax collection within their sphere of influence.

Wholesale pricing were determined by the trade commander. The profit margin, he let determine the sale price. People faced harsh consequences for engaging in smuggling and counterfeiting products. The government outlawed worker strikes in an effort to increase pay. It was the state's duty to safeguard its citizens, clients, and consumers against unsanctioned pricing and deceitful transactions. Along with training merchants to recognize and avoid fraudulent product claims, the state also sent a slew of spies and market inspectors to patrol trade channels. At all times, the shipment's whereabouts were tracked. The government officer in charge of the area they were going through was supposed to replace anything lost during passage. Responsibility was vested in a village's headman, who was known as Grama-Svami or Grama-mukhya. Dacoit gangs from other countries, warring Mlechchha tribes (such as the Kirats), and woodland dwellers on the prowl for loot all need vigilant trade protection in bygone days. Hunters and dog breeders, however, stood watch over every community.

The rise and fall of the Maurya Empire were unprecedented events in ancient Indian history. There were no competent successors to Emperor Ashoka, and the empire fell into ruin. In his account of the collapse of the Mauryan Empire, Dr. Niharranjan Roy brings up the topic of popular uprising. He claims the Maurya rulers' excessive taxation was the root cause of the uprising. A fourth of the crop was taxed, which was a very low amount compared to Megasthenes. Dr. Koshamvi claims that the post-Ashoka era was a difficult one for the Mauryan economy. Since prostitutes were also subject to taxes during that era. In addition, there was a dramatic spike in the forgery of the era's coinage. However, Dr. Romeela Thapar was opposed to it. He claims that it was during the

Mauryan era that he first understood the significance of tax. Consequently, taxing anything that might be considered taxable was the norm throughout that period. It was the usual for these taxes. Another option for hiding money is to increase currency counterfeiting.

Gupta Empire

The collapse of the Mauryan empire severely fractured Indian history. Reason being, after the Mauryans, no monarch dared to emulate their actions. In addition, the majority of India was governed by foreign powers for an extended period after the Mauryas. The Kushana dynasty brought India back together for a while, but after they fell, it was never the same. The Gujrat and Malavar kingdoms were part of the short-lived Shaka dynasty. A second major empire, this one centered on Magadha and ruled by the Guptas, emerged roughly 500 years after the Maurya Empire collapsed. The Indian subcontinent was once again united, peaceful, and prosperous during the Gupta dynasty. Gupta rule lasted longer than Maurya rule, despite the fact that the Gupta dynasty was shorter. According to some historians, the Gupta dynasty was India's most prosperous era. Chandragupta I, Samudragupta, and Chandragupta II were the most influential and famous members of the Gupata dynasty, which was established by King Sri Gupta. As the third century AD drew to a close, three major Indian empires rose to prominence. In western India, the Midlands saw the Varsib Nagas, in the Deccan, the Bakatakas, and in eastern India, the Guptas. The precise tribe to which the Guptas belonged is unknown. It is also difficult to pinpoint the precise location of the original adobe. Henrik Prayag and the Guptas were feudal lords under the Varsib Nags of the Western Midlands, according to historians. Numerous people have rediscovered Magadha as their ancestral dwelling place, using Vayu, Vishnu, and BhagabataPurana as justification. Once at a time, AS. Altekar had this opinion. Yet, his confidence in the subject waned as time went on. Since Bihar did not provide any coins minted by Chandragupta I, the first king of the Gupta dynasty. Additional information was provided by Dr. D.C. Ganguli later on. He determined that the Guptas' abode was Murshidabad in Bangla. Dr. Goyal states that the Guptas resided in Allahbad and the Yukta Pradesh region of eastern India.

Fig: Gupta Empire.

Geographical area. Therefore, he focused on Gupta texts and coinage, particularly the location of the Allahbad Prashasti. This area of Uttar Pradesh has yielded fourteen hoards of Gupta gold coins, compared to only two hoards in Bihar and Bengal. Eastern Uttar Pradesh was the site of six inscriptions, Magadha of two, and Bengal of five, all dating back to the first 150 years of the Gupta rule. According to the Harishena Prashasti, Samudra gupta had a particular fondness for the Allahbad region. That the first Gupta dynasty ruled over the heart of the country in eastern Uttar Pradesh is so readily apparent.

There are primarily three types of artifacts from the Gupta era: inscriptions, coinage, and literature. The finest Gupta-era inscription was that of Samudragupta, which was found on a pillar. His inscriptions at Nalanda, Gaya, and Aaron are equally remarkable. Important information is also included in the Chandragupta II pillar inscriptions at Mathura. The largest number of inscriptions was fourteen, which Kumaragupta I had. The Third Udaipur Cave Inscription, Mandasor Inscription, and Damodarpur Inscription are three of the most notable. Important information is provided by Skandhagupta's Junnagarh, Supiya, and Vitari inscriptions. Learn important details from the Budhgupta inscriptions found at Saranath, Paharpur, Rajghat, and Damodarpur on copper plates. During the Gupta era, coins made of gold, silver, and copper were in circulation. It seems that the gold coins from that time were just knockoffs of the Kushangold coins. Nevertheless, this does not meet all standards. Gold coin counterfeiting rose throughout the Gupta era, and the quantity of gold in circulation fell. That fluctuations in the price of gold portend a catastrophic economic collapse. The history of the Gupta dynasty might be better understood with the aid of these many gold coins that have been discovered around India. By analyzing these coins, we may piece together the Gupta dynasty's past.

Literature, along with inscriptions and coinage, contributes to the chronicle of that era's history. The Purana is a reliable historical text among them. Sources such as "Aryamanjusrimulkalpa," Bajjika's play "Kaumudini Mahotshaba," Vishakhadutta's drama "Devi Chadraguptam," and Kamandaka's "Nitisara" provided crucial details on the Gupta kingdom. You may piece together the Gupta dynasty's history using bits and pieces from these three sources. The Gupta economic system: The Gupta era was characterized by widespread cultural advancement due to the period's stable and prosperous economy. While agriculture played a crucial part in the Gupta Empire, commerce and manufacturing also saw substantial growth. Agriculture played a significant role in the Gupta Empire, just as it did in the Mauryan Empire. The Gupta period saw economic growth and prosperity as a result of increased commerce and agricultural output.

Agriculture:

One of the Gupta Empire's pillars was agriculture. As a result of their emphasis on agriculture, the Gupta economy thrived. The Gupta rulers used scientific ways to enhance agricultural productivity, and the system of agriculture was already advanced at this time.

Land ownership:

When asked about land ownership during the Gupta era, historians have offered varying opinions. According to Dr. Basák, the state did not possess the property back then. Here, he presented not one but two reasons. First, not even the state could transfer property to someone without the general public's agreement; this included Mahamatra and another businessman, who were both district representatives of the people. The second point he presented was that the state treasury would legitimately get one-sixth of the selling revenues, as stated in a gift document discovered in Faridpur. The remaining funds' intended use remained unclear. Gram-Shava would end up with one fifth of the remaining six. Basak put out two reasons, which Dr. Ghoshal sought to disprove. According to Ghoshal, Dr. Basaka's view was not supported by enough evidence. The official figures of the Gupta period, he said, were not included in the inscriptions concerning this matter. There is some mention of lesser workers, but no proof that their permission was needed to sell the property. A misunderstanding of the term "Dharmasaravaga" is the foundation of Basak's second argument, in his view. The true sense of this term is a portion of religious excellence. At that time, the property could only be purchased by those who could provide written notice to the buyer that the land would be transferred for religious reasons only. Therefore, everyone thought the monarch would give in to the buyer's demands and take a cut of the profits. Nonetheless, the common belief is that peasants owned property for a considerable portion of the Gupta era.

A North Bengali inscription stands out as a clear outlier. It seems that the local community and the state had shared ownership of the property. The authority to convey property was shared between the monarch and the local councils. At this time, there is no easy way to decide on a plan for the whole state's geography. Even though the king's barns were stocked with grain to stave off starvation, the common belief was that he had no business having so much of it. The state's impoverished population received food distributions during the famine. The "AGRAHAARA" grants that the monarch might make may be revoked after he passed away. During the Gupta dynasty, the monarch enjoyed absolute power. While the Guptas were in power, rice, wheat, sugarcane, bamboo, and other crops were staples in their diet. The agricultural irrigation system was given particular care by the Gupta rulers. The territory was bestowed to the Buddhist Church by the Gupta emperors. The church acted as a banking and helped anybody in need of financial assistance. Lending money at this time was more affordable than it had been during the Maurya Empire. An interest rate was not predetermined since no policy was issued by the government. Both sides would have to agree for the interest rate to be greater than the current one. Easy and reasonably priced access to capital was a beneficial aspect that contributed to the Gupta Empire's economic growth.

There are a several ways to categorize the terrain that existed during the Gupta era:

- Kshetra: Land suitable for farming.
- Khala means desolate terrain.
- Aprahita: root system of a forest or jungle.
- Vacanti means livable land.
- Saratoga means pasture.

Irrigation system:

One of the primary responsibilities of the Gupta dynasty rulers was to ensure the general improvement of agriculture since it was a major source of revenue at that time. Therefore, the agrarian lands' irrigation system was well-maintained by the kings using various means. Here were the procedures:

• **Tank:** A widely used method of watering crops during the Gupta era. After suffering extensive damage during the Mahakshatrapa, the Sudersana tank in Saurashtra underwent full restoration. It was restored by Skandhagupta.

• **Wells:** This was still another way water might be supplied. Here, canals were dug and water was piped from wells to the crops.

This method, known as the Chain of Pot Method, was in use long before the Gupta era. The system used a series of interconnected pots held together by a chain; the chain extended to the water level of the hull, and the pots were continuously filled and emptied as the operator turned the chain and the pots. Araghatta and Gati were other names for this technique.

Another recognized form of reservoir, ponds were used to collect rainfall in ancient India. One possible solution in southern India is tank irrigation. It was the responsibility of the Gupta Empire's government to ensure that its growers had access to the several forms of irrigation that were commonplace there.

- Kshetra: cultivable land.
- Khila: barren land.
- Aprahita: jungle or forest floor.
- Vasti: habitable land.
- Gapata Sarah: pasture.

Trade and Commerce:

During the Gupta era, industrialization was in full swing. Important to the Gupta Empire's economy was the textile sector. There were a lot of things made and sent out by this sector of the economy. Muslin, flax, silk, wheat, spices, salt, bullion, calico, wool, cotton, and so on were among the most important commodities. Other Gupta Empire industries included carving and molding stone, as well as working with ivory. Additionally, jewelry made of valuable metals including pearls, copper, iron, bronze, and silver was highly sought for. However, ceramics was the Gupta period's most significant industry. Numerous gold coins were circulated by the Gupta emperors. Dinars were the name given to these golden coins. Among ancient Indian empires, the Guptas' gold coins have been the most abundantly discovered. Silver coins were also minted by the Gupta kings. Silver coins were first created during the Gupta period by Emperor Chandragupta I. Coins made of lead and rare copper were also circulated throughout the Gupta period. European nations, as well as China and Ceylon, were trading partners of the Gupta Empire. Chinese silk and East African ivory were imported by the Guptas. The Gupta Empire's trade hub shifted to Southeast Asia at this time. The empire's commercial operations were very streamlined and effective. The Roman Empire began to ease its trade restrictions about the year 550 AD.

Under the Gupta dynasty, the leather industry also thrived. Artworks from the modern era often included footwear made of leather, such as boots and shoes. The jewelry art form has progressed to a more refined level. The "Brihat-Samhita" makes reference to about 22 different types of gems. There were a lot of various functions for jewelry back then. The profusion of brass, gold, and silver was also noted by Hiwen-Tsang. Ancient coinage, including seals and coins made of gold, silver, and copper, attests to the period's sophisticated metalworking. The Gupta dynasty was also notable for its advanced shipbuilding industry, which aided in communication and commerce. Both colonization and commerce benefited from this. The mining and metallurgical sectors stood out among the many that thrived under the Gupta era. For the most part, guilds remained the backbone of the manufacturing and trading industries. Weavers and stone cutters were among the many manual laborers who belonged to guilds alongside bankers and merchants. These guilds had enough independence to run their own businesses and take part in the people's economic life. For banking, member dispute settlement, and the issuance of hundis and coins, they relied on their own property and trusts. These guilds were vital to the production of products and to the improvement of the empire's economic standing. All merchants were required to follow the rules set down by their respective guilds.

Animals were the primary means of transportation for commodities throughout that era. Travel by road and water were the main means of trade. Along with Gaya, Pataliputra, Vaishali, Banaras, Kausamvi, Mathura, Peshawar, and Prayag, the Gupta era saw the establishment of many more significant cities. Public highways linked these cities, and the state ensured the safety of its citizens and merchants by providing all necessary amenities. Trade between eastern and western nations was common for the Guptas. Maritime trade with the Byzantine Empire, Sri Lanka, Persia, Africa, Arabia, and other regions was common practice for the Gupta dynasty. During the Gupta period, many seaports played a significant role:

- Tamralipti
- Arikameda
- Muziris
- Barbaricum
- Kaveripattnam
- Pratishthana
- Brighukachchha
- Sopara

All corners of the Gupta Empire's interior roads led to these ports.

Revenue system:

The Gupta era placed a premium on taxation and the revenue system. There is less information on the Gupta period's taxation system in the inscriptions from that era. During the Gupta era, these were the levies that were widely accepted:

• Treasury contributions for land: a quarter or half of the harvest went into this pot. Just what it sounds like: a tax on land.

• Vog Kara or Chungi Kara: workers of the town and village were required to pay this tax as part of their compensation. Products were subject to this levy.

• Bhootpratya, also known as the consumption tax, was imposed on all produced commodities inside the empire. Ports, ferries, and protected towns were also subject to taxes. The state was the rightful owner of the degraded land, woods, and salt mines. Rentals or sales of items derived from them were the main sources of income. Local institutions were entrusted with the management of the state-owned fallow land.

That "only those who cultivated state land had to pat a portion of the grain" is what Fa-Hien writes. His comment muddled the thoughts of historians. It is widely believed that the majority of the funds were obtained via the leasing of state-owned property. Nonetheless, there is a little flaw in this theory. The state's revenue from alcoholic beverages should be disregarded if Fa-Hien's evidence is believed. The selling of alcoholic beverages was envisioned in "Arthashastra" as a way for the state to generate income. Even throughout the Gupta era, consuming alcohol was not outright forbidden, according to documents from both the pre- and post-Gupta periods. In the early 5th century, the Middle Kingdom was supposedly an affluent and joyful place to live, according to Fa-Hien. He went on to say that India had a comparable picture of peace and development. Affluence and the comforts of city life were likewise preserved by the populace.

Land revenue was the state's primary source of income throughout the Gupta dynasty. 'Uparikara' (octroi), a kind of taxation imposed on textiles, oils, and other products, was one type of production that was declared as royal income. Traders were robbed of their 'Sulka' whenever they transferred any form of product from one city to another. A merchant was fined up to eight times the initial "Sulk" if he failed to provide the "Sulk" or canceled the cargo.

Revenue administration:

A number of individuals were designated to carry out this function:

• Pustapala (keeper of records): Prior to documenting any transaction, Pustapala interviewed the interviewee and thereafter recorded various details about the transaction.

In addition to reclaiming her royal responsibilities, Gopasramini entered other problems with accounting opponents. Additionally, he fined people for losses caused by carelessness or fraud and cheekily embezzled money.

Conclusion

Income from land was the backbone of the economy throughout the Mauryan and Gupta dynasties. The bulk of the empire's population was rural, agricultural laborers in both eras.They were the economic engine that never stopped spinning. Though it paled in comparison to land income, the royal treasury was nonetheless benefited by trade and commerce. To manage their enormous empires, kings and queens of the Maurya and Gupta periods required legions of trained warriors. That massive army required a substantial budget, to reiterate. Furthermore, leaders should consistently take precautions to avoid hostility from outside forces and keep positive ties with the global community.

In both periods, a large amount of money was required for agricultural pursuits, trade and commerce, and the establishment of cordial connections with foreign nations. So, the kings and queens did a lot to foster trade and commerce and grow the agricultural sector. This is how the kings and queens enriched themselves monetarily. Even if no empire could remain in power indefinitely, those in charge certainly weren't naive in their attempts to maintain economic stability. The leaders began their efforts to ensure the revenue system's general success with the selection of competent treasurers. This allowed the monarchs to keep their governments well-funded and running smoothly. The rulers of both times used much the same strategy to keep their economies booming. During both times, the watering system and income collection functioned without a hitch.

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''हवामान बदलाचे भारतीय शेतीवर होणारे परिणाम: एक चिकित्सक अभ्यास''

डॉ. रामनाथ सांगुळे[1], श्री.घडलिंग निवृत्ती साहेबराव[2]

[1]मार्गदर्शक, अर्थशास्त्र विभाग प्रमुख, अंकुशराव टोपे महाविद्यालय, जालना

[2]संशोधक विध्यार्थी, डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, संभाजी नगर

(संशोधन केंद्र, अंकुशराव टोपे महाविद्यालय, जालना)

Corresponding Author- श्री. घडलिंग निवृत्ती साहेबराव
Email: nivrutighadling20@gmail.com
DOI-10.5281/zenodo.10539150

सारांश :

जागतिक हवामान बदल हा दीर्घकालीन हवामानाच्या नमुन्यांमधील बदल आहे. जो जगातील प्रदेशांचे वैशिष्ट्य आहे. ''हवामान हा शब्द एखाद्या प्रदेशातील तापमान, वारा आणि पर्जन्यमानातील अल्पकालीन (दैनंदिन) बदलांना सूचित करतो. मेरिटस् ए.एल. यांच्या मते, १९९८ मध्ये दीर्घकाळात, हवामानातील बदलाचा शेतीवर अनेक प्रकारे परिणाम होऊ शकतो. जसे की, उत्पादनक्षमता वाढीचा दर, प्रकाश संश्लेषण आणि बाष्पोत्सर्जन दर, इ. च्या दृष्टीने पिकांचे प्रमाण आणि गुणवत्ता उत्पादन कमी ज्या भागात तापमान आधीच पिकांसाठी फिजिपॉलॉजिकल मॅक्सिमाच्या जवळ आहे, तापमान वाढीचा परिणाम लगेचच उत्पन्नावर होतो. वातावरणातील बदलांमुळे हवामानातील बदलांचे वाहक देखील अन्न उत्पादनावर थेट परिणाम करू शकतात. हवामान बदलामध्ये शेतीच्या योगदानाचे परिणाम आणि हवामानातील बदलाचा शेतीवर होणारा नकारात्मक परिणाम गंभीर आहे; ज्याचा अन्न उत्पादनावर मोठा परिणाम होण्याचा अंदाज आहे. आणि त्यामुळे अन्नसुरक्षा धोक्यात येऊ शकते आणि म्हणूनच लढाईत विशेषत: कृषी उपायांची आवश्यकता आहे. ग्रीनहाऊस इफेक्ट ही एक नैसर्गिक प्रक्रिया आहे. जी पृथ्वीच्या हवामानातील बदल घडवून आणण्यास कारणीभूत आहे. हे पृथ्वीच्या पृष्ठभागाजवळ तुलनेने उबदार आणि आदरतिथ्यशील वातावरण तयार करते. जिथे मानव आणि इतर जीवसृष्टी विकसित आणि समृद्ध होऊ शकतात. हरितगृह वायू (उ्ड), कार्बन डायऑक्साइड (ण्द२), मिथेन (ण्द४), नायट्रस ऑक्साईड ची वाढलेली पातळी मानवंशजन्य क्रियाकलामुळे पृथ्वीच्या तापमानात एकूण वाढ झाली आहे. ज्यामुळे जागतिक तापमानवाढ झाली आहे. १९ व्या शतकाच्या उत्तरार्धापासून सरासरी जागतिक पृष्ठभागाचे तापमान ०.७४° से. ने वाढले आहे.

प्रस्तावना :

सध्या हवामान बदलाची समस्या सर्व जगालाच भेडसावत आहे. बदलत्या हवामानामुळे शेती करणे दिवसेंदिवस अवघड होत चालले आहे. अशातच हवामानाच्या आपत्तीजनक घटना उदा. अवकाळी पाऊस, जोराचा वारा, गारपीट, ढगाळ वातावरण, थंडीची व उष्णतेची लाट, पुर, दुष्काळ वारंवार घडत आहे. यामुळे दिवसेंदिवस शेती अधिकाधिक तोट्याची होऊ लागली आहे. अशा बदलत्या हवामानामुळे पिकांवर कीड व रोगांचा प्रादुर्भाव होऊन पिकांचे अतोनात नुकसान होत आहे. पिकांप्रमाणेच पशुधनावर व रेशीम शेतीवरही याचा विपरीत परिणाम होत आहे. हवामान बदलाचे शेतीवर होणारे परिणाम आणि त्याचे शेती व्यवस्थापनावर होणारे दुष्परिणाम काय आहेत याचा शोधा घेणे अत्यंत आवश्यक आहे. भारतासाठी अन्न, पोषण आणि उपजिविका सिक्युरिटीज सुनिश्चित करण्यासाठी कृषी क्षेत्र महत्त्वपूर्ण आहे. भारतीय शेतीने भूतकाळात लक्षणीय प्रगती केली होती. परंतु सध्या ती अनेक आव्हानांना तोंड देत आहे. निव्वळ पेरणी केलेले क्षेत्र, पठारी उत्पादनाची पातळी, मातीची गुणवत्ता ढासळणे, दरडोई जमिनीची उपलब्धता कमी होणे आणि हवामान बदलाचा प्रतिकूल ही भारतीय शेतीपुढील प्रमुख आव्हाने आहेत. दुसरीकडे, लोकसंख्या वाढीचा दर वाढीव अन्न उत्पादनासाठी कृषी क्षेत्रावर दबाव आणत आहे. हे काम खूप आव्हानात्मक आहे. कारण निव्वळ लागवड केलेल्या क्षेत्रापैकी सुमारे ६० टक्के पेक्षा जास्त क्षेत्र पावसावर अवलंबून आहे. आणि हवामानातील परिवर्तनशीलता आणि हवामान बदलामुळे उद्भवणाऱ्या जैविक आणि अजैविक तणावांच्या संपर्कात आहे. ८०% जास्त भारतीय शेतकरी किरकोळ आणि सीमांत शेतकरी आहेत. ज्यांची सामना करण्याची क्षमता कमी आहे. शिवाय, भारतीय शेतकरी विषम आणि असंघटित आहेत. हवामानातील बदल आणि परिवर्तनशीलतेमुळे भविष्यातील अन्नसुरक्षेची समस्या निर्माण होण्याची शक्यता वाढत आहे. त्यामुळे शेतीच्या शाश्वततेवर दबाव निर्माण होईल.

पावसावर आधारीत प्रदेशातील कृषी उत्पादन, जे लागवडीखालील क्षेत्राच्या सुमारे ६० टक्के आहे. आणि भारतातील एकूण उत्पादनापैकी सुमारे ४०-४५ टक्के प्रमाण आहे. हे वर्षानुवर्ष बदलत असते. म्हणूनच अर्ध शुष्क उष्ण कटिबंधातील पावसावर अवलंबून असलेल्या पिकांचे उत्पादन टिकवून ठेवण्यासाठी आणि वाढविण्यासाठी हवामानातील परिवर्तनशीलतेच्या ज्ञानाचा वापर करून व्यावहारिक नाविण्यपूर्ण पीक पद्धती आणि कीड आणि रोग व्यवस्थापन स्थान विशिष्ट कृषी हवामानासाठी वापरणे आवश्यक आहे.

हवामान बदलाचा अर्थ :

रंजन केळकर यांच्या मते हवामानातील बदल जेव्हा आपल्या अपेक्षेप्रमाणे होत राहतो. तेव्हा आपण त्याविषयी अधिक विचार करत नाही, पण ज्या प्रकारच्या हवामानाची आपल्याला सवय नसते. तसे हवामान जेव्हा आपण अनुभवू लागतो. अशावेळी त्यास हवामानातील बदल असे म्हटले जाते.

हवामानशास्त्राची व्याख्या :

हवामानशास्त्र इंग्रजीमध्ये 'ण्त्र्ड्रदत्दुब' असे म्हटले जाते. शब्दांच्या उत्पत्ती शास्त्रानुसार ग्रीक भाषेतील 'ख्त्र्ई' क्लाइमा या शब्दाचा अर्थ म्हणजे पृथ्वीचा उतार होय. ॲरिस्टॉटलने क्लाइमाचा उपयोग अक्षवृत्त म्हणून केला होता. पृथ्वी गोलाकार असल्याने अक्षवृत्तानुसार हवामान बदलते. म्हणून 'Klima' *क्लाइमा म्हणजे बदलते हवामान व थ्दुदे लोगस म्हणजे अध्ययन किंवा शास्त्र होय. म्हणून* klima + logos =

Climatology *क्लाईमॅटोलॉजी म्हणजे पृथ्वीवरील बदलत्या हवामानाचे अध्ययन किंवा शास्त्र होय. क्लाइमा या शब्दावरून क्लाएमेट हा इंग्रजी शब्द हवामानासाठी प्रचलित आहे.*

१) कोपेन व डीलॉग व्याख्या :

हवामान व त्याची विविध अंगे त्यांच्या वितरणावर परिणाम करणारे घटक तसेच प्रत्यक्ष त्या घटकांचे प्रादेशिक वितरण स्पष्ट करणे म्हणजे हवामानशास्त्र होय.

२) डब्ल्यु. जी. मूर व्याख्या :

"पृथ्वीवरील विविध प्रकारचे हवामान व त्यांचा नैसर्गिक पर्यावरणावर होणारा परिणाम यांचा अभ्यास करणारे शास्त्र म्हणजे हवामानशास्त्र होय.

संशोधनाचे उद्दिष्ट्ये :

१) हवामान बदलाचा शेती क्षेत्रावर झालेल्या परिणामाचा अभ्यास करणे.

२) हवामान बदलाचा अभ्यास करणे.

संशोधनाची गृहितके :

१) जागतिक स्तरावर हवामानात बदल होत आहे.

२) भारतीय शेती क्षेत्रावर हवामान बदलाचा प्रतिकूल परिणाम होत आहे.

संशोधन पद्धती :

प्रस्तुत शोधनिबंध दुय्यम साधन सामुग्रीवर आधारीत आहे.

विषय विवेचन :

भारतीय अर्थव्यवस्था कृषी प्रधान असून शेती हा भारतीय अर्थव्यवस्थेचा कणा आहे. पर्जन्यदृष्टीच्या बदलत्या स्वरूपाचा परिणाम भारतीय शेतीवर क्षेत्रावर पाहायला मिळतो. कारण भारतीय शेती क्षेत्र त्या-त्या भागातील हवामानाच्या स्थितीवर आधारित आहे. हवा म्हणजे कोणत्याही एका विशिष्ट ठिकाणी विशिष्ट वेळेची हवामानाची स्थिती होय. पावसाला काही वर्षी खूपच अधिकतर काही वर्षी खूपच कमी अथवा कोरडा झाल्याने पिकांच्या वाढीवर परिणाम झाला आहे. बदलत्या हवामानाचा परिणाम म्हणजे पर्जन्याची तीव्रता वाढली व त्यामुळे पावसाचे दिवस कमी झाले. हवामान बदलाचा परिणाम पावसाळ्यात दुष्काळ किंवा अतिवृष्टी आणि महापुर, हिवाळ्यात पाऊसाला आणि ढगाळ हवामान तर उन्हाळ्यात गारपीट होते. त्याचा परिणाम त्या-त्या हंगामातील पिके आणि पीक पद्धतीवर होतो. भारतासारख्या कृषीप्रधान देशात तर हवामानशास्त्र व शेती यांचा घनिष्ठ संबंध आहे. पिकांची पेरणी, मशागत, मळणी यासाठी हवामानाच्या ज्ञानाची नितांत गरज असते. कोणत्या हंगामत कोणती पिके घ्यावी, गारपीट, धुके, आवर्षण, अतिवर्षण अशा परिस्थितीत कोणत्या उपाययोजना कराव्यात, यासाठी हवामानशास्त्राची मदत घेतली जाते. तसेच हवामानाच्या पुर्वानुमानामुळे (Weather Forecasting) *शेती क्षेत्रातील होणारी हानी टाळता येणे शक्य झाले आहे.*

भारतीय शेतीवर हवामान बदलाचे परिणाम :

१) पिके :

सभोवतालच्या ण्ध मध्ये वाढ, फायदेशीर आहे कारण यामुळे पिकांमध्ये प्रकाश संश्लेषण वाढते विशेषत: गहू आणि तांदूळ यासारख्या प्रकाश संश्लेषणाची ण३ यंत्रणा असलेली पिके, आणि कमी झालेले बाष्पीभवन नुकसान असे असूनही विशेषत: गव्हासारख्या प्रमुख तृणधान्य पिकांचे उत्पन्न वाढण्याची शक्यता आहे. पीक वाढीचा कालावधी कमी होणे, वाढलेले श्वासोच्छवास आणि वातावरणातील तापमानात वाढ झाल्यामुळे पाऊस, सिंचन पाणी पुरवठा कमी होणे.

पूर, दुष्काळ, चक्रीवादळ आणि यासारख्या अत्यंत हवामानाच्या घटनांची वर्धित वारंवारता आणि कालावधी उष्णतेची लाट, ज्यांचा कृषी उत्पादकतेवर विपरित परिणाम होतो. पावसाळ्यात पिकांच्या पाण्याची वाढती मागणी आणि पावसाळ्यातील पावसाच्या पद्धतीत बदल झाल्यामुळे पावसाच्या क्षेत्रामध्ये उत्पादनात घट पावसाची अनिश्चितता आणि तापमानात वाढ, समुद्र पातळीत वाढ आणि दुष्काळ, चक्रीवादळ आणि पूर यांची वारंवारता आणि तीव्रता यामुळे कृषी जैवविविधता धोक्यात आली आहे.

२) पाणी :

वाढलेले तापमान आणि जास्त बाष्पीभवन यामुळे सिंचनाची गरज वाढते. यामुळे काही ठिकाणी भूजल पातळी कमी होऊ शकते. हिमालयातील हिमनद्या वितळल्यामुळे गंगा, ब्रम्हापुत्रा आणि त्यांच्या उपनद्यांमध्ये अल्पावधीत पाण्याची उपलब्धता वाढू शकते. परंतु दीर्घकाळात पाण्याची उपलब्धता खूपच कमी होईल. ओल्या ऋतूमध्ये पाण्याच्या प्रवाहात लक्षणीय वाढ होण्याचा अंदाज आहे. ज्यामुळे पुराची वारंवारता आणि कालावधी वाढू शकतो आणि मातीची खूप देखील होऊ शकते. तथापि, साठवण पायाभूत सुविधांचा विस्तार करून भविष्यातील वापारासाठी अतिरिक्त पाणी साठवले जाऊ शकते. भारताच्या विविध भागात पाण्याचा समतोल बिघडण्याचा अंदाज आहे. समुद्राच्या पाण्याच्या घुसखोरीमुळे किनारपट्टीलगतच्या भूजलाच्या गुणवत्तेवर अधिक परिणाम होईल.

३) माती :

सेंद्रिय पदार्थाचे प्रमाण आणि गुणवत्ता कमी झाली आहे, जी भारतीय मातीत आधीच खूपच कमी आहे. भारदस्त ण्ध, एकाग्रता अंतर्गत, पिकांच्या अवशेषांमध्ये ण्दृ गुणोत्तर जास्त असते, ज्यामुळे त्यांचे विघटन आणि पोषक पुरवठा कमी होऊ शकतो. मातीचे तापमान वाढल्याने खनिजीकरण वाढेल. परंतु त्याची उपलब्धता यामुळे कमी होऊ शकते. बाष्पीकरण आणि डिनिट्रिफीकेशन यासारख्या प्रक्रियांद्वारे वाढलेले वायु नुकसान होते. पावसाचे प्रमाण आणि वारंवारता आणि वाऱ्याची तीव्रता बदलल्याने मातीची धूप होण्याची तीव्रता, वारंवारता आणि व्याप्ती बदलू शकते. समुद्राच्या पातळीवात वाढ झाल्यामुळे किनारपट्टीच्या जमिनींमध्ये खारट-पाणी घुसून ते पारंपारिक शेतीसाठी कमी योग्य ठरू शकतात.

४) पशुधन :

हवामान बदलाचा पशुधानाच्या खाद्य उत्पादनावर आणि पोषणावर स्पष्ट परिणाम झाला आहे. वाढलेल्या तापमानामुळे वनस्पतीच्या उतींचे वर्धित लिग्निफिकेशन होते आणि पचनक्षमता कमी होते. वाढलेल्या पाण्याच्या टंचाईमुळे अन्न आणि चारा उत्पादनाही घट होते. थंड भागात, हवामानातील बदलांचा वेक्टर लोकसंख्येच्या विस्तारामुळे पशुधनाच्या वेक्टर – जनित रोगांवर मोठा परिणाम झाला आहे. पावसाच्या नमुन्यातील बदल वर्षामध्ये वेक्टरच्या विस्तारावर देखील परिणाम करू शकतात, ज्यामुळे रोगाचा मोठ्या प्रमाणात उद्रेक होतो. ग्लोबल

वार्मिंगमुळे अंदाजे दुधाची मागणी पूर्ण करण्यासाठी पशुधनासाठी पाणी, निवारा आणि ऊर्जेची गरज वाढेल. हवामान बदलामुळे दुग्धजन्य प्राण्यांमध्ये उष्णतेचा ताण वाढण्याची शक्यता आहे, ज्यामुळे त्यांच्या पुनरूत्पादनावर विपरित परिणाम होतो.

५) मत्स्यपालन :

समुद्र आणि नदीच्या पाण्याच्या तापमान वाढल्याने मत्स्य प्रजनन, स्थलांतर आणि काढणीवर परिणाम होताना दिसून येतो. वाढलेले तापमान आणि उष्णकटिबंधीय चक्रीवादळाचा परिणाम सागरी माशांच्या पकड, उत्पादन आणि विपनन खर्चावर ही दिसतो. समुद्राच्या पृष्ठ भागाच्या उच्च तापमानामुळे कोल ब्लीचिंग वाढण्याची शक्यता आहे.

६) कीटक आणि रोग :

कोष्टक आणि रोगजनकांच्या भौगोलिक श्रेणीचा विस्तार रोगजनक आणि कीटक – कीटकांच्या लोकसंख्येच्या वाढीच्या दरात बदल बायोकंट्रोल एजंटसच्या सापेक्ष विपुलता आणि परिणामकारकतेमध्ये बदल रोगकारक कीटक- कीटक यजमान × पर्यावरणातील परस्पर संवादातील बदल आणि प्रतिकारशक्ती कमी होणे तापमान –संवेदनशील जीन्स असलेल्या जाती नवीन रोग कीटक समस्यांचा उदय आणि स्थलांतरीत रोग आणि कीटकांच्या आक्रमणाचा धोका वाढतो.

हवामान बदलाचे शेती क्षेत्रासमोरील आव्हाने :

१) बदलत्या पावसाच्या पद्धती, प्रवाहातील बदल आणि पिकांच्या पाण्याच्या मागणीत झालेली वाढ.

२) समुद्राच्या पाण्यामुळे पाण्याची गुणवत्ता बिघडणे, वाहतूक जलचरांचे अतिशोषण आणि दोषपूर्ण सिंचन पद्धतींचा परिणाम म्हणून खोल मातीच्या चरांमधून क्षारांचे प्रमाण.

३) दुष्काळ, पूर आणि चक्रीवादल यासारख्या अत्यंत हवामानाच्या घटनांची वारंवारता आणि तीव्रता वाढणे आणि याचा परिणाम सरासरीच्या प्रभावापेक्षा उत्पादन पातळीवर अधिक होतो.

४) हवामानातील बदल पिकांच्या वाढीच्या गंभीर टप्पावर उच्च तापमानामुळे उष्णतेचा ताण.

५) कीड आरि रोगांच्या भारत अप्रत्याशित बदल. बदलत्या हवामानासह किरकोळ कीड मोठी बनण्याची शक्यता आहे.

भारतीय शेतीला हवामान बदलाशी जुळवून घेण्यासाठी धोरणात्मक उपाय :

१) उच्च उत्पादन क्षमता नवीन पीक वाणांचा विकास :

नवीन पीक वाणांचा विकास ही उत्पादनाची स्थिरता टिकवून ठेवण्याची गुरू किल्ली असेल. उष्णता सहिष्णुतेसाठी महत्वाच्या पिकांच्या जर्मप्लाझममध्ये सुधारणा हे प्रजनन कार्यक्रमाचे एक लक्ष्य असावे. त्याचप्रमाणे, निसर्गात उद्भवणारे अनेक जैविक ताण सहन करण्याची क्षमता विकसित करणे आवश्यक आहे. या व्यतिरिक्त, जमिनीतून पाणी आणि पोषक तत्त्वे शोषून घेण्यासाठी मुळांची कार्यक्षमता सुधारणे महत्त्वाचे आहे. अनुषंगिक अभियांत्रिकी 'जीन पिरॉमिडंग' साठी 'आदर्श वनस्पती प्रकार' प्राप्त करण्यासाठी वनस्पतीमध्ये सर्व दुष्ट गुणधर्म एकत्रित करण्यासाठी महत्त्वपूर्ण भूमिका बजावू शकते जे 'प्रतिकूल हवामान सहनशील जीनोटाइप' देखील असू शकते.

२) पाण्यासारख्या नैसर्गिक संसाधनांचा कार्यक्षम वापर :

हवामान बदलाशी जुळवून घेण्यासाठी अत्यंत आवश्यक आहे. उष्ण तापमान आणि बदलत्या पर्जन्यमानामुळे, पाणी आणखी एक दुर्मिळ स्त्रोत बनेल. शेतीवर जलसंधारण तंत्र, सूक्ष्म सिंचन प्रणाली, पाणी वापराच्या चांगल्या कार्यक्षमतेसाठी आणि योग्य पीक आधारित सिंचनाची निवड यांना प्रोत्साहन द्यावे लागेल. मातीचे एकत्रिकरण सुधारून पाण्याची घुसखोरी वाढवणे, आच्छादन, कड, वनस्पतितून होणारी हेजेज वापरून प्रवाह कमी करणे आणि पिकांचे अवशेष पालापाचोळा वापरून मातीचे बाष्पीभवन कमी करणे, ही तत्त्वे माती –पाण्याच्या चांगल्या व्यवस्थापनासाठी वापर केला जाऊ शकतात. पाणी व्यवस्थापन कार्यक्षमतेत सुधारणा करणारे तंत्रज्ञान आणि गुंतवणूकीची गरज आहे. बिगर सिंचन क्षेत्रात, गरीब शेतकऱ्यांसाठी जलसंधारण आणि जलसंचय तंत्र हेच एकमेव पर्याय आहेत.

३) पीक पद्धतीत बदल :

उच्च तापमान प्रभाव कमी करण्यासाठी निर्जुंतकी करणाचा वापर उत्पन्नाची अस्थिरता कमी करण्यासाठी केला जाऊ शकतो. जेणे करून मुलांचा कालावधी एक रूप होणार नाही सर्वात उष्ण कालावधी वाढत्या हवामानातील परिवर्तनाचा नकारात्मक प्रभाव कमी करण्यासाठी खणखणीत आणि अर्धशुष्क उष्ण कटिबंधात अनुभवल्याप्रमाणे पीक दिनदर्शिका बदलणे समाविष्ट असू शकते. ओल्या कालावधीचा फायदा होण्यासाठी आणि हवामानातील तीव्र घटना टाकण्यासाठी वाढत्या हंगामात योग्य पिकांचा समावेश करण्यासाठी पीक पद्धती बदलणे आवश्यक आहे.

४) पीक विमा योजना (खाजगी आणि सार्वजनिक) :

हवामानाच्या घटनांमुळे पीक अपयशी होण्याचा धोका कमी करण्यासाठी शेतकऱ्यांना मदत म्हणून लागू करण्यात याव्यात. तथापि प्रभावी विमा संधींना प्रोत्साहन देणाऱ्या पॉलिसी तय करण्यासाठी माहिती आवश्यक आहे;. महिलांसह ग्रामीण भागात गरिबांमध्ये मायक्रो-फायनान्स यशस्वी ठरला आहे. आर्थिक सेवांचा कमी किंमतीत प्रवेश हा असुरक्षित शेतकऱ्यांसाठी वरदान ठरू शकतो. शाश्वत विमा प्रणाली विकसित करण्याची गरज आहे, तर ग्रामीण भागातील गरिबांना अशा संधीचा लाभ घेण्यासाठी शिक्षित केले पाहिजे. कारण मोबाईल टेलिफोनाच्या वाढत्या नेटवर्कमुळे एस.एम.एस. आधारीत बँकींग सेवेला आणखी गती मिळू शकते.

***५) संवर्धन शेती आणि संसाधन संवर्धन तंत्रज्ञान :* (RCT)**

संसाधने किंवा इनपुट – वापर कार्यक्षमता वाढविण्यासाठी आणि उत्पादन खर्चात कपात, पाणी, इंधन आणि कामगार आवश्यकता आणि वेळेवर बचत यासारखे तात्काळ, ओळख ओळखण्यायोग्य आणि स्पष्ट आर्थिक लाभ प्रदान करण्यासाठी अत्यंत उपयुक्त असल्याचे सिद्ध झाले आहे. आरसीटीचा (ῙῦΏ) अवलंब करून उष्णता आणि पाण्याचा ताण असलेल्या वातावरणात गव्हाचे उत्पादन लक्षणीयरित्या वाढता येते, जे प्रतिकूल पर्यावरणीय प्रभाव कमी करते. विशेषतः लहान आणि मध्यम शेतात. शून्य मशागतीमुळे शेतकऱ्यांना तांदूळ कापणीनंतर लवकर गव्हाची पेरणी करता येते.

निष्कर्ष :

प्रत्यक्ष आणि अप्रत्यक्ष प्रभावांच्या दृष्टीने हवामान बदलाचे शेतीवर होणारे परिणाम सर्वव्यापी असण्याची शक्यता आहे. संपूर्ण गृहावरील वनस्पतींचे आरोग्य राखणे, या बदलत्यात, हवामानातील बदल कमी करण्यासाठी, तसेच जैवविविधतेचे संवर्धन आणि जगातील बदल अंतर्गत इकोसिस्टम सेवांची तरतूद करणे ही मुख्य आवश्यकता आहे. शेतीवरील हवामान बदलाच्या परिणामांचे आकलन सुधारण्यासाठी विविध प्रकारच्या पीक आणि जैविक आणि अजैविक प्रणालींवर प्रायोगिक संशोधन आवश्यक आहे. परिवर्तनीय, अप्रत्याशित किंवा अज्ञात परिस्थितीत इकोसिस्टम आरोग्य आणि सेवा रोखण्यासाठी, आम्हाला अधिक लवचिक प्रणाली विकेंद्रीकरण, सहभागी संशोधन आणि प्रजनन नेटवर्कची आवश्यकता आहे. वाढती विविधता ही जमीन- सामायिकरण पद्धतीच्या बाजूने असेल. परंतु अवकाशीय आणि ऐहिक स्केल आणि विविधतेच्या प्रकारावर (अनुवांशिक, प्रजाती, प्रजाती) अवलंबून जमीन बाकीच्या परिस्थितीशी (शेतांच्या मार्जिनवर) संबंधित असू शकते.

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देशातील पायाभूत संरचनातील आमुलाग्र बदलाचा अभ्यास

प्रा.दिनेश यादवराव पारखे
अर्थशास्त्र विभाग प्रमुख, पाटपन्हाळे कला, वाणिज्य आणि विज्ञान महाविद्यालय
ता. गुहागर जि. रत्नागिरी. 415724
Corresponding Author- प्रा.दिनेश यादवराव पारखे
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प्रस्तावना:-

देशाच्या आर्थिक विकासात पायाभूत संरचना महत्वाची भूमिका बजावतात.त्यासाठी या पायाभूत सुविधा सुव्यवस्थित आणि समन्वित असणे आवश्यक आहे. त्याच बरोबर ती पर्यावरणपूरक असावी लागते. देशाच्या सध्या असलेल्या पायाभूत संरचनेतील वाहतूक व्यवस्थेमध्ये रस्ते, रेल्वे, हवाई आणि जल वाहतुकीचा समावेश होतो. गेल्या काही वर्षात देशात दळणवळण जाळे मोठ्या प्रमाणात विस्तारले आहे॰ रेल्वे आणि हवाई वाहतूक वगळता वाहतुकीच्या विविध पध्दतीच्या विकासासाठी जल वाहतूक मंत्रालय,रस्ते वाहतूक आणि महामार्ग मंत्रालय धोरण आणि कार्यक्रमाची निर्मिती आणि अमलबजावणी करत आहे. रस्ते वाहतूक पर्यावरणीय समस्या,वाहन निकषाशी संबधित व्यापक धोरणे तयार करणे तसेच शेजारील देशासोबत वाहतूक व्यवस्थाही केली जाते देशातील कृषि, उद्योग आणि सेवा क्षेत्राच्या विकासासाठी पायाभूत सुविधांची पुरेशी उपलब्धता असावी लागते. भारत हा 2047 पर्यन्त विकसित देश होवू पाहत आहे त्या अनुषंगाने देशातील पायाभूत सुविधेत जे आमुलाग्र बदल होत आहेत. त्यात रस्ते सुविधा त्यातील अत्याधुनिक बदल, रेल्वे सुविधा, हवाई मार्गातील आधुनिक बदल आणि जल वाहतुकीत कोणकोणते बदल झालेले आहेत याचा अभ्यास करण्यासाठी मी देशात गेल्या 10 वर्षापासून केंद्र व राज्य सरकारच्या प्रशासनाने जे बदल केलेले आहेत जे विविध प्रकल्प राबविले जात आहेत त्याचा अभ्यास करण्याचा सदर लेखात प्रामाणिक प्रयत्न केला आहे.

संशोधनाची उद्दिष्ट्ये:-

1. देशातील रस्ते वाहतुकीसंदर्भात नियोजित प्रकल्पांचा अभ्यास करणे .
2. देशातील रेल्वे वाहतुकीसंदर्भात नियोजित प्रकल्पांचा अभ्यास करणे.
3. देशातील नागरी हवाई वाहतुकीसंदर्भात नियोजित प्रकल्पांचा अभ्यास करणे
4. देशातील जल वाहतुकीसंदर्भात नियोजित प्रकल्पांचा अभ्यास करणे.

संशोधन पद्धती:-

संशोधन हे पुर्णपणे दुय्यम माहितीवर आधारित आहे. त्यासाठी विविध नियतकालिके, मासिके, वर्तमान पत्रे, वेबसाइट विशेषत: उद्योग आणि अंतर्गत प्रोत्साहन विभाग, सरकारचे मासिक आणि वार्षिक अहवाल याचा उपयोग करण्यात आला आहे. विविध अहवलातून प्राप्त केलेल्या माहितीवर आधारित साधनाचा वापर करण्यात आला आहे.

रस्ते वाहतूक-

देशात रस्त्याचा विकास होण्यासाठी 2009 मध्ये स्वतंत्र रस्ते वाहतूक आणि महामार्ग मंत्रालयाची स्थापना करण्यात आली. हे मंत्रालय वाहतूक ,संशोधन,रस्ते वाहतुकीशी संबधित कायदे,नियमन आणि नियम तयार करणारी व अमलबजावणी करणारी सर्वोच्च संस्था आहे.भारतात सुमारे 62.16 लाख किलोमीटर रस्त्याचे जाळे विस्तारले आहे. रस्ते वाहतूक मंत्रालय रस्ते वाहतुकीत सुधारणा होण्यासाठी विविध प्रकल्प राबविले जात आहे ते पुढीलप्रमाणे:-

1) भारतमाला प्रकल्प:- या प्रकल्पांतर्गत सीमावर्ती भागामध्ये रस्त्याचा विकास करणे,लहान बंदरांना रस्त्यांनी जोडणे,राष्ट्रीय मार्गीकांच्या कार्यक्षमतेत सुधारणा करणे,आर्थिक मार्गीकांचा विकास करणे,आंतरमार्गाचा आणि पूरक मार्गाचा विकास करणे,सागरमला प्रकल्पासोबत एकत्रीकरण करण्याबरोबरच या प्रकल्पांतर्गत 26 हजार किलोमीटर आर्थिक कोरिडोर चा विकास करण्यात येणार आहे यात सुवर्ण चतुर्भुज आणि उत्तर-दक्षिण व पूर्व-पश्चिम मार्गिकासह मालवाहतुक रस्त्याद्वारे जोडण्यासाठी 8 हजार किलोमीटर आंतरमार्ग आणि 7500 किलोमीटर पूरक मार्ग केले गेले आहेत.

2) राष्ट्रीय हरित महामार्ग प्रकल्प:-

2016 मध्ये राष्ट्रीय हरित महामार्ग प्रकल्पाची सुरवात करण्यात आली.पर्यावरणपूरक आणि हरित महामार्गाचा विकास केला जात आहे.महामार्गाच्या बाजूला झाडे लावल्यास वायु,ध्वनि आणि धूळ प्रदूषणात घट होण्यास मदत होत आहेत झाडामुळे उतारावर जमिनीची धुप ही रोखली जाते.या प्रकल्पासाठी जागतिक बँकेचे अर्थसाहाय्य मिळत आहे.

3) **भारतीय राष्ट्रीय महामार्ग प्राधिकरण:-**

भारतीय राष्ट्रीय महामार्ग प्राधिकरणाची स्थापना NHAI कायदा 1988 अंतर्गत करण्यात आली. NHAI कडे राष्ट्रीय महामार्ग विकास प्रकल्प (NHDP) सोपवण्यात आला आहे. तसेच इतर लहान प्रकल्प देखील देण्यात आले आहेत.देखभाल,दुरूस्ती आणि व्यवस्थापणासाठी 50329 km चे राष्ट्रीय महामार्ग निहित केले आहेत.कंत्राट देतांना आणि खरेदी प्रक्रिया राबवतांना अतिशय उच्च दर्जाची पारदर्शकता राखली जात आहे. तसेच प्रकल्पाची कामे ही सर्वोत्तम गुणवत्तेचे जे निकष आहेत त्याच्या पूर्ततेवर लक्ष

केन्द्रित केले जात आहे. महामार्ग व्यवस्था वापर कर्त्यांसाठी आरामदायि व सुविधायुक्त असतील यासाठी त्यांच्या देखभाल सुनिश्चितीचे उद्दीष्ट ठेवण्यात आले सध्या देशात (एक्स्प्रेस वे) द्रुतगती मार्गासह 132499 km राष्ट्रीय महामार्ग आहेत. एकूण रस्त्यापैकी फक्त 1.7 टक्के महामार्ग द्रुतगती महामार्ग आहेत. या मार्गावरून देशातील 40 टक्के वाहतूक होते.

4) राष्ट्रीय महामार्ग विकास प्रकल्प (NHDP):-

हे देशातील प्रमुख महामार्गाचे उच्च दर्जाचे आधुनिकीकरण ,पुनर्वसन आणि रुंदीकरण करण्याचा प्रकल्प आहे. 1998 मध्ये या प्रकल्पाची सुरवात करण्यात आली.केंद्रीय रस्ते वाहतूक आणि महामार्ग मंत्रालयांतर्गत NHAI कडून या प्रकल्पाचे व्यवस्थापन केले जाते.देशाच्या आर्थिक विकासाला गती देण्यासाठी 49230 KM चे रस्ते आणि महामार्ग बांधण्यात येणार आहे.सध्याच्या भारतमाला प्रकल्पामध्ये NHDP च समावेश करण्यात आला आहे.

5) पीएम गतीशक्ती:-

मल्टी-मोडल कंनेक्टीविटी साठी पीएम गतीशक्ती-राष्ट्रीय बृहत आराखडा 2021 हा मुख्यात: रेल्वे व रस्ते मार्गासह पायाभूत कंनेक्टीविटी प्रकल्पाच्या समन्वीत अमलबजावणी साठी आणि एकात्मिक नियोजनासाठी 16 मंत्रालयांना एकत्र आणणारा डिजिटल मंच आहे मल्टी-मोडल कंनेक्टीविटी मुळे नागरिक, वस्तु व सेवांच्या वाहतुकीसाठी एकात्मिक आणि अखंड कंनेक्टीविटी उपलब्ध होणार आहे. पीएम गतीशक्ती मुळे अतीदुर्गम भागातही पायाभूत सुविधा पोहचण्यास सहाय्य मिळणार आहे तसेच लोकांच्या प्रवासाच्या वेळेतही बचत होणार आहे.

पीएम गतीशक्तीची वैशिस्ट्ये:-

A) सर्वसमावेशकता:- पीएम गतीशक्तीमध्ये विविध मंत्रालये आणि विभागाचे सर्व विद्यमान आणि नियोजन उपक्रम एकाच पोर्टल मध्ये समाविष्ट असतील. प्रत्येक विभागाला प्रकल्पाचे सर्व समावेशक नियोजन आणि अमलबजावणी करतांना इतर विभागातील महत्वपूर्ण माहिती मिळणार असल्याने प्रकल्पाचे नियोजन काटेकोर पद्धतीने करता येणार आहे.

B) पुरेपूर वापर:- राष्ट्रीय बृहत आराखड्यात गंभीर त्रुटी ओळखून प्रकल्पाच्या नियोजनात विविध मंत्रालयांना मदत करता येते. माल एका ठिकाणाहून दुसऱ्या नेण्यासाठी वेळ आणि खर्च वाचवा यासाठी सर्वोत्तम मार्गाची निवड करण्यास या आराखड्यांतर्गत मदत होईल.

C) विश्लेषणात्मक:- अमलबजावणी करणाऱ्या यंत्रनेला एकाच ठिकाणी भौगोलिक माहिती प्रणालीवर (GIS) आधारित सर्व माहिती पुरविली जाते

D) गतीमानता:- सर्व मंत्रालये आणि विभाग आता GIS मंचाचा वापर करून इतर विभागाच्या प्रकल्पाची प्रगति पाहू शकतात. आढावा आणि देखरेख करू शकतात उपग्रहातून प्राप्त होणाऱ्या फोटोतून प्रकल्पाच्या प्रगतिची माहिती पोर्टलवर नियमितपणे अद्ययावत केली जाते.

6) पर्वतमाला योजना:-

प्रवाशांना चांगल्या दर्जाच्या सुविधा देण्यासाठी आणि पर्यटनाला चालना देण्यासाठी रोपवेच्या विकासासाठी राष्ट्रीय रोपवे विकास कार्यक्रम राबवला जात आहे डोंगराळ भागाबरोबरच शहरातील गर्दीच्या ठिकाणी उदा. वाराणसी,उज्जैन मध्ये वाहतुकीचे पर्यायी साधन म्हणून रोपवे विकसित केले जात आहे.

7) वाहन आणि परवाना नोंदीची राष्ट्रीय रजीष्ट्री:-

या क्षेत्रात आमुलाग्र बदल घडवून आणण्यासाठी मंत्रालयाने नागरिकांच्या हितासाठी अनेक धोरणाची अमलबजावणी केली आहे वाहतूक मिशन मोड प्रकल्पांतर्गत देशभरात वाहन नोंदी, कर, परवाना, फिटनेस आणि संबधित सर्वांचे एकत्रीकरण करण्यात आले तर सारथी अंतर्गत वाहन चालविण्याचा, शिकण्याचा परवाना, वाहन प्रशिक्षण केंद्रे आणि इतर प्रकल्प समाविष्ट आहेत.ही संपूर्ण माहिती आधार सोबत जोडून KYC करण्यात आली त्यानंतर digilocker मध्ये साठवण्यात आली. digilocker मध्ये वाहन परवाना, वाहनाचे कागदपत्र, नोंदणी प्रमाणपत्र, परवाना आणि इतर महत्वपूर्ण कागद पत्र साठवण्यात आली.या कागद पत्राचा वापर गरजेनुसार अधिकृत सॉफ्ट कॉपी म्हणून करता येते.

8) ई-टोल:- रस्ते वाहतूक आणि मंत्रालयाचा प्रमुख उपक्रम असलेल्या national electronic toll collection (N.E.T°C) कार्यक्रम देशव्यापी स्तरावर राबवण्यात येतो संपूर्ण देशभरात टोल नाक्यावर फास्ट-टॅग चा वापर करून वाहतुकीची कोंडी टाळण्यात येते त्याच बरोबर टोल वसुलीत पारदर्शकता ठेवली जाते ई-टोल मध्ये national payment corporation of India हे central clearing house आहे.

रेल्वे:-

देशात मालवाहतुक आणि प्रवाशांसाठी रेल्वे हे महत्वाचे साधन आहे. रेल्वे देशाच्या कानाकोपऱ्यात लोकांना एकत्र आणते . रेल्वेमुळे व्यवसाय,प्रेक्षणीय स्थळे पाहणे,तीर्थ यात्रा आणि शिक्षण घेणे शक्य होते. देशात 1853 मध्ये मुंबई ते ठाणे या 34 km मार्गावर भारतात पहिली रेल्वे धावली. पहिली रेल्वे ते आता पर्यन्त भारतीय रेल्वेचा विस्तार मोठ्या प्रमाणात झाला. सध्या भारतात 68043 km रेल्वे मार्गावर 7308 रेल्वे स्टेशन्स आहेत. भारतीय रेल्वेकडे 13215 लोकोमोटिव्ह, 74744 passenger service वाहने, 10103 इतर कोचिंग वाहने आणि 318896 वागन्सआहेत. गेल्या काही वर्षात रेल्वेचा खूप विकास झाला आहे. देशाच्या आर्थिक,सामाजिक आणि औद्योगिक विकासात रेल्वेने महत्वपूर्ण भूमिका बजावली आहे. 68043 km च्या रेल्वे जाळयात मीटर गेज, नारोगेज आणि ब्रोंड्गेजचा समावेश आहे. एकूण रेल्वेमार्गाच्या सुमारे 74.6 टक्के आणि धावणाऱ्या ट्रॅक km च्या 80.38 टक्के आणि

एकूण ट्रॅक km च्या 78.46 टक्के विद्युतीकरण झाले आहे. भारतातील सर्व रेल्वेसेवेची 16 रेल्वे विभागामध्ये विभागणी केली आहे.

रेल्वे विभाग आणी त्याची मुख्यालये पुढीलप्रमाणे:-

अ.क्र	रेल्वे विभाग	रेल्वे मुख्यालय
1	मध्य रेल्वे	मुंबई
2	पूर्व रेल्वे	कोलकत्ता
3	पूर्व किनारी रेल्वे	भुवनेश्वर
4	पूर्व मध्य रेल्वे	हाजीपूर
5	उत्तर रेल्वे	नवी दिल्ली
6	उत्तर मध्य रेल्वे	प्रयागराज
7	उत्तर पूर्व	गोरखपुर
8	उत्तर पूर्व सीमा रेल्वे	मालिगाव
9	उत्तर पश्चिम रेल्वे	जयपूर
10	दक्षिण रेल्वे	चेन्नई
11	दक्षिण मध्य रेल्वे	सिकंदरबाद
12	दक्षिण पूर्व रेल्वे	कोलकत्ता
13	दक्षिण-पूर्व-मध्य रेल्वे	बिलासपुर
14	दक्षिण पश्चिम रेल्वे	हुबळी
15	पश्चिम रेल्वे	मुंबई
16	पश्चिम-मध्य रेल्वे	जबलपुर

Ref: - www.indianrailways.gov.in

संशोधन आणि विकास:-

लखनौ येथील रिसर्च डिझाईन आणि स्टॅंडर्ड ऑर्गनाइझेशन (R. D. S. O)ही संस्था भारतीय रेल्वेची संशोधन आणि विकास संस्था आहे॰ तांत्रिक बाबीमध्ये सल्लागार म्हणून ही शाखा काम करते. रेल्वे उत्पादन आणि डिझाईन बाबत सल्ला देण्यात येतो कोविड प्रतिबंधात्मक उपाय म्हणून वातानुकूलित डब्यासाठी U॰V. C आधारित विषाणू विरोधी आणि रोग जंतु विरोधी प्रणाली विकसित केली आहे. R. D. S. O ने दुचाकी,चारचाकी,S. U. V वाहन आणि ट्रक,ट्रॅक्टर लोडिंग आणि आन्लोडिंग सहजपणे करता यावे तसेच जलद वाहतुकीसाठी डबे डिझाईन केले आहेत. या डब्याद्वारे 110 km वेगाने सुमारे 18 टन वजन वाहून नेता येते.

रेल्वेसाठी वित्तपुरवठा:-

भारत सरकारच्या अर्थ संकल्पाचा भाग असूनही 1924 पासून रेल्वे अर्थ संकल्प स्वतंत्र होता.रेल्वेच्या अनुदानाच्या 16 मागण्या होत्या या मागण्या संसद स्वतंत्र पणे विचारात घेवून मंजूरी देत असे.2017-18 पासून केंद्र सरकारने रेल्वे अर्थ संकल्प व केंद्रीय अर्थ संकल्प एकत्रित करण्याचा निर्णय घेतला.एकत्रित अर्थ संकल्पामुळे बहू वाहतूक व्यवस्था म्हणजेच महामार्ग,रेल्वे आणि जल मार्गाचे एकत्रित पणे नियोजन करता येते.

वंदे भारत एक्सप्रेस:-

2019 मध्ये भारतीय रेल्वेद्वारे चालवली जाणारी सेमी-हायस्पीड ,इलेक्ट्रिक मल्टीपल युनिट रेल्वेची निर्मिती संपूर्णपणे भारतात केल्याने त्याला वंदे भारत एक्सप्रेस असे नाव देण्यात आले.2019 मध्ये देशातील पहिली वंदे भारत रेल्वे ही नवी दिलली-कानपुर-प्रयागराज-वाराणसी या रेल्वे मार्गावर धावली.वंदे भारत 2 च शुभारंभ गांधीनगर ते मुंबई या रेल्वे मार्गावर झाला. सप्टेंबर 2023 पर्यन्त देशात एकूण 50 मार्गावर वंदे भारत धावत आहेत.

सागरी विकास:-

2009 मध्ये नौवहन,रस्ते वाहतूक आणि महामार्ग मंत्रालयाचे विभाजन करून स्वतंत्र नौवहन मंतरलायची स्थापना केली त्यामुळे जल वाहतुकीच्या विकासाला गती मिळाली. सागरी वाहतूक देशाच्या अर्थ व्यस्थेच्या दृष्टीने महत्वाची आहे॰ या मंत्रालयांतर्गत नौवहन आणि बंदर यांचा समावेश होतो यात जहाज बांधणी,दुरूस्ती,मुखी बंदरे आणि देशांतर्गत वाहतुकीचा समावेश होतो. परदेशी व्यापाराच्या वाढत्या गरजा पूर्ण करण्यासाठी प्रमुख बंदराची क्षमता आणि माल हाताळणीच्या बाबतीत मोठ्या प्रमाणात सुधारणा झाली आहे. भारताला 7517 km चा सागरी किनारा लाभला आहे.हा सागरी किनारा पश्चिम व पूर्व भागात तसेच बेटाच्या सभोवताली आहे. देशाच्या व्यापारासाठी हा महत्वपूर्ण नैसर्गिक मार्ग आहे.सध्या देशात 12 प्रमुख बंदरे आणि 205 बिगर प्रमुख बंदरे आहेत. भारताचा 95 टक्के व्यापार आणि एकूण व्यापाराच्या

मूल्यापैकी 68 टक्के व्यापार सागरी मार्गाने होतो. भारत सरकारने सागरी महामार्ग विकसित व सक्षम होण्यासाठी पुढील विविध प्रकल्प हाती घेतले आहेत.

1) सागरमाला प्रकल्प:- सरकारने किनार पट्टीचा उपयोग करून घेण्यासाठी 14500 km चे संभाव्य जल मार्ग आणि प्रमुख आंतरराष्ट्रीय सागरी व्यापार मार्गावर महत्वाच्या ठिकाणी सागरमला कार्यक्रम सुरू केला आहे याचा उद्देश कमीत कमी गुतवणूक करून आयात,निर्यात आणि देशांतर्गत वाहतूक खर्चात बचत करणे हा आहे या प्रकल्पांतर्गत देशांतर्गत मालवाहतुक खर्च कमी करणे,भविष्यातील औद्योगिक क्षमता ओळखून जड वस्तूंचा वाहतूक खर्च कमी करणे,बंदराजवळ उत्पादन क्लस्टर विकसित करून निर्यातीत स्पर्धा क्षमता वाढविणे त्याचप्रमाणे बंदर आधुनिकीकरण, नवीन बंदराचा विकास, बंदर कंनेक्टीविटी, किनारपट्टीवरील समुदायाचा विकास ही उद्दिष्ट्ये सागरमला प्रकल्पात आहेत.

2) मुख्य बंदरे:- आर्थिक विकास साधण्यासाठी सागरी वाहतूक आणि रस्ते वाहतुकीमध्ये बंदरे ही महत्वाचा दुवा म्हणून काम करते. भारताच्या 7517 km सागरी किनारपट्टीवर 12 प्रमुख व 205 लहान बंदरे आहे. त्यात कोलकत्ता, पारदीप, विशाखापट्टणम, कामराजद, चेन्नई, चिदंबार्नरही बंदरे पूर्व किनारपट्टीवर आहेत तर कोचीन, नवीन मंगळूर, मारमागोवा, मुंबई, न्हावा-शेवा, नवी मुंबई आणि दीनदयाल पूर्वीचा कांडला ही बंदरे पश्चिम किनारपट्टीवर आहेत. ही बंदरे केंद्र सरकारच्या नियंत्रणाखाली आहे.

3) देशांतर्गत जलवाहतुक:- भारतात 14500 km लांबीचे अंतर्गत जल वाहतुकीचे जाळे पसरलेले आहे. अंतर्गत जलवाहतुकीमुळे इंधनाची बचत होते, पऱ्यावरणाचे रक्षण होते त्याचबरोबर खर्च ही कमी येतो. तसेच जलवाहतुकीत कार्बन उत्सर्जनातही घट होते. एकूण मालवाहतुकी पैकी 2 टक्के वाहतूक अंतर्गत जल मार्गाने होते अंतर्गत जल वाहतुकीत वाढ करण्यासाठी भारतीय अंतर्गत जल वाहतूक प्राधिकरणाची स्थापना करण्यात आली. वाहतुकीचे पूरक साधन म्हणून देशांतर्गत जल वाहतुकीद्वारे काही जड माल वळवून रस्ते आणि रेल्वे वाहतुकीची कोंडी टाळण्यासाठी मदत होईल.देशांतर्गत जल वाहतुकीला प्रोत्साहन देण्यासाठी सरकारने राष्ट्रीय जल मार्ग कायदा 2016 अंतर्गत 24 राज्यामध्ये पसरलेले 111 जल मार्ग राष्ट्रीय जल मार्ग म्हणून घोषित केले. जागतिक बँकेच्या तांत्रिक आणि आर्थिक सहकार्याने जल मार्ग प्राधिकरनाद्वारे क्षमता वाढविण्यासाठी गंगा-भागीरथी-हुगळी नदी प्रणालीवर हल्दिया-वाराणसी या पट्ट्यात जलमार्ग विकास प्रकल्प राबवला जात आहे.

नागरी (हवाई) वाहतूक:-

देशाच्या सम्यक विकासासाठी हवाई वाहतूक ही एक महत्वाची पायाभूत सुविधा आहे. इतर क्षेत्राप्रमाणे हवाई वाहतुकीमुळे रोजगार निर्मिती बरोबरच अर्थव्यवस्थेचे चक्र गतीने फिरते. नागरी विमान वाहतुकीत हवाई वाहतूक,हवाई अंतराळ व्यवस्थापन,बिगर व्यवसायिक उड्डाण आणि नागरी विमान वाहतूक या पायाभूत सुविधांचा समावेश होतो. विमान कायदा 1934,1937, भारतीय विमान तळ प्राधिकरण कायदा 1994,हवाई वाहतूक कायदा 1972 आणि नागरी विमान वाहतूक क्षेत्राशी संबधित इतर कायद्याचे प्रशासन नागरी विमान वाहतूक मंत्रालय करते.हे मंत्रालय नागरी विमान वाहतूक क्षेत्राच्या विकाससाठी इतर देशासोबत करार आणि त्याची अमलबजावणी करते डिसेंबर 2023 पर्यन्त नागरी विमान वाहत्युक मंत्रालयाने 41 देशासोबत आंतरराष्ट्रीय हवाई वाहतुकि संदर्भात करार केले आहेत. हवाई वाहतुकी संदर्भात सुधारणेसाठी पुढील योजना हाती घेतल्या आहेत------

1) प्रादेशिक कंनेक्टिविटी योजना:- सामानी नागरिकांचे विमान प्रवासाचे स्वप्न साकार होण्यासाठी प्रादेशिक कंनेक्टिविटी योजनेचा समावेश 2016 च्या राष्ट्रीय विमान वाहतूक धोरणात करण्यात आला.प्रादेशिक मार्गावर विमान वाहतूक संचालन खर्चात घट यावी यासाठी केंद्र सरकार,राजी सरकार,केद्रशासित प्रदेश आणि विमान संचालकाद्वारे सवल्तीचया उपाय योजना प्रदान करणे हा यामागचा प्रमुख उद्देश आहे.2017 मध्ये सिमला ते दिल्ली या मार्गावर पहिली उड्डाण सेवा सुरू करण्यात आली उड्डाण सेवा सुरू झाल्यानंतर 1300 हवाई मार्ग विविध कंपण्यांना विमान सेवा सुरू करण्यासाठी देण्यात आले.10 oct 2023 पर्यन्त 75 सेवा नसलेल्या आणि कमी सेवा असलेल्या विमान तळांना जोडणारे 495 मार्ग देण्यात आले आहेत. यात 9 हेलिपोर्ट आणि 2 पाण्यावरील विमान तळांचा समावेश आहे.

2) भारतीय विमान तळ प्राधिकरण:- आंतरराष्ट्रीय आणि राष्ट्रीय विमान तळ प्राधिकरण यांचे विलींनीकरण केल्यानंतर भारतीय विमान तळ प्राधिकरण कायदा 1994 अंतर्गत भारतीय विमान तळ प्राधिकरणाची वैधानिकरित्या स्थापना करण्यात आली.या प्राधिकरणावर सर्व विमान तळाचे व्यवस्थापन करण्याची मुख्य जबाबदारी देण्यात आली.भारतीय हवाई क्षेत्राचे नियंत्रण आणि व्यवस्थापन या प्राधिकरणकडे देण्यात आले. भारतीय हवाई क्षेत्र अंदाजे 28 लाख चौरस सागरी मैलाचे आहे.

3) विमान तळ आर्थिक नियामक प्राधिकरण:- ही 2008 ची विमान तळ आर्थिक नियामक प्राधिकरण कायद्यांतर्गत स्थापना केलेली एक वैधानिक संस्था आहे. विमान प्रवासाचे भाडे आणि इतर शुल्कचे नियमन करण्याची आणि विमान तळाच्या कामगिरीच्या मानकवर देखरेख ठेवण्याची जबाबदारी या प्राधिकरणकडे देण्यात आली. सर्व प्रमुख विमान तळामध्ये निरोगी स्पर्धेला चालना देण्यासाठी संधि निर्माण करणे हे या प्राधिकरणाचे उद्दीष्ट आहे. विमान तळ वरील विविध सुविधांसाठी गुंतवणुकीला प्रोत्साहन देणे तसेच विमान सेवेचे शुल्क नियंत्रित करणे, वैमानिक सेवांसाठी दर निश्चित करणे,सेवेची गुणवत्ता,विमान सेवेचे

सातत्य आणि विश्वासार्हतेशी संबधित निर्धारित कामगिरीचे निरीक्षण करणे हे मुख्य कार्य आहे.

4) आंतरराष्ट्रीय विमान सेवा:- भारतातून सध्या 116 देशांमश्ये आंतरराष्ट्रीय सेवा सुरू आहे. भारतातून सध्या 52 देशामध्ये थेट विमान सेवा सुरू आहे तर अप्रत्यक्ष पद्धतीने सुमारे 100 देशामध्ये आंतरराष्ट्रीय सेवा सुरू आहे 2016 च्या नागरी विमानसेवा धोरणानुसार दिल्ली,मुंबई,कोलकत्ता,चेन्नई,हैदराबाद आणि बंगळुरू या 6 महानगरी विमान तळा वरुण खुल आकाश कररांतर्गत अमर्याद विमानच उड्डाण / उतरवली जाऊ शकतात. 2023 च्या oct पर्यन्त भारतात 24 देशांना आपल आकाश खुल केल आहे. आंतरराष्ट्रीय विमान सेवा सुरू करण्यासाठी परदेशी विमान कंपन्यासोबत हवाई सेवा करार केला जातो. भारतानेही रशिया बरोबर एका करारावर स्वाक्षऱ्या केल्या आहेत या करारांतर्गत रशियन वाहकांसाठी मार्गनिहाय निर्बंध हटवण्यात आले.

5) सुखकारक प्रवासासाठी बायोमाट्रिक पद्धत:- प्रवाशांना विमान तळावर विविध ठिकाणी तिकिटे आणि ओळख पत्र दाखविण्याची गरज न भासता विना अडथळा,सुलभ प्रवासाचा अनुभव मिळवा यासाठी या विभागणे डिजी यात्रा योजना सुरू केली आहे डिजी यात्रा योजनेत चेहरा ओळखण्यासाठी फेस रिकाग्निशन तंत्रज्ञानाचा अवलंब केल्याने विमान तळावर येतांना प्रवाशाचा कोणासोबतही संपर्क होत नाही. प्रवाशांच्या स्मार्ट फोन मध्ये प्रवाशाचे ओळख पत्र,तिकीट हे वैयक्तिक वोल्लेट मध्ये साठवले जाते. वापरानंतर 24 तासाच्या आत डेटा डिलिट केला जातो.ही सेवा सध्या देशांतर्गत ऐच्छिक पातळीवर सुरू केली आहे oct 2023 पर्यन्त दिल्ली, बंगळुरू, वाराणसी, हैदराबाद, पुणे, कोलकत्ता, विजयवाडा, मुंबई, लखनौ, अहमदाबाद, जयपूर, कोची आणि गुवाहाटी या विमान तळावर कार्यान्वित आहे.

6) GPS प्रणीत GO युक्त दिशादर्शक प्रणाली(गगन):- भारतीय विमान तळ प्राधिकरण आणि भारतीय अंतराळ सशोधन संस्था यांनी सयुक्तरित्या GPS चा वापर करून GO युक्त दिशादर्शक प्रणाली विकसित केली आहे. GPS संकेतची अचूकता आणि विश्वासारहत: सुधारून नागरी विमान वाहतुकीत अचूकता साधणारी ही प्रणाली 2015 पासून पूर्ण क्षमतेने सुरू केली आहे ही सेवा 24 तास सुरु राहते.

7) कृषि उड्डाण योजना 2.0 :-

कृषि उड्डान योजना 2.0 ची घोषणा 2021 रोजी करण्यात आली.प्रामुख्याने ईशान्य प्रदेश,डोंगराळ, आदिवासी प्रदेश,बेटे आणि इतर निवडक क्षेत्रावर लक्ष केन्द्रित करून,निवडक विमान तळावर भारतीय मालवाहू आणि प्रवाशांसाठी माल वाहतूक करण्यासाठी लॅंडींग,पार्किंग,शुल्क आणि रूट नेव्हीगेशन सुविधा शुल्क पुर्णपणे माफ करून हवाई वाहतुकीद्वारे माल वाहतूक सुलभ करण्यासाठी आणि प्रोत्साहन देण्यासाठी 2021 मध्ये कृषि उड्डाण 2.0 योजना सुरू करण्यात आली. प्रामुख्याने डोंगराळ भाग,ईशान्यकडील राज्ये आणि आदिवासी भागातील नाशवंत अन्न उत्पादनाची वाहतूक करण्यावर या योजनेचा मुख्य भर आहे या योजनेत देशातील 58 विमान तळांचा समावेश आहे यापैकी 25 विमान तळे ईशान्ये कडील,डोंगराळ आणि आदिवासी प्रदेश तसेच बेटे आणि इतर प्रदेशातील 33 विमान तळांचा समावेश आहे.

8) सुगम्य भारत अभियान:- सुगम्य भारत अभियानात दिव्यांग व्यक्तीचे हक्क कायदा,2016 च्या अनुषंगाने हवाई प्रवासामध्ये सुलभता आणि सर्वमावेशकतेला चालना देण्याच्या दृष्टीने हे एक महत्वपूर्ण पाऊल आहे दिव्यांग व्यक्ति,वृद्ध,लहान मुले,गर्भवती माता आणि इतर नागरिकांना हवाई प्रवास सुलभ करून देण्यासाठी प्रयत्न करण्यात आले आहेत. या उपक्रमामुळे सर्व प्रवाशांचे हक्क आणि प्रतिष्ठा राखून हवाई प्रवास सुखकारक आणि सुविधायुक्त होतो.

सारांश:-

देशाचा सर्वांगीण विकास होण्याच्या दृष्टीने भारत पायाभूत संरचनेच्या बाबतीत आमुलाग्र बदल करत आहे. भारत एक विकसित देश होण्याच्या उंबरठ्यावर आहे. सध्या GDP च्या बाबतीत भारताचा जगत 3 रा क्रमांक लागतो. लवकरच आपण प्रथम क्रमांकाकडे वाटचाल करत आहोत त्यासाठी देशातील वाहतूक व दळणवळण प्रणाली अत्याधुनिक करण्याकडे देशाचा कल आहे त्यादृष्टीने वाटचाल सुरू आहे त्यासाठी विविध प्रकल्प हाती घेतले जात आहेत.शहरामधली वाहतूक कोंडी कमी करण्यासाठी आणि दळणवळणाची कार्यक्षमता सुधारण्यासाठी रिंग रोड /बायपास आणि एलिवेटेड कोरिडोर विकसित करण्याचा प्रयत्न केला जात आहे. राष्ट्रीय हरित महामार्ग प्रकल्पात राजस्थान, हिमाचल प्रदेश, उत्तर प्रदेश आणि आंध्र प्रदेश मधून जाणारे सुमारे 781 km लांबीचे विविध राष्ट्रीय महामार्ग अद्ययावत करण्यात येत आहेत.

रेल्वे सेवा, विमान व जल वाहतूक अधिक सुरक्षित, किफायतशीर, कमी कलावधीत आणि आरामदायि करण्यावर भर दिला जात आहे. देशात विकसित केली जाणारी RRTS एक अत्याधुनिक प्रादेशिक गतीशीलता सुविधा आहे आणि तुलनात्मक दृष्ट्या जगात सर्वोत्तम आहे यामुळे देशात सुरक्षित, विश्वासार्ह आणि आधुनिक इंटरसिटी प्रवास सुविधा उपलब्ध होतील. पीएम गतीशक्ती राष्ट्रीय बृहत आराखड्याच्या अनुषंगाने RRTS नेटवर्क मध्ये रेल्वे स्थानके, मेट्रो स्थानके, बस सेवा ई. सह व्यापक मल्टी-मोडल एकात्मिकता असेल अशा परिवर्तनकारी प्रादेशिक गतीशीलता उपायामुळे या भागातील आर्थिक क्रियाकल्पांना चालना मिळेल. रोजगार, शिक्षण आणि आरोग्य सेवेच्या संधि अधिक सुलभपणे उपलब्ध होतील आणि वाहनाची

कोंडी आणि वायु प्रदूषणात लक्षणीय घट होण्यास मदत होईल आणि अर्थव्यवस्था महासत्ता बनण्यास मदत होईल.

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मानवधिकार और भारतीय आपराधिक न्याय प्रणाली के प्रावधानों का समेकन

डॉ. महेंद्र कुमार पटेल

सहायक प्राध्यापक विधि, शासकीय स्नातकोत्तर महाविद्यालय बीना जिला सागर मध्यप्रदेश

Corresponding Author- डॉ. महेंद्र कुमार पटेल

ईमेल - mahendrapatel.mp14@gmail.com

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सारांश –

मानवाधिकार और भारतीय आपराधिक प्रणाली के अंतर्गत विभिन्न विधियों में उल्लेखित प्रावधानों में क्रमशः अंतरराष्ट्रीय प्रसंविदा सिविल और राजनीतिक अधिकार, दंड प्रक्रिया संहिता में की धाराओं में निहित अधिकारों का, भारतीय साक्ष्य अधिनियम के प्रावधानों का तथा भारतीय संविधान के अंतर्गत विभिन्न अनुच्छेदों का उल्लेख इस शोध पत्र में किया गया है। इन विधियों की भूमिका उसको लागू करने वाली प्रशासनिक मशीनरी को आगे बढ़ान, मानवाधिकारों के संरक्षण तथा संस्थानों के मानवाधिकारों के संरक्षण के लिए न्यूनतम तथा अधिकतम मानकों का वर्णन किया गया है।

शब्द कुंजी - मानवाधिकार, न्याय प्रणाली, विधि, अंतरराष्ट्रीय प्रसंविदा, संविधान

प्रस्तावना –

आपराधिक न्याय प्रणाली सामाजिक नियंत्रण का साधन है। मानव सभ्यता की विकासात्मक यात्रा के साथ व्यक्तियों के कार्यकलापों में भी उल्लेखनीय वृद्धि हुई है, जिसे गुणात्मक वृद्धि तो अवश्य ही नहीं कहा जा सकता, मानवीय आचरण को नियंत्रित करने के लिए ही विधि को साधन निरूपित किया गया है, इस शोध पत्र के माध्यम से मानव अधिकारों को आपराधिक न्याय प्रणाली के कौन-कौन से प्रावधान प्रभावित करते हैं उनका उल्लेख कर समेकन किया गया है।

शोध पद्धति –

इस शोध पत्र में सैद्धांतिक शोध पद्धति अपनाकर विभिन्न पाठ्य-पुस्तकों में वर्णित सामग्री को शामिल किया गया है तथा उच्चतम न्यायालय और अंतरराष्ट्रीय प्रसंविदाओं में उल्लेखित सिद्धांतों को अध्ययन का आधार बनाया है। भारत में विद्यमान मानवाधिकार विधिक प्रणाली आपराधिक न्याय प्रणाली में विद्यमान मानवाधिकार तथा व्यक्तियों के मानवाधिकारों को प्रोत्साहन देने वाले प्रावधानों का भी अध्ययन किया गया है।

मानवाधिकार –

मानव अधिकार वे नैतिक सिद्धांत है जो मानव व्यवहार से संबंधित कुछ सुनिश्चित मानक तय करते हैं यह मानव अधिकार स्थानीय तथा अंतरराष्ट्रीय विधियों द्वारा विनियमित रहते हैं। मानव अधिकार संरक्षण अधिनियम,1993 की धारा 2 के अनुसार संविधान के अंतर्गत प्रत्याभूत अथवा अंतरराष्ट्रीय प्रसंविदा में समाविष्ट तथा भारत में न्यायालय द्वारा प्रवर्तनीय जीवन,स्वतंत्रता, समानता तथा व्यक्ति की गरिमा से संबंधित अधिकार मानव अधिकार कहलाते हैं।

आपराधिक न्याय प्रणाली –

अपराधिक दंड न्याय प्रणाली का मुख्यतः समाज में अपराधों से बचाव और नियंत्रण तथा रास्ता भटके हुए व्यक्ति के सुधार के प्रयोजन से दांडिक न्याय की व्यवस्था करनी है। शक्ति के विभाजन के सिद्धांत के अंतर्गत वर्तमान दांडिक न्याय प्रणाली के चार भाग हैं -

1. विधायिका
2. कार्यपालिका
3. न्यायपालिका
4. दोष सुधारक प्रशासन

मानव अधिकार के बढ़ते महत्व के प्रकाश में ऐसी दांडिक न्याय प्रणाली, अभियुक्त, पीड़ितों, और कैदियों के मानव अधिकारों की सुरक्षा को सुनिश्चित करने के लिए पर्याप्त सुरक्षा प्रदान करने हेतु आवश्यक है।

भारत में आपराधिक न्याय प्रणालीः

आधारभूत सिद्धांत –

भारतीय संविधान मानव अधिकारों के क्षेत्र में अंतरराष्ट्रीय प्रयासों के अनुरूप देश में दंड न्याय प्रणाली के संरक्षण हेतु चार बुनियादी सिद्धांत प्रदान करता है -

1. निर्दोषिता की उपधारणा - जैसा कि अंतरराष्ट्रीय प्रसंविदा सिविल और राजनीतिक अधिकार का अनुच्छेद 14 (2) में वर्णित है इस सिद्धांत के अनुसार किसी व्यक्ति को तब तक निर्दोष माना जाएगा जब तक की उसके विरुद्ध आरोप साबित नहीं हो जाते हैं। उच्चतम न्यायालय द्वारा न्यायिक निर्वचन के अनुरूप संविधान के अनुच्छेद 21 में इसका वर्णन है।

2. अपराध विधि के कार्योत्तर संचालन का निवारण - दूसरा सिद्धांत यह है कि किसी भी व्यक्ति को ऐसे कार्य हेतु अभियुक्त बनाकर दोसर ओपन नहीं किया जा सकता जो किए गए कार्य की तिथि को लागू कानून के अंतर्गत अपराध

नहीं था कानून के कार्य उत्तर संचालन के विरुद्ध यह प्रत्याभूति संविधान के अनुच्छेद 20 (1) में प्रदान की गई है और मानव अधिकारों की सार्वभौमिक घोषणा के अनुच्छेद 11 में इसी प्रावधान का उल्लेख है।

3. दोहरे दंड से संरक्षा - इसका अर्थ है किसी भी व्यक्ति को एक ही अपराध के लिए एक बार से अधिक दंडित और अभियोजित नहीं किया जाएगा।यह प्रावधान भारतीय संविधान में अनुच्छेद 20(2) में वर्णित है तथा इस प्रकार का प्रावधान दंड प्रक्रिया संहिता, 1973 की धारा 300 में प्रावधानित है।

4. उचित कार्यविधि की संकल्पना - किसी भी व्यक्ति को संविधान के अनुच्छेद 21 में प्रतिस्थापित कानून जिसका क्षेत्र उच्चतम न्यायालय की न्यायिक निर्वचन द्वारा विस्तृत किया गया है द्वारा स्थापित कार्यविधि को छोड़कर उसके जीवन और स्वतंत्रता से वंचित नहीं किया जाएगा यह न केवल कार्यपालिका की कार्यवाही के विरुद्ध बल्कि विधान के विरुद्ध भी सुरक्षा देता है यह सिद्धांत अंतर्राष्ट्रीय प्रसंविदा सिविल और राजनीतिक अधिकार के अनुच्छेद 9 में भी निहित है।

अभियुक्त, पीड़ित और कैदी के मानवाधिकार -

1. अभियुक्त के मानवाधिकार - अपराध विषयक न्यायिक प्रशासन में प्रतिबंधक और अवपीड़क अधिकार द्वारा पुलिस ट्रायल से पूर्व गिरफ्तारियां पूछताछ, तलाशी और जब्ती करती है और लोगों के अधिकारों में बाधक हैं, व्यक्ति की स्वतंत्रता को प्रभावित करती है और जब मनमाने ढंग से की जाती है तो व्यक्ति की गरिमा को ठेस पहुंचाती है।

मनमाने। तरीके की कार्यवाही के निवारणार्थ अग्रलिखित सुरक्षा प्रदान की गई है -

1. अनचाही गिरफ्तारी से मुक्ति का अधिकार
2.उचित अन्वेषण, पूछताछ, तलाशी, जब्ती आदि का अधिकार
3. विधिक प्रतिवाद का अधिकार
4. उचित जांच पूर्व नजरबंदी का अधिकार और
5. जनता के समक्ष शीघ्र जांच का अधिकार

1.अनचाही गिरफ्तारी से मुक्ति का अधिकार:

व्यक्ति स्वतंत्रता का अधिकार एक बुनियादी मानव अधिकार है किसी गिरफ्तारी के निर्णय का गंभीर आशय है कि कम गंभीरता से नहीं लिया जा सकता भारतीय संविधान का अनुच्छेद 21 और विभिन्न अंतरराष्ट्रीय दस्तावेज इस अधिकार पर जोर डालते हैं कि भारत में गिरफ्तारियां वारंट के साथ या उसके बिना की जा सकती है पहली स्थिति में एक न्यायिक अधिकारी द्वारा बुद्धि का प्रयोग किया गया है और पश्चात की स्थिति में व्यक्ति को अवश्य ही तुरंत न्यायिक अधिकारी के सामने पेश किया जाना चाहिए जैसा कि संविधान के अनुच्छेद 22(2) में निहित है निम्नलिखित प्रावधान पर भी दृष्टिपात करना आवश्यक है -

क. गिरफ्तारी के आधार की सूचना दिया जाना - संविधान के अनुच्छेद 22 (2) में निहित है कि गिरफ्तार व्यक्ति को उसकी गिरफ्तारी के कारण की सूचना दी जाएगी और उसे अपनी पसंद के कानूनी सलाहकार से परामर्श लेने और उसके द्वारा बचाव का किये जाने का अधिकार होगा । दंड प्रक्रिया संहिता की धाराएं 46, 50,55,55क और धारा 75 वारंट के सार की सूचना पाने का अधिकार और धारा 303 अपनी पसंद के अधिवक्ता से परामर्श करने का अधिकार प्रदान करती है।

ख. न्यायिक मजिस्ट्रेट के समक्ष पेश किए जाने का अधिकार - कोई भी व्यक्ति को घंटे से अधिक पुलिस हिरासत में नहीं रखा जाएगा। गिरफ्तारी के बाद यात्रा का समय निकालकर 24 घंटे के भीतर किसी निकटतम मजिस्ट्रेट के समय प्रस्तुत करना आवश्यक है । अन्यथा गिरफ्तारी अवैध हो जाएगी इसका उद्देश्य बंदी व्यक्ति को शीघ्रातिशीघ्र अपनी रिहाई प्राप्त करने का अवसर प्रदान करना है, यदि गिरफ्तारी प्रारंभ से ही अवैध है तो उसे कर दिया जाएगा। इसी प्रकार का प्रावधान दंड प्रक्रिया संहिता में धारा 56,57 तथा 76 में निहित है।

ग.जमानत का अधिकार - जमानत के प्रावधान का उद्देश्य न्यायालय द्वारा व्यक्ति के दोष के न्यायनिर्णयन के लंबित रहते हुए उसकी व्यक्तिगत स्वतंत्रता को बहाल करना होता है यह निर्दोष को निर्दोषिता की उपधारणा देकर सुरक्षा प्रदान करता है उच्चतम न्यायालय ने संविधान के अनुच्छेद 21 के अंतर्गत अपने विभिन्न न्यायिक निर्णयों में व्यक्तिगत स्वतंत्रता के भाग के रूप में मान्यता प्रदान करता है।दंड प्रक्रिया संहिता की धाराएं 436, 437, 439, 50(2) और 167 भी गिरफ्तार किए जाने पर जमानत का अधिकार प्रदान करती है।

घ. दंड प्रक्रिया संहिता की धारा 55क के अनुसार अभियुक्त की अभिरक्षा रखने वाले व्यक्ति का यह कर्तव्य होगा कि अभियुक्त के स्वास्थ्य तथा सुरक्षा की युक्तियुक्त देख-रेख करें ।

2. उचित अन्वेषण, पूछताछ, तलाशी जब्ती आदि का अधिकार

क. प्रथम सूचना रिपोर्ट - दंड प्रक्रिया संहिता के अंतर्गत निर्धारित विस्तृत विधिक अपेक्षाएं सूचना देने वाले व्यक्ति को प्रथम सूचना रिपोर्ट की प्रति की आपूर्ति के प्रावधान सहित, यह सुनिश्चित करती है कि व्यक्ति के अधिकार की सुरक्षा हो।प्रथम सूचना रिपोर्ट जारी होने के समय से ही पुलिस की गतिविधियां न्यायिक छानबीन के अधीन होती है

और अन्वेषण की दिशा में आगे की सभी कार्यवाहियां निर्धारित विधिक प्रक्रियाओं के अनुसार होनी चाहिए।

ख. चुप रहने का अधिकार - संविधान के अनुच्छेद 20 (3) के अनुसार किसी भी अभियुक्त को स्वयं अपने विरूद्ध साक्ष्य देने के लिए बाध्य नहीं किया जाएगा। यह प्रावधान अंतरराष्ट्रीय प्रसंविदा सिविल और राजनीतिक अधिकार के अनुच्छेद 14(9) में भी निहित है, इसमें भी अभियुक्त को आत्म अभिसंशन से सुरक्षा प्रदान किया गया है।

ग. तलाशी और जब्ती से सुरक्षा का अधिकार - बलपूर्वक तलाशी स्वतंत्रता पूर्वक जीवन जीने के अधिकार के सिद्धांत का अतिक्रमण करती है। इसलिए विधि में तलाशी और जब्ती के संबंध में पालन किए जाने वाली प्रक्रियाओं में संरक्षण प्रदान किया गया है वह ऐसी तलाशी का निषेध करता है जिनमें विधिक प्रक्रिया का पालन नहीं किया जाता है परंतु तलाशियां और जब्तियां विधि और विधिक प्रक्रिया के अनुसार होनी चाहिए। दंड प्रक्रिया संहिता की धाराएं 93, 94,97,100 और धारा 165 मनमानी और गैरकानूनी तलाशियों से सुरक्षा प्रदान करती हैं।

3. विधिक प्रतिवाद का अधिकार –

इसके अंतर्गत दंड प्रक्रिया संहिता की धारा 303 पसंद के अधिवक्ता से प्रतिरक्षा कराने का अधिकार अभियुक्त को प्रदान करती है। संविधान का अनुच्छेद 22(1) भी ऐसा ही अधिकार प्रत्याभूत करता है।

4. युक्तीयुक्त ढंग से जांच पूर्व नजर बंदी का अधिकार –

किसी कारण वश अन्वेषण या जांच के लंबित रहते हुए जब अभियुक्त अभिरक्षा में हो तो माननीय गरिमा प्रदान की जानी चाहिए। उच्चतम न्यायालय ने अपने विभिन्न न्यायिक निर्णयों में महत्वपूर्ण दिशा निर्देश जारी किए गए हैं कि जांच पूर्व निरोधित अभियुक्त सुविधाओं, चिकित्सा और स्वास्थ्य तथा अच्छे व्यवहार किए जाने के आकांक्षी है ताकि उसकी मानवीयता का स्तर और गरिमा का अतिक्रमण ना हो।

5. जनता के समक्ष और जल्दी जांच का अधिकार –

जनता के समग्र जांच का अधिकार संविधान के अनुच्छेद 14 19 और 21 में तथा दंड प्रक्रिया संहिता में निहित है यद्यपि भारतीय संविधान में विशिष्ट प्रावधान नहीं है किंतु उच्चतम न्यायालय ने अपने विभिन्न न्यायिक निर्णयों में अनुच्छेद 21 के निर्वचन में अभियुक्त के शीघ्रातिशीघ्र विचारण में अनेक अधिकार प्रदान किया है कि शीघ्रता विचारण अनुच्छेद 21 के अंतर्गत मूल अधिकार है। दंड प्रक्रिया संहिता में भी शीघ्र जांच एवं विचारण के सुनिश्चित करने हेतु कई प्रावधान है -

दंड प्रक्रिया संहिता की धारा 49 के अनुसार गिरफ्तार किए गए को उससे अधिक अवरूद्ध नहीं किया जाएगा जितना उसको निकल भागने से रोकने के लिए आवश्यक है, धारा 46 के अनुसार गिरफ्तारी करने में पुलिस अधिकारी या अन्य व्यक्ति जो गिरफ्तारी कर रहा है गिरफ्तार किए जाने वाले व्यक्ति के शरीर को वस्तुतः छूएगा या परिरूद्ध करेगा जब तक उसने अपने वचन या कर्म द्वारा अपने को अभिरक्षा में समर्पित न कर दिया हो, इसी तरह यदि यदि स्त्री को गिरफ्तार किया जाना है तो जब तक परिस्थितियों विपरीत संकेत न दे गिरफ्तारी की मौखिक सूचना पर उसके समर्पण की उपधारणा की जाएगी तथा जब तक परिस्थितियां अन्यथा अपेक्षा ना करें जब तक पुलिस अधिकारी महिला ना हो तब तक उसको गिरफ्तार करने लिए पुलिस अधिकारी स्त्री के शरीर का स्पर्श नहीं करेगा,धारा 173(7), 207, 208, और 238 में साक्षियों के प्रतिवेदनों और दस्तावेजों जिस पर अभियोजन निर्भर है कि प्रतियां पाने का अधिकार,

साक्ष्य अधिनियम की धारा 101 - 104 में जब तक दोष संदेह से परे प्रमाणित ना हो निर्दोष मानें जाने की संरक्षण प्राप्त करने का अधिकार। दंड प्रक्रिया संहिता की धारा 273 एवं 317 के अनुसार कुछ विशेष परिस्थितियों को छोड़कर अपनी उपस्थिति में साक्ष्य को अभिलिखित करने देने कि अधिकार, दंड प्रक्रिया संहिता की धारा 218, 228 (2), 240(2) के अनुसार आरोपों का विधिवत् सूचना रखने का अधिकार, साक्ष्य अधिनियम की धारा 138 के अनुसार साक्षियों की विश्वसनीयता परखने का अधिकार, दंड प्रक्रिया संहिता की धारा 313 के अनुसार जांच या विचारण में अपने विरूद्ध साक्ष्य में प्रकट होने वाली किन्हीं परिस्थितियों का स्वयं स्पष्टीकरण करने का अधिकार, चिकित्सा जांच कराने का अधिकार, धारा 479, 327 और 191 के अनुसार एक स्वतंत्र और निष्पक्ष न्यायाधीश द्वारा जांच का किए जाने का अधिकार, धारा 243 के अनुसार बचाव साक्षियों को प्रस्तुत करने का अधिकार, आवेदन पर दंड प्रक्रिया संहिता की धारा 314 के अनुसार मौखिक बहस और बहस का ज्ञापन देने का अधिकार, धारा 235 एवं 248 के अनुसार दोषसिद्धि पश्चात दंडादेश के प्रश्न पर सूने जाने का अधिकार, धारा 351,374,379,380,और संविधान के अनुच्छेद 132,134 तथा 136 के अंतर्गत दोषी ठहराए जाने पर अपील का अधिकार, धारा 389 के अनुसार अपील लंबित रहने जमानत पाने का अधिकार, कारावास का दंड दिए जाने पर धारा 363 के अनुसार निर्णय की प्रति निशुल्क दिए जाने का अधिकार आदि ।

कैदियों के मानवाधिकार –

कालकोठरी की सजा, हथकड़ी - बेड़ी और प्रताड़ना से संरक्षा, मित्रों संबंधियों और अधिवक्ता से मिलने का अधिकार, जमानत का अधिकार, शीघ्र विचारण का

अधिकार, विधिक सहायता प्राप्त करने का अधिकार, प्रतिकर प्राप्त करने का अधिकार, कैद में रहने के दौरान उचित पारिश्रमिक प्राप्त करने का अधिकार आदि।

निष्कर्षतः यह कहा जा सकता है कि भारत में सक्रिय न्याय प्रणाली के द्वारा न्यायदान करने में व्यक्तियों के मानवाधिकारों को सुरक्षा प्रदान करने और उन्हें प्रोन्नत करने के प्रति सकारात्मक और सृजनात्मक भूमिका निभाई है। फिर भी सक्षम और कार्यकारी और सजग विधान के लिए न्याय प्रणाली एक निश्चित सीमा तक ही कार्य कर सकतु है। वह उसको प्रतिस्थापित नहीं कर सकती कभी वाले क्षेत्रों में कार्यपालिका और विधायिका को र

और अधिक सुदृढ़ बनाकर ही भारत में मानवाधिकारों को यथार्थ के धरातल पर बुनियादी रूप देने में अधिक सहायता मिल सकेगी।

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अनुसूचित जातीच्या लोकसंख्येचे भौगोलिक वितरण - गोंदिया जिल्हा

अश्विन सुरेश खांडेकर

सहाय्यक प्राध्यापक, मनोहरभाई पटेल कला व वाणिज्य महाविद्यालय सालेकसा जि. गोंदिया

Corresponding Author- अश्विन सुरेश खांडेकर

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प्रस्तावना :-

कोणत्याही प्रदेशाच्या विकासात लोकसंख्येची भूमिका महत्वपूर्ण असते.कार्यतत्पर लोकसंख्येला यात अगत्याचे स्थान आहे.भारत लोकशाही व धर्मनिरपेक्ष राष्ट्र असल्यामुळे अनेक जाती, धर्म, पंथाचे लोक व समूह या देशात वास्तवात आहेत.दुर्बल घटकामध्ये अनुसूचित जातीच्या लोकसंख्येचा अभ्यास केला जातो. गोंदिया जिल्हा हा आदिवासी बहुल असला तरी अनुसूचित जातीच्या लोकसंख्येचे प्रमाण यात कमी अधिक स्वरुपात दिसून येते. मागासलेपणा, दारिद्र्य, राहणीमानाचा खालावलेला दर्जा, अशा अनेक कारणांचा प्रभाव या जातीच्या लोकसंख्येवर पडत असून जिल्ह्याच्या एकूण लोकसंख्येत या जातीमुळे भर पडतांना दिसते.भारतीय राज्यघटनेने दिलेल्या मुलभूत अधिकारांच्या आधारे व शासनाच्या अनेक कल्याणकारी योजनांच्या मदतीद्वारे अनुसूचित जातीची लोकसंख्या वाढताना दिसून येते.

शिक्षणाचा प्रसार व प्रचार यामुळे आर्थिक स्थितीत झालेली सुधारणा जिल्ह्याच्या कार्यक्षम लोकसंख्येत उपयोगाची आहे. वर्ष २०११ मध्ये गोंदिया जिल्हयातील एकूण लोकसंख्येत अनुसूचित जातीच्या लोकसंख्येचे प्रमाण अधिक पहावयास मिळते. जिल्ह्याच्या एकूण लोकसंख्येत असणारी अनुसूचित जातीची लोकसंख्या १३.३ टक्के इतकी आहे.तालुकानिहाय हे प्रमाण मात्र बदलतांना दिसते. निश्चितच भौगोलिक क्षेत्र आणि उद्योग धंद्याच्या विकासाचा प्रभाव यास कारणीभूत आहे.प्रस्तुत शोधनिबंधात गोंदिया जिल्हयातील अनुसूचित जातीच्या लोकसंख्येचे एकूण लोकसंख्येत असणारे तालुकानिहाय प्रमाण अभ्यासाने हा आहे.

अभ्यासक्षेत्र :-

१ मे १९९९ ला भंडारा जिल्ह्यापासून विभाजन होवून गोंदिया जिल्ह्याची निर्मिती झाली आहे. महाराष्ट्राच्या अतिपूर्वेकडील आदिवासीबहुल जिल्हा म्हणून विदर्भात व देशात या जिल्ह्याची ओळख आहे. मुंबई ते कोलकाता या रेल्वे मार्गावर गोंदिया शहर स्थित असून उपराजधानीच्या ठिकाणापासून १७० किलोमीटर अंतरावर आहे.भौगोलिक दृष्टया देशाच्या मध्यभागात हा जिल्हा असल्याने अधिकच महत्व वाढल्याचे दिसते. गोंदिया जिल्हयाचा अक्षवृत्तीय विस्तार २० अंश ३९ मिनिट उत्तर ते २१ अंश ३८ मिनिट उत्तर अक्षांश व रेखावृत्तीय विस्तार ७९ अंश २७ मिनिट पूर्व ते ८० अंश ४२ मिनिट पूर्व रेखांश दरम्यान पसरलेला आहे.तलावांचा जिल्हा म्हणून ओळख असलेल्या प्रदेशात धान या पिकाचे उत्पादन सर्वात जास्त प्रमाणात घेतले जाते. अभ्यासक्षेत्राचे एकूण भौगोलिक क्षेत्रफळ ५२३४ चौरस किलोमीटर असून महाराष्ट्र राज्याच्या एकूण क्षेत्रफळाच्या १.७ टक्के इतके आहे.

आद्यकवी मुकुंदराज, चक्रधर स्वामी यांचे स्पर्श झालेल्या जिल्ह्यात महाकवी भवभूती यांचे जन्मस्थळ आहे.निसर्गाने बहरलेल्या जिल्ह्यात एकूण आठ तालुक्यांचा समावेश होतो. तिरोडा,गोरेगाव,गोंदिया, आमगाव, सालेकसा, सडक अर्जुनी, अर्जुनी मोरगाव व देवरी हि तालुके आढळतात. जिल्ह्याच्या पूर्वेला राजनांदगाव छत्तीसगड, पश्चिमेला भंडारा जिल्हा, उत्तरेला बालाघाट मध्यप्रदेश व दक्षिणेला गडचिरोली जिल्ह्याच्या सीमा लागलेल्या आहेत. २०११ नुसार जिल्ह्याची एकूण लोकसंख्या १३२२५०७ असून ६६१५५५४ पुरुष व ६६०९५३ स्त्रिया आहेत.

उद्देश :-

प्रस्तुत शोधनिबंधात खालील उद्देश सांगितले आहेत.

१. गोंदिया जिल्हयातील अनुसूचित जातीच्या लोकसंख्येचा अभ्यास करणे.
२. तालुकानिहाय लोकसंख्येचा अभ्यास करून वृद्धी आणि घट पाहणे.
३. लोकसंख्येच्या वितरणाला दर्शवून कारणे व उपाय शोधणे

माहिती संकलन व अभ्यास पद्धती:-

प्रस्तुत शोधनिबंध हा द्वितीय स्वरूपाच्या आकडेवारीवर अवलंबून असून प्रकाशित साहित्याद्वारे आकडेवारीचे संकलन केले गेले. गोंदिया जिल्हा आर्थिक व सामाजिक समालोचन, राष्ट्रीय जनगणना अहवाल, गोंदिया जिल्हा जनगणना पुस्तिका याद्वारे द्वितीयक स्वरुपाची आकडेवारी गोळा करून २०११ च्या जनगणनेनुसार प्रस्तुत शोधनिबंधात अनुसूचित जातीच्या लोकसंख्येचे तालुकानिहाय विभाजन करण्यात आले.या आकडेवारीचे टक्केवारीमध्ये रुपांतर करून आकृतीच्या माध्यमातून दर्शविले आहे.आकडेवारीचे विश्लेषण करून लोकसंख्येचा अभ्यास करण्यात आला आहे.

गोंदिया जिल्हा- अनुसूचित जातीच्या लोकसंख्येचे वितरण:-

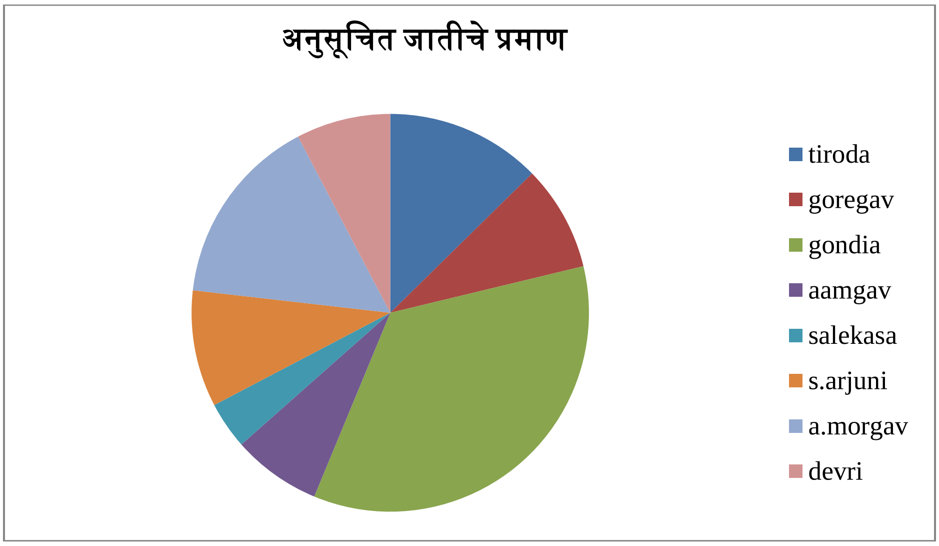
लोकसंख्या वितरणाच्या बाबतीत गोंदिया जिल्ह्यात विषमता दिसून येते. कोणत्याही प्रदेशात लोकसंख्येचे वितरण हे भूरुपाची उपलब्धता, उद्योगधंदे, शिक्षण, आरोग्य, सांस्कृतिक व सामाजिक कारणामुळे प्रभावित होत असते.अभ्यासक्षेत्रातील अनुसूचित जातीच्या लोकसंख्येला समजण्यासाठी तालुकानिहाय लोकसंख्या विभागल्यास वृद्धी व घट दिसून येईल. यानुसार गोंदिया जिल्हयातील एकूण आठही तालुक्यामध्ये असणारी अनुसूचित जातीची लोकसंख्या खालील सारणीमध्ये दर्शविण्यात आली आहे.

अनुसूचित जातीची लोकसंख्या – गोंदिया जिल्हा

अ. क्र.	तालुके	२०११		
		तालुक्यातील एकूण लोकसंख्या	तालुक्यातील अनुसूचित जातीची लोकसंख्या	तालुक्यातील अनुसूचित जातीचे एकूण लोकसंख्येशी प्रमाण
१	तिरोडा	१७६२५४	२२२५४	१.६८
२	गोरेगाव	१२४८९०	१५१३९	१.१४
३	गोंदिया	४२१६५०	६१५६२	४.६५
४	आमगाव	१३०६५७	१२७०३	०.९६
५	सालेकसा	९०६७९	६७४७	०.५१
६	सडक अर्जुनी	११५५९४	१६७००	१.२६
७	अर्जुनी मोरगाव	१४८२६५	२७२७४	२.०६
८	देवरी	११४५१८	१३५८२	१.०२
एकूण लोकसंख्या		१३२२५०७	१७५९६१	१३.३०

स्त्रोत : जिल्हा जनगणना पुस्तिका २०११

सामाजिक व आर्थिक समालोचन गोंदिया जिल्हा २०२३



विषय विवेचन :

प्रस्तुत सारणीत गोंदिया जिल्हयातील २०११ या वर्षाच्या अनुसूचित जातीच्या लोकसंख्येची जिल्हयातील एकूण लोक्संख्याच्या प्रमाणाला दर्शविण्यात आले आहे.२०११ च्या जनगणनेनुसार गोंदिया जिल्ह्याची एकूण लोकसंख्या १३२२५०७ एवढी असून अनुसूचित जातीची लोकसंख्या हि १३.३० टक्के म्हणजे १७५९६१ इतकी दिसून येते. यामध्ये ८७४३४ पुरुष तर ८८५२७ स्त्रिया आहेत. गोंदिया जिल्ह्यात तलावांची संख्या अधिक असून जंगलाचे प्रमाण हि महाराष्ट्र राज्याच्या तुलनेत सर्वाधिक दिसून येते.टेकड्या, डोंगररांगा, लहान लहान नद्यांनी जिल्हयाचा काही भाग व्यापला आहे. अजूनही मोठे उद्योग धंदे,रोजगाराच्या मुबलक सोयी जिल्ह्यात दिसून येत नाही.या सर्व घटकाचा अभ्यास करता असे लक्षात येते की अभ्यास क्षेत्रात अनुसूचित जातीच्या लोकसंख्येचे प्रमाण काही तालुक्यापुरते एकवटले आहे.

२०११ या वर्षी अनुसूचित जातीची सर्वाधिक लोकसंख्या गोंदिया तालुक्यात ४.६५ टक्के इतकी आहे.गोंदिया शहर हे मुंबई कोलकाता या रेल्वेमार्गावर असून व्यापारासाठी अनुकुल आहे. पर्यायी रस्त्याची सुगमता याद्वारे संपूर्ण गोंदिया तालुका एक दुसर्याशी जोडलेला दिसून येतो.जिल्ह्याचे मुख्य ठिकाण असल्याने प्रशासकीय कामे, रोजगार, आरोग्य, शिक्षण यांच्या सोयी पर्याप्त असल्याने अनुसूचित जातीची लोकसंख्या या तालुक्याकडे अधिक आकर्षिली आहे. २०११ च्या जंणगणनेनुसार सर्वात कमी अनुसूचित जातीची लोकसंख्या सालेकसा तालुक्यात ०.५१ टक्के इतकी आहे. सालेकसा तालुका आदिवासी बहुल तालुका असून टेकड्यांनी वेढलेला आहे.जंगलाचे विस्तृत प्रमाण या तालुक्यात दिसून येते.रोजगार, आरोग्य,शिक्षण, व अन्य सुख सोयी पासून अन्य तालुक्यापेक्षा हा तालुका मागेच दिसून येतो.सालेकसा येथील कचारगड या ठिकाणी आदिवासी समूहाचे उगमस्थान असल्याने अनुसूचित जातीच्या लोकसंख्येचे प्रमाण यात अधिक आहे.

अर्जुनी मोरगाव या तालुक्यात अनुसूचित जातीच्या लोकसंख्येचे प्रमाण २.०६ टक्के इतके म्हणजे जिल्ह्यात दुसर्या क्रमांकावर आहे.त्या खालोखाल तिरोडा

(१.६८ टक्के), सडक अर्जुनी (१.२६ टक्के) व गोरेगाव तालुक्यात हे प्रमाण १,१४ टक्के एवढे दिसून येते.सडक अर्जुनी,अर्जुनी मोरगाव, गोरेगाव हि तालुके राष्ट्रीय महामार्ग ६ ला जोडली असल्याने वाहतुकीच्या साधनांची सहज उपलब्धता होतांना दिसते.सामाजिक व सांस्कृतिक कार्याचे प्रमाण अधिक असल्याने मेळावे,संमेलने,व्याख्याने या भागात मोठ्या प्रमाणत होतात. गोंदिया जिल्ह्यात एकूण लोकसंख्येच्या तुलनेत अनुसूचित जातीचे प्रमाण कमी दिसून येते.गोंदिया तालुका वगळता उर्वरित तालुक्यात अनुसूचित जातीच्या लोकसंख्येचे प्रमाण कमी कमी होतांना दिसते.त्यामुळे लोकसंख्येचा भार हा गोंदिया तालुक्यावर आधील पडतांना दिसतो. देवरी व आमगाव या तालुक्यात अनुसूचित जातीचे प्रमाण अनुक्रमे १.०२ टक्के व ०.९६ टक्के इतके अत्यल्प आहे.

निष्कर्ष व उपाययोजना :-

१. प्रस्तुत शोधनिबंधात गोंदिया जिल्हयातील अनुसूचित जातीच्या लोकसंख्येचे एकूण लोकसंख्येशी असलेल्या प्रमाणाचा तालुकानिहाय अभ्यास करण्यात आला आहे.

२. २०११ च्या आकडेवारीनुसार अनुसूचित जातीच्या लोकसंख्येचे सर्वाधिक प्रमाण गोंदिया तालुक्यात ४.६५ टक्के इतके आहे.

३. अनुसूचित जातीच्या लोकसंख्येचे एकूण लोकसंख्येशी असलेले प्रमाण सालेकसा तालुक्यात सर्वात कमी ०.५१ टक्के इतके दिसून येते.

४. गोंदिया हे जिल्ह्याचे मुख्यालय असल्याने सर्व सुख सोयींनी सज्ज आहे.त्या तुलनेत सालेकसा तालुका आदिवासीबहुल व जंगल टेकड्यांनी युक्त आहे.

५. गोंदिया तालुक्यानंतर अर्जुनी मोरगाव, तिरोडा,सडक अर्जुनी, गोरेगाव, देवरी,आमगाव, या तालुक्याचा क्रमांक लागतो.

६. रोजगारासाठी अनेक लोक स्थलांतरित होत असल्याने गोंदिया तालुक्या सारख्या अनेक सोयी उर्वरित तालुक्यात केल्यास अनुसूचित जातीच्या लोकसंख्येचे प्रमाण हे स्थायी राहून गोंदिया तालुक्याकडे स्थलांतरित होणार नाहीत.त्यामुळे आर्थिक भार कमी होईल.

७. शिक्षण,आरोग्य, रोजगार,लघुउद्योग, कुटीरउद्योग यासारख्या सोयीद्वारे तालुक्यातील अनुसूचित जातीच्या लोकसंख्येला रोजगार मिळेल.

संदर्भ :

1. आर्थिक व सामाजिक समालोचन गोंदिया जिल्हा २०२३
2. दुबे कमलाकांत – जनसंख्या भूगोल,रावल प्रकाशन, जयपूर
3. घारपुरे विठ्ठल – लोकसंख्या भूगोल
4. जिल्हा जनगणना पुस्तिका २०११
5. गोंदिया जिल्हा गौरव – दिनेश नखाते
6. पंडा बी.पी.- जनसंख्या भूगोल

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राष्ट्रीय शैक्षणिक धोरण-2020: संधी आणि आव्हाने

डॉ. नरसिंग भानुदास देशमुख

सहाय्यक अधिव्याख्याता, अर्थशास्त्र विभाग, महिला कला, महाविद्यालय औरंगाबाद.

Corresponding Author- डॉ. नरसिंग भानुदास देशमुख

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प्रस्तावना :-

नवीन राष्ट्रीय शैक्षणिक धोरण 2020 याची अंमलबजावणी ही सन 2023-24 या शैक्षणिक वर्षांमध्ये काही प्रमाणात उच्च शिक्षण विभागात लागू करण्यात आली आहे तर सन 2024-25 या शैक्षणिक वर्षासाठी सर्व शैक्षणिक विभाग व टप्पे यावर अंमलबजावणी करण्याचे सरकारने निश्चित केले आहे. आजच्या कालखंडात राष्ट्रीय शैक्षणिक धोरणाचे प्राथमिक, माध्यमिक , महाविद्यालयीन आणि विद्यापीठ पातळीवर विद्यार्थी आणि समाज यांच्यातील महत्त्वपूर्ण दुवा म्हणून सर्व कर्मचारी यांच्यासमोर राष्ट्रीय शैक्षणिक धोरणाचे अनेक आव्हाने निर्माण झालेले दिसतात त्यामुळे या राष्ट्रीय शैक्षणिक धोरणात कोणते आव्हाने आहेत आणि त्यावर काही चांगले पर्याय उपलब्ध होतात का या हेतूने या राष्ट्रीय शैक्षणिक धोरण 2020 चा अभ्यास करणे आवश्यक आहे.

राष्ट्रीय शैक्षणिक धोरणामुळे विद्यार्थी आणि शिक्षकांना उपलब्ध होणाऱ्या संधी.

१.शैक्षणिक लवचिकता:

नवीन शैक्षणिक धोरण हे लवचिक किंवा बदलत्या स्वरूपाचे आहे कारण विद्यार्थी हा शिक्षण घेत असताना कोणत्याही विषयाची आवड व कौशल्यानुसार निवड करू शकतो.तसेच शिक्षण घेणे आणि बाहेर पडणे हे सहज करता येते त्यांनी घेतलेले शिक्षणाचा भविष्यात फायदा करून घेता येतो व विद्यार्थ्यांना देखील मोठ्या प्रमाणात प्रोत्साहन मिळू शकते.

२. विद्यार्थ्यांचा सर्वांगीण विकास:

राष्ट्रीय शैक्षणिक धोरणात विद्यार्थ्याला स्थानिक पातळीवर सहज शिक्षण उपलब्ध होते तर त्याचा सामाजिक, भावनिक, शारीरिक तसेच पायाभूत विकास घडवून येण्यासाठी या शैक्षणिक धोरणाचा फायदा होईल. उदाहरणार्थ संगणक, कौशल्य तंत्र, रोजगार इत्यादी बाबींचा सुयोग्य उपयोग विद्यार्थ्यांना करता येऊ शकतो.

३. विद्यार्थिना मर्यादित अभ्यासक्रम:

विद्यार्थ्यांना शिक्षण घेत असताना अभ्यासक्रम हा कमीत कमी करण्याच्या हेतूने तयार केला आहे. कारण हा अभ्यासक्रम दर्जात्मक आणि गुणात्मक चांगला असून त्याची अंमलबजावणी काटेकोरपणे होणे आवश्यक आहे.

४. सर्वसमावेशक धोरण:

नवीन राष्ट्रीय शैक्षणिक धोरणात सर्व समावेशक घटकांना प्राधान्य देण्यात आले आहे. कारण अपंग, दिव्यांग, ग्रामीण, शहरी, आदिवासी इत्यादी. विद्यार्थ्यांना हे शिक्षण सहज उपलब्ध होणार असून त्याचा मोठा प्रमाणात फायदा होईल हा महत्त्वपूर्ण हेतू समोर ठेवून राष्ट्रीय शैक्षणिक धोरणाची अंमलबजावणी होणार आहे.

५. विद्यार्थ्यांच्या कौशल्य विकासासाठी संधी उपलब्ध होतील:

राष्ट्रीय शैक्षणिक धोरण वैचारिक क्षमता,विविध भाषेतील संवाद, तांत्रिक शिक्षण, डिजिटल साक्षरता इत्यादीमुळे आधुनिक काळात येणाऱ्या समस्या सोडविण्यासाठी हे शैक्षणिक धोरण महत्त्वाचे ठरते.

६. शिक्षकांना व्यवसायिक विकासाच्या संधी:

राष्ट्रीय शैक्षणिक धोरणात शिक्षकांना या शैक्षणिक धोरणामुळे प्रशिक्षण कार्यशाळा परिसंवाद अध्यापनाचे कौशल्य इत्यादी. संदर्भात ज्ञान आणि अध्यापन पद्धतीची माहिती दिल्यामुळे शिक्षकांचा व्यवसायिक विकास घडवून येईल व त्यामुळे शिक्षकांना नवीन संधी निर्माण होत आहेत.

७. अध्यापनाच्या पद्धतीमध्ये सुधारणा:

शिक्षण क्षेत्रात अध्यापन पद्धती ही साधी आणि पारंपारिक पद्धतीने नुसार होती. परंतु नवीन राष्ट्रीय शैक्षणिक धोरणात या अध्यापनाच्या पद्धतीमध्ये बदल केले आहेत.केंद्रित शिक्षण, परस्पर संवादी, अनुभवात्मक शिक्षण आणि संगणकीय शिक्षण इत्यादीमुळे शिक्षकाला विद्यार्थी शिकवण्याच्या प्रक्रियेत गुंतवून ठेवण्यास मदत होईल.

८. सर्व तंत्रज्ञान साधनाचे एकत्रीकरण:

ऑनलाइन शिक्षण, डिजिटल शिक्षण, संवाद शिक्षण किंवा विविध शैक्षणिक ॲप्सचा वापर केल्यामुळे विद्यार्थ्यांना प्रभावी शिक्षण मिळू शकते.इत्यादी तंत्रज्ञानाचे फायदे विद्यार्थ्यांना आणि शिक्षकाला देखील होतात.

९. शिक्षकाचे मार्गदर्शन:

नवीन राष्ट्रीय शैक्षणिक धोरणामुळे शिक्षकाला नवीन मार्गदर्शन मिळणार आहे.कारण हा अभ्यासक्रम रोजगार आणि कौशल्य आधारित असून स्पर्धेच्या काळात अनेक नवीन समस्यांना सामोरे जात असताना त्यातून

शिक्षकांना मार्ग काढणे अनिवार्य आहे त्यासाठी शिक्षकांना मार्गदर्शन मिळणार आहे.

१०.शैक्षणिक धोरणामुळे समुदाय सक्षम होईल:

विद्यार्थ्यांना घडवत असताना शिक्षकांना त्यांच्या जीवनाशी निगडित अनेक बाबींचा अभ्यास करून नवीन राष्ट्रीय शैक्षणिक धोरणाच्या माध्यमातून स्वयंरोजगार निर्माण करून त्यांचा सामाजिक दर्जा देखील टिकवून ठेवता येतो अशा अनेक बाबींचे अनुभवधिष्ठीत ज्ञान देऊन त्यांना सक्षम करण्याची जबाबदारी आहे त्यामुळे सर्व समुदाय सक्षम होईल.

११. शिष्यवृत्ती:

गुणवत्ता विकासासाठी सर्वांना समान शैक्षणिक संधी निर्माण करण्यासाठी विविध शिष्यवृत्तीचे प्रयोजन या शैक्षणिक धोरणात करण्यात आले आहे त्यातून गुणवत्ता विकास संधी निर्माण होते.

१२ . बहुभाषिकत्व:

मातृभाषेबरोबर शालेय स्तरावर किंवा उच्च शिक्षणामध्ये परराष्ट्रीय भाषांचे शिक्षण घेण्याचे धोरण असताना देखील बहुभाषिक बनवण्याची संधी या राष्ट्रीय शैक्षणिक धोरणामध्ये निर्माण होत आहे.

विद्यार्थी आणि शिक्षकासमोरील आव्हाने:

१. विद्यार्थ्यांची स्पर्धा आणि दबाव:

आधुनिक काळात विद्यार्थ्यांवर वाढणारा दबाव आणि त्यांच्यात असणारी स्पर्धा हा विषय खूप चिंताजनक आहे.कारण विद्यार्थ्यांना मानक परीक्षा यावर अधिक भर देते तसेच या ग्रेड पद्धतीला महत्त्व दिलेले आहे. विद्यार्थ्यांच्या सर्वांगीण विकास आणि कल्याणाशी तडजोड होऊ शकते.त्यामुळे हे या बाबीवर अधिक लक्ष केंद्रित करणे गरजेचे आहे.

२. मानवी आणि सामाजिक विज्ञान यावर मर्यादा येते:

आजच्या काळात या नवीन शैक्षणिक धोरणामुळे बहुशाखीय विषय निवडण्याचे स्वातंत्र्य असल्यामुळे अनेक विद्यार्थी मानवी आणि सामाजिक विज्ञान विषयाची निवड करणार नाही त्यामुळे विषय बहुनिवडीचा तोटा निश्चित झाल्याशिवाय राहणार नाही हे आव्हान आपणास समोर उभा राहिल.

३. पायाभूत सुविधांचा अभाव:

भारतामध्ये ग्रामीण भागात आर्टिफिशियल इंटेलिजन्स कोडींग यासारख्या तंत्रज्ञानाचा वापर करताना दिसतो. आजही विद्यार्थ्यांना शिक्षण घेण्यासाठी आधारभूत सुविधा उपलब्ध नाहीत तर या नवीन शैक्षणिक धोरणात संगणक इंटरनेट, कनेक्टिव्हिटी, ऑनलाइन शिक्षण डिजिटल आणि ई लर्निंग इत्यादीचा समावेश आहे त्यामुळे अशा परिस्थितीत ग्रामीण भागात विद्यार्थ्यांना प्रतिकूल परिणामाला सामोरे जावे लागते. असे अनेक आव्हाने आपल्यासमोर महत्वपूर्ण ठरतात.

४. सायबर सिक्युरिटी:

ऑनलाइन माध्यमातून विविध विषयाचे अध्ययन करताना विद्यार्थ्यांना वेगवेगळया प्रकारच्या एप्लीकेशन व वेबसाईटचा उपयोग करावा लागतो त्यात विद्यार्थी उद्दिष्टापासून भरकटण्याची शक्यता असते त्यामुळे सायबर सिक्युरिटी हे एक मोठे आव्हान आहे.

५. शिक्षक प्रशिक्षण:

आधुनिक काळात विद्यार्थ्यांना शिकविण्यासाठी प्रशिक्षित शिक्षक वर्ग तयार करावा लागेल कारण नवीन तंत्रज्ञान किंवा ज्ञानासाठी हे मोठे आव्हान आहे.

६. शिक्षकांची निवड प्रक्रिया:

शिक्षक निवड प्रक्रियेत अधिक पारदर्शकता व गुणवत्तेची अपेक्षा ही राष्ट्रीय शैक्षणिक धोरण करते. त्यामुळे निवडीची प्रक्रिया ही कठीण होण्याची शक्यता आहे त्याचप्रमाणे शासन व संस्थापक अभ्यासक्रम निर्मिती मंडळ, पालक यांच्यासमोर देखील मोठे आव्हाने ठरणार आहेत.

७. नवीन शैक्षणिक धोरण हे सरकारच्या क्षमतेवर अवलंबून आहे:

भारताच्या शैक्षणिक व्यवस्थेमध्ये निधीची कमतरता आहे संपूर्ण व्यवस्था नोकरशाहीवर अवलंबून आहे नवीन शैक्षणिक कल्पना आणि शिक्षण वाढीच्या क्षमतेस शिक्षण व्यवस्थेत प्रतिकूल वातावरण आहे असे के. कस्तुरी रंगन या मसुदा समितीने निदर्शनास आणून दिले.

८. नवीन शैक्षणिक धोरणानुसार अभियांत्रिकी ,तंत्रविद्या, वैद्यकीय शिक्षण इ.मराठी भाषेत दिले जाणार आहे यामुळे हे एक मोठे आव्हान ठरणार हे निश्चित आहे.

९. तंत्रज्ञान विषयक बदल:

आजच्या काळात वास्तव आहे. की रोज नवनवीन शोध व तंत्रज्ञान विकसित होत आहे हे विद्यार्थ्यापर्यंत पोहोचविणे आवश्यक आहे शिक्षकाने तंत्रज्ञान आत्मसात करून त्याचा उपयोग दैनंदिन अध्यापनात करणे आवश्यक आहे तर नवीन शैक्षणिक धोरण अंमलबजावणीसाठी सहज सोपे जाईल त्यासाठी शिक्षकाने तंत्रज्ञानाविषयी जागरूक राहणे आवश्यक आहे.

१०. लोकसंख्या वाढीबरोबर विद्यार्थी संख्या वाढत आहे:

लोकसंख्या वाढीबरोबर शैक्षणिक क्षेत्रातील ज्ञान घेणारी विद्यार्थी संख्या वाढत आहे. वाढत्या संख्येबरोबर सुविधा अपुऱ्या पडत आहेत त्यासाठी सरकारला आर्थिक तरतूद करणे अवघड होत आहे. त्यास पर्याय म्हणून लोकसहभाग हा एक उपाय होऊ शकतो. त्याला काही मर्यादा आहेत त्याबरोबर विद्यार्थ्यांची गळती ही एक मोठी

गंभीर समस्या आहे.त्याला अनेक कारणे आहेत प्रशासकीय दुर्लक्ष, पालकांचे दारिद्र्य, पालक विद्यार्थी संवाद कमी होणे, मुलांची शिक्षणाबाबत उदासीनता अशा अनेक समस्या निर्माण होत आहेत शहरी आणि ग्रामीण यामध्ये सुविधांमध्ये तफावत वाढत आहे या बाबी लक्षात घेणे काळाच्या परिस्थितीत आवश्यक आहे.

११. मूल्यमापन विषयक बाबी:

आजच्या नवीन राष्ट्रीय शैक्षणिक धोरणाची उद्दिष्टे व ध्येय साध्य करताना त्यांचे मूल्यमापन होणे अपरिहार्य आहे.पण त्यात भरपूर अडचणी निर्माण होत आहेत. अभ्यासक्रम एकांगी आहे म्हणजे शहर व खेडे यात भिन्नता असल्यामुळे ग्रामीण मुलांना हा अभ्यासक्रम कठीण होत असून प्रमाणभाषा, विभाग भाषा यात तफावत असते.म्हणून मूल्यमापन करणाऱ्या व्यक्तीला प्रत्येक विद्यार्थ्यांचे सापेक्ष मूल्यमापन करणे कठीण होते.

सारांश:

भारतीय शैक्षणिक क्षेत्राला हजारो वर्षाचा इतिहास आहे तसेच अनेक अडचणीवर मात करून शिक्षकांनी नेहमी नाविन्याचा ध्यास घेतलेला आहे. बदलत्या शैक्षणिक प्रवाहात अनेक शैक्षणिक आव्हाने येणार आहेत यासाठी शिक्षकांनी विद्यार्थ्यांची भावना, त्यांना मदत करण्याची तयारी ठेवली पाहिजे त्यांच्या सर्वांगीण विकासाचा ध्यास घेतला पाहिजे, आपल्या कार्याचा समाजावर व देशावर काय परिणाम होईल याचे चिंतन करून स्वतः जबाबदारी स्वीकारून हे कार्य काळजीपूर्वक व उत्कृष्टपणे करणे आवश्यक आहे बदलत्या शैक्षणिक प्रवाहातील आव्हाने हे स्वीकारताना उद्याच्या समर्थशाली भारताच्या जडणघडणीत आपले योगदान हे महत्त्वपूर्ण ठरणार आहे हे लक्षात ठेवले पाहिजे. त्यामुळे विद्यार्थ्यांचा व देशाचा विकास निश्चित होईल.

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डॉ. मोतीलाल रामचंद्र दर्वे
शिवप्रसाद सदानंद जायस्वाल महाविद्यालय, अर्जुनी/मोर. जि. गोंदिया
Corresponding Author- डॉ. मोतीलाल रामचंद्र दर्वे
मेल आयडी : motilaldarve@gmail.com
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सारांश –

भारत हा कृषिप्रधान देश असून येथील अधिकांश लोक कृषि व्यवसायात गुंतलेले आहेत. या व्यवसायातून प्राप्त कच्चा माल हा देशातील उद्योगधंद्यांची चाके फिरविण्यासाठी सहाय्यभूत ठरतो.. त्यामुळे कृषी व्यवसायाला उद्योगाचा कणा समजले जाते. कृषिची उत्पादकता वाढविण्यासाठी जलसिंचन, खते, सुधारीत बि–बियाणे, आधुनिक अवजारे, कृषियोग्य जमीन, मजूर, भांडवल इ. घटकांचा मेळ बसणे तितकेच महत्वाचे आहे. यातील सर्वात महत्वाचा घटक म्हणजे जलसिंचन होय. मान्सूनचा जुगार म्हणून ओळखल्या जाणाऱ्या भारतीय कृषी व्यवसायाला समृद्ध करण्याचे काम जलसिंचन या घटकाने केले आहे. ही बाब महाराष्ट्रातील गोंदिया जिल्हयातील शेतीला प्रभावीत केल्यावाचून राहीली नाही. या जिल्हयात सिंचनाचे विविध स्त्रोत अस्तित्वात आहेत. हा जिल्हा अति दुर्गम, नक्षलग्रस्त, आदिवासी बहुल जिल्हा असूनही तलावांची संख्या अधिक असल्याने या जिल्हयाला 'तलावाचा जिल्हा' म्हणून ओळखले जाते. विपूल नैसर्गिक संसाधने असलेल्या या जिल्हयामध्ये जलसिंचनाच्या विकासाला वाव असून कृषी विकासाला पोषक अशी कृषी भूमी ओलिताखाली आणणे व लागवडीलायक बनविण्यासाठी सुयोग्य धोरण आखण्याची आवश्यकता आहे. सिंचन स्त्रोतांना अधिक क्षमताधिष्टीत केल्यास कौटुंबिक व पर्यायाने देशाचा आर्थिक विकास साधता येऊ शकतो. या उद्देशाने गोंदिया जिल्हयातील विविध जलस्त्रोतांचा तौलनिक अभ्यास केला आहे.

प्रस्तावना –

गोंदिया जिल्हा हा विपूल नैसर्गिक साधनसंपत्तीने युक्त असून मानवी जिवनाचे अस्तित्व आणि विकासाला उपयोगी पडतील अशी अनेक नैसर्गिक संसाधने येथे उपलब्ध आहेत. शेती हा जिल्हयाच्या विकासाचा कणा असून गोंदिया जिल्हयातील ७५ टक्के लोकसंख्येचे जीवन या व्यवसायावर निर्भर आहे. महाराष्ट्र राज्याच्या अतिपूर्वेकडे स्थित असलेल्या या जिल्हयात डोंगरदऱ्या व जंगलाचे प्रमाण अधिक आहे. जिल्हयातील प्रत्येक गावालगत असलेल्या माजी मालगुजारी तलावाची निर्मिती येथील लोकांनी प्राकृतिक रचनेचा आधार घेऊन केली आहे. या लहान–मोठया तलावासारख्या जलस्त्रोताव्दारे अलिकडच्या काळात गोंदिया जिल्हयात आधुनिक जलसिंचन प्रकल्प, प्रक्रिया उद्योग, विज्ञान व तंत्रज्ञान या सोईमुळे मोठया प्रमाणात शेती ओलिताखाली आणली जात आहे. तांदूळ हे येथील प्रमुख पिक आहे. या पिकाला भरपूर पाण्याची आवश्यकता असते. त्यासाठी जिल्हयात सिंचनाचे विविध स्त्रोत निर्माण करण्यात आले. यात मोठे, मध्यम व लघु जलसिंचन प्रकल्प, पाझर तलाव, बंधारे, उपसा सिंचन कोल्हापुरी बंधारे इ. सोयीमुळे शेतीची उत्पादनक्षमता वाढवून खात्रीशीर उत्पन्न मिळविण्यावर येथील शेतकऱ्यांनी भर दिला आहे. सामान्यत: देशाची गरज लक्षात घेता अन्नधान्याचे उत्पादन वाढविणे आणि स्थानिक लोकांना रोजगार प्राप्त करुन देणे हे येथील प्रशासनाचे उद्दिष्ट पूर्ण करण्यासाठी जिल्हयातील शेती व्यवसायाला समृद्धीच्या दिशेने वाटचाल करण्यासाठी जलसिंचनाचा विचार करणे क्रमप्राप्त ठरते.

अभ्यास क्षेत्र :–

प्रस्तुत शोधनिबंधाचा अभ्यासक्षेत्र असलेला गोंदिया हा जिल्हा महाराष्ट्र राज्याच्या विदर्भ विभागात पूर्वेकडे स्थित गोंदिया हा जिल्हा भंडारा जिल्हयाचे विभाजन होऊन १ मे १९९९ ला अस्तित्वात आला. या जिल्हयाची पूर्व सीमा छत्तीसगड राज्यातील राजनांदगाव जिल्हयाने, उत्तर सिमा मध्यप्रदेशातील बालाघाट जिल्हयाने, पश्चिमेस भंडारा जिल्हयाने व दक्षिणेस गडचिरोली जिल्हयाने मर्यादीत केली आहे. या जिल्हयात गोंदिया, तिरोडा, गोरेगाव, आमगाव, सालेकसा, देवरी, सडक अर्जुनी व अर्जुनी/मोर. असे एकूण आठ तालुके आहेत. वैनगंगा नदीच्या खोऱ्यात स्थित गोंदिया जिल्हयात नागझिरा अभयारण्य, नवेगाव/बांध राष्ट्रीय उद्यान, प्रतापगड किल्ला तसेच आशिया खंडातील सर्वात मोठी निसर्गनिर्मित कचारगढ गुफा सालेकसा तालुक्यात आहे.

उद्दिष्टये:–

१. गोंदिया जिल्हयातील जलसिंचन स्त्रोतांचे अध्ययन करणे.
२. गोंदिया जिल्हयातील जलसिंचन स्त्रोतांचे तुलनात्मक विश्लेषण करणे.
३. गोंदिया जिल्हयातील भौगोलिक क्षेत्र, ओलित क्षेत्र व लागवडयोग्य क्षेत्र अभ्यासणे.

अभ्यास पद्धती :–

प्रस्तुत शोधनिबंधात उद्दिष्टानुसार अध्ययन करण्यासाठी गोंदिया जिल्हयातील जलसिंचन स्त्रोत आणि कृषी व जलसिंचन स्त्रोतांची सांख्यिकीय माहिती गोंदिया जिल्हा आर्थिक व सामाजिक समालोचनातून घेतली आहे. विश्लेषणासाठी अभ्यासक्षेत्रातील जलसिंचनाचे मोठे, मध्यम व लघु प्रकल्प तसेच इतर सिंचनाचे स्त्रोतांच्या आकडेवारीला आधार घेण्यात आला आहे. याकरीता २०१०–११ व २०२०–२१ या दोन वर्षातील सिंचनाच्या सोयीसुविधा, लागवडीलायक क्षेत्र, ओलीताखालील क्षेत्र या व्दितीयक आकडेवारीला लक्षात घेतले आहे. प्राप्त आकडेवारीला

टक्केवारीत रुपांतरीत करुन उद्दिष्टांपर्यंत पोहोचण्याचा प्रयत्न केला आहे. वर्तमान आकडेवारीला लक्षात घेताना प्रसंगी संगणकीय वेबसाईटचा वापर केला आहे.

विषय विवेचन :—

पावसाच्या पाण्याव्यतीरिक्त पिकांना दिलेल्या पुरक पाण्याला जलसिंचन म्हणतात. विहिरी, कुपनलिका, तलाव, नद्या, धरणे आणि कालवे हे सिंचनाचे स्त्रोत गोंदिया जिल्हयात कमी—अधिक प्रमाणात आहेत. अभ्यासक्षेत्रातील जवळपास ८० ते ८५ टक्के शेतीक्षेत्र मोसमी पावसाच्या लहरीपणावर अवलंबून असल्याने या जिल्हयात जलसिंचनाचे ४ मोठे प्रकल्प, ७ मध्यम प्रकल्प व २२७ लघुसिंचन प्रकल्प आहेत. यासोबतच १४९५ पाझर तलाव, ३१३ कोल्हापुरी बंधारे, १६८० साठवण बंधारे, १८ उपसा सिंचन प्रकल्प, १७६१६ सिंचन विहिरी आहेत.

सिंचन व पाणी उपसा करण्याच्या सोयी

गोंदिया जिल्हयातील २०१०—११ ते २०२०—२१ या संदर्भ वर्षातील कालावधीचा विचार केल्यास सिंचन सुविधांमध्ये सरासरी वाढ झालेली दिसून येते. जिल्हयातील मोठया व मध्यम प्रकल्पांच्या संख्येत वाढ झाली नाही मात्र स्थानिक स्तरावरील लघु सिंचन प्रकल्पात वाढ झाली आहे.

१. मोठे प्रकल्प :— गोंदिया जिल्हयात ४ मोठे प्रकल्प आहेत. यातील अर्जुनी/मोर. तालुक्यात इटिया डोह, देवरी तालुक्यात सिरपूर, सालेकसा तालुक्यात पुजारी टोला व कालीसरार हे मोठे प्रकल्प आहेत. या चारही प्रकल्पांपैकी इटिया डोह प्रकल्प गाढवी नदीवर असून या धरणाची कमाल क्षमता ३१७.८७ द.ल.घ.मी. आहे. तर इतर तीन मोठया प्रकल्पांची एकूण कमाल क्षमता २२९.४१ द.ल.मी. आहे. इटिया डोह प्रकल्पामुळे अर्जुनी/मोर. तालुक्यातील ७०२.२ हे. क्षेत्र ओलिताखाली आहे. या प्रकल्पामुळे ८९१३ हेक्टर जमीन लागवडीलायक झाली आहे तर ७०१२ हेक्टर जमीन ओलीताखाली आली आहे. या प्रकल्पामुळे गोंदिया जिल्हयातील अर्जुनी/मोर. तालुक्यासोबतच भंडारा जिल्हयातील लाखांदूर तसेच गडचिरोली जिल्हयातील देसाईगंज या तालुक्यातील शेतीला जलसिंचनाचा लाभ होतो. सिरपूर धरण बाघ नदीवर बांधले आहे. या धरणाची साठवण क्षमता २०३.८४ ल.घ.मी. आहे. पुजारीटोला प्रकल्पामुळे ४५७१९ हेक्टर क्षेत्र सिंचनाखाली आले आहे. या धरणाची कमाल साठवण क्षमता ६५.११ ल.घ.मी. आहे. कालीसरार प्रकल्पामुळे ४.८हजार हे. क्षेत्र ओलीताखाली आले आहे.

२. **मध्यम प्रकल्प** :— गोंदिया जिल्हयात मध्यम प्रकल्पांतर्गत तक्ता क्र. १ मध्ये दर्शविल्याप्रमाणे बोदलकसा, चुलबंद, चोरखमारा, खैरबंदा, मानागड, रेंगेपार, संग्रामपूर अशा ७ मध्यम प्रकल्पांचा समावेश आहे. सन २०२१—२२ मध्ये ८६३४५ हे. क्षेत्र सिंचनाखाली आले. त्यामध्ये ४३६३५ हे. क्षेत्र लागवडीलायकव २२४८७ हे. क्षेत्र ओलीताखाली आले आहे.

तक्ता १ मध्यम जलसिंचन प्रकल्प

अ.क्र.	घटक	मध्यम प्रकल्प (क्षेत्र हे.)						
1-	प्रकल्पाचे नाव	बोदलकसा	चुलबंध	चोारखमारा	खैरबंदा	मानागड	रेंगेपार	संग्रामपूर
2-	तालुका	तिरोडा	गेरेगाव	तिरोडा	गोंदिया	सालेकसा	स/अर्जुनी	गोंदिया
3-	निर्मिती वर्ष	1917	1974	1923	1915	1970	1978	1970
4-	कमालक्षमता (द.ल.घ.मी.)	15-63	17-97	19-72	15-95	7-05	3-56	3-86
5-	लागवडीलायक क्षेत्र (हे.)	9839	3398	13242	11267	3390	1305	1194
6-	ओलिताखालील क्षेत्र (हे.)	5371	3167	5597	5596	1335	942	479
7-	एकूण लाभक्षेत्र	19138	18718	24556	12446	5008	3500	2979

स्त्रोत— १. कार्यकारी अभियंता, बांध पाटबंधारे विभाग, जि.प. गोंदिया २. जिल्हा जलसंधारण अधिकारी, जि.प. गोंदिया

४. **लघु सिंचन प्रकल्प** :—

गोंदिया जिल्हयातील लघु सिंचन प्रकल्पांची संख्या २०१०—११ मध्ये २०१ होती यात वाढ होऊन २०२०—२१ मध्ये ती २२७ वर गेली आहे. (तक्ता क्र. २ व ३) यापैकी राज्यस्तरीय लघुसिंचन प्रकल्पाच्या संख्येत कोणतीही वाढ झाली नाही मात्र स्थानिक स्तरावरील प्रकल्पांची संख्या १८१ वरुन २२७ इतकी झाली आहे. म्हणजेच १४.३६ टक्के वाढ झालेली आहे. तालुकावार स्थिती लक्षात घेतल्यास सालेकसा तालुका वगळता इतर सर्व सातही तालुक्यात कमी—अधिक प्रमाणात प्रकल्पांची भर पडली आहे. या वाढीचे प्रमाण देवरी तालुक्यात सर्वाधीक म्हणजे ११ आहे.

४ पाझर तलाव :— गोंदिया जिल्हयातील २०१०—११ या वर्षी २६ असलेल्या पाझर तलावांच्या संख्येत भरीव वाढ होऊन ती २०२०—२१ मध्ये १४९५ इतकी झाली आहे. (तक्ता क्र. २ व ३) ही लक्षणीय वाढ कृषी उत्पादन वाढविण्यास साहाय्यक ठरली आहे. जिल्हयातील आठही तालुक्यात पाझर तलावांच्या संख्येत वाढ झालेली दिसून येते. यापैकी सर्वात अधिक पाझर तलाव अर्जुनी/मोर. तालुक्यात २६९ आहेत. त्यानंतर अनुक्रमे गोरेगाव, गोंदिया, देवरी या तालुक्यात पाझर तलाव आढळतात. पाझर तलावामुळे स्थानिक स्तरावर भूजलाची पातळी वाढते. निसर्गतः प्राप्त होणाऱ्या पावसाच्या पाण्याला जमीनीत मुरवून त्या क्षेत्रातील भूजलाची पातळी वेगाने वाढण्यास मदत झाली आहे.

५ कोल्हापुरी बंधारे:— गोंदिया जिल्हयातील सिंचन सुविधांमध्ये कोल्हापुरी बंधाऱ्यांना विशेष महत्व देण्यात आले

आहे. असे बंधारे नदी किंवा नाला यांच्या पात्रात त्या त्या हंगामातील शेवटच्या पावसाच्या पाण्याला अडवून तयार केले जातात. त्यासाठी लाकडी फळया किंवा लोखंडी गेट लावून प्रवाह अडवला जातो. तुलनात्मक अभ्यास करता (तक्ता क्र. २ व ३) या जिल्हयातील कोल्हापुरी बंधाऱ्याची संख्या २९४ वरुन ३१३ झाली आहे. म्हणजेच जिल्हयात १९ कोल्हापुरी बंधाऱ्यांची निर्मिती करण्यात आली. ही वाढ अनुक्रमे देवरी, आमगाव, गोंदिया, सडक अर्जुनी व तिरोडा तालुक्यात झाली आहे. मात्र अर्जुनी/मोर. व सालेकसा तालुक्यात बंधारे कमी झालेले आहेत.

तक्ता क्र. २ गोंदिया जिल्हयातील सिंचनाच्या सोयी २०१०—११

अ. क्र.	तलुका	सिंचनाच्या सोयी (संख्या)							
		मोठे प्रकल्प	मध्यम प्रकल्प	लघु सिंचन प्रकल्प	पाझर तलाव	कोल्हापुरी बंधारे	भुयारी साठवण बंधारे	उपसा जलसिंचन	सिंचन विहिरी
1-	तिरोडा	—	4	23	2	44	160	6	678
2-	गोरेगाव	—	1	28	4	42	111	—	674
3-	गोंदिया	—	—	14	6	31	98	—	935
4-	आमगाव	—	—	29	6	37	36	—	518
5-	सालेकसा	2	1	33	6	46	89	—	666
6-	सडक अर्जुनी	—	1	9	—	15	94	—	656
7-	अर्जुनी/मोर.	1	—	22	2	36	89	1	818
8-	देवरी	1	—	43	—	43	87	2	477
	एकूण	4	7	201	26	294	764	9	5422

स्त्रोत— कार्यकारी अभियंता पाटबंधारे विभाग गोंदिया, कार्यकारी अभियंता (ल.पा.) जि.प. गोंदिया, कार्यकारी अभियंता म.रा.विज वितरण कंपनी मर्या.गोंदिया

तक्ता क्र. ३ गोंदिया जिल्हयातील सिंचनाच्या सोयी २०२०—२१

अ.क्र.	तालुका	सिंचनाच्या सोयी (संख्या)							
		मोठे प्रकल्प	मध्यम प्रकल्प	लघु सिंचन प्रकल्प	पाझर तलाव	कोल्हापुरी बंधारे	भुयारी साठवण बंधारे	उपसा जलसिंचन	सिंचन विहिरी
1-	तिरोडा	—	4	26	130	48	297	6	1587
2-	गोरेगाव	—	1	31	250	42	214	2	2881
3-	गोंदिया	—	—	18	248	36	296	3	4233
4-	आमगाव	—	—	31	104	43	112	1	1912
5-	सालेकसा	2	1	32	168	43	173	0	790
6-	सडक अर्जुनी	—	1	12	103	20	179	2	2641
7-	अर्जुनी/मोर.	1	—	23	269	30	164	2	2300
8-	देवरी	1	—	54	223	51	245	2	1272
	एकूण	4	7	227	1495	313	1680	18	17616

स्त्रोत— कार्यकारी अभियंता पाटबंधारे विभाग गोंदिया, कार्यकारी अभियंता (ल.पा.) जि.प. गोंदिया, कार्यकारी अभियंता म.रा.विज वितरण कंपनी मर्या.गोंदिया

६ साठवण बंधारे :— अभ्यासक्षेत्रात १६८० साठवण बंधारे असून त्यांची प्रकल्पीय सिंचन क्षमता १४८१७ हे. आहे. तौलनिक अध्ययनातून (तक्ता क्र. २ व ३) असे स्पष्ट होते की, १० वर्षात ९८० बंधारे तयार करण्यात आल आहेते. त्यामुळे मोठया प्रमाणात पाणी अडवले जावून जमीनीत मुरविले गेले. याचा प्रत्यक्ष परिणाम भूजल पातळी वाढल्याने सिंचन विहिरींची पाण्याची पातळी वाढून खरीप व रब्बी अशा दोन्ही पिकांना लाभ झाला.

७ उपसा सिंचन योजना :— जलसिंचनाच्या विविध पद्धतीपैकी उपसा सिंचन ही एक पद्धती आहे. याव्दारे पंप आणि इतर उपकरणांच्या साहाय्याने खालच्या पातळीतील पाणी वर उचलले जाते. जिल्हयात (तक्ता क्र. २ व ३) ९ उपसा सिंचन योजना होत्या त्यात ९ ची वाढ होऊन २०२०—२१ मध्ये त्याची संख्या १८ झाली आहे. सर्वात अधिक उपसा सिंचन योजना तिरोडा तालुक्यात ६ आहेत. मात्र सालेकसा तालुक्यात या पद्धतीची सिंचन योजनेचा अभाव जाणवतो. इतर सर्व तालुक्यात १ ते ३ उपसा सिंचन योजना कार्यान्वीत आहेत.

८ सिंचन विहिरी :— पर्जन्याचे प्रमाण लक्षात घेवून कोरडवाहू शेतीसाठी पाणलोट व जलसंवर्धन माध्यमातून जलसिंचनाची उपलब्धता वाढविणे तसेच संरक्षित व शाश्वत सिंचनाची सुविधा निर्माण करण्यासाठी सिंचन विहिरी निर्माण करण्यात येतात. जिल्हयात 'मागेल त्याला विहिर' या योजनेअंतर्गत मोठया प्रमाणात सिंचन विहिरी तयार करण्यात आल्या आहेत. २०१०—११ मध्ये सिंचन विहिरींची संख्या ५४२२ इतकी होती. ती २०२०—२१ मध्ये वाढून १७६१६

झाली. (तक्ता क्र. २ व ३) म्हणजेच सरासरी ६९.२२ टक्के सिंचन विहिरींची भर पडली आहे. तालुकावर विश्लेषण केल्यास सर्वाधिक सिंचन विहिरी गोंदिया तालुक्यात ३२९८ विहिरांची भर पडली आहे. त्यानंतर गोरेगाव, सडक अर्जुनी, अर्जुनी/मोर., आमगाव या तालुक्यांचा क्रमांक लागतो. सालेकसा तालुक्यात शेतीक्षेत्र कमी असल्याने विहिरींची निर्मिती कमी प्रमाणात झाल्याचे दिसून येते.

गोंदिया जिल्हा लागवड व ओलित क्षेत्र:—

सन २०१०—११ या वर्षी लागवडीलायक क्षेत्र २१९६०० हे. होते ते २०२०—२१ या वर्षी २९६७०० हे. पर्यंत वाढले. याचा अर्थ ७७१०० हे. क्षेत्राची वाढ झाली. (तक्ता क्र. ४) यावरून स्पष्ट होते की, जिल्हयातील जलसिंचन स्त्रोतांच्या संख्येत वाढ झाल्याने लागवडीलायक क्षेत्र सरासरी २५.९९ टक्क्याने वाढ झालेली आहे. गोंदिया जिल्हयातील ओलिताखालील क्षेत्र व एकूण भौगोलिक क्षेत्र यांच्या टक्केवारीतही वाढ झालेली आहे. २०१०—११ मध्ये ओलिताखालील क्षेत्राची एकूण क्षेत्रफळाशी टक्केवारी १८.९१टक्के होती. यात वाढ होऊन २०२०—२१ मध्ये २६.१६ टक्के पर्यंत वाढले. लागवडीलायक क्षेत्र आणि जिल्हयाचे एकूण भौगोलिक क्षेत्र यांच्या टक्केवारीतदेखील भरीव वाढ झालेली आहे.

तक्ता क्र. ४ : गोंदिया जिल्हा एकूण लागवड व ओलित क्षेत्र

अ. क्र.	घटक/बाब (क्षेत्र हेक्टरमध्ये)	ओकडेवारी वर्ष	
		2010–11	**2020–21**
1-	एकूण भौगोलिक क्षेत्र	518240	518240
2-	ओलिताखालील क्षेत्र	110800	135600
3-	लागवडीलायक क्षेत्र	296700	318500
4-	ओलिताखालील क्षेत्राची एकूण क्षेत्रफळाशी टक्केवारी	18-91	26-16
5-	लागवडीलायक क्षेत्राची एकूण क्षेत्रफळाशी टक्केवारी	37-22	61-46

यावरुन असे स्पष्ट होते की, प्रत्यक्ष उपलब्ध असणारे जलसिंचन स्त्रोत व सोयींचा परिणाम लागवडीलायक क्षेत्रात वाढ होण्याशी आहे. २०१०—११ मध्ये ३७.२२ टक्के असलेल्या ओलिताखालील क्षेत्रात २०२०—२१ मध्ये ६१.४६ टक्के पर्यंत वाढ झाली.

निष्कर्ष—

१. गोंदिया जिल्हयातील जलसिंचन व पाण्याची उपलब्धता ही पावसाच्या पाण्यावर अवलंबून आहे.
२. भूजल साठा वाढविण्यासाठी जिल्हयातील माजी मालगुजारी व पाझर तलाव महत्वपूर्ण भूमिका बजावित आहेत.
३. गोंदिया जिल्हयातील सर्वाधिक लोकसंख्येला सामावून घेणारा शेती हा मुख्य व्यवसाय आहे.
४. अभ्यासक्षेत्रात ४ मोठे, ७ मध्यम १४९५ पाझर तलाव व इतर पाण्याच्या सोयीमुळे खरीप व रब्बी पिकांचे उत्पादन घेण्यास सहाय्यक ठरले आहेत.
५. गोंदिया जिल्हयातील सिंचनाचे स्त्रोत भूजल पातळी टिकवून ठेवण्यास साहाय्यक ठरले आहेत.
६. ओलिताखालील क्षेत्राची एकूण क्षेत्रफळाशी टक्केवारी २६.१६ टक्के आहे.
७. लागवडीलायक क्षेत्राची एकूण क्षेत्रफळाशी टक्केवारी ६१.४६ टक्के आहे.
८. गोंदिया जिल्हा हा तलावाचा जिल्हा म्हणून प्रसिद्ध असून राज्यातील सर्वात अधिक तलाव अभ्यासक्षेत्रात आहेत.
९. पाझर तलावांमुळे जिल्हयात पाण्याबरोबर वाहून जाणारी सुपिक मृदेचे संधारण झाले आहे.
१०. गोंदिया जिल्हयातील उपलब्ध शेती क्षेत्र, लोकसंख्येची निर्भरता आणि कृषि मालावर आधारीत उद्योग याचे महत्व लक्षात घेता प्रामुख्याने वैनगंगा, बाघ, बावनथडी, पांगोली, चुलबंद व गाढवी या नद्यांवर व त्यांच्या खोऱ्यांमध्ये लहान—मोठे सिंचन प्रकल्प निर्माण करायला वाव आहे.

संदर्भ—

१. जिल्हा सामाजिक व आर्थिक समालोचन जि. प. गोंदिया, वर्ष २०१०—११ व २०२०—२१
२. कार्यकारी अभियंता, बांध पाटबंधारे विभाग, जि.प. गोंदिया, वर्ष २०१०—११ व २०२०—२१
३. जिल्हा जलसंधारण अधिकारी, जि.प. गोंदिया, वर्ष २०१०—११ व २०२०—२१
४. अधिक्षक अभियंता महा. राज्य विज वितरण कंपनी मर्यादित गोंदिया, वर्ष २०१०—११ व २०२०—२१
५. दिनेश नखाते (१९९७) गोंदिया जिल्हा गौरव साप्ताहिक, गंगाभूमी, अमोल प्रिंटर्स, गोंदिया.
६. दैनिक व नियतकालिके

वेबसाईट:

1. http://www.gondia.nic.in
2. http://www.zpgondia.gov.in/htmldocs/mi_irri.html
3. https://mahades.maharashtra.gov.in/publications.do?pubId=DSA

''कुपोषण एक गंभीर समस्या छिंदवाड़ा जिले के विशेष संदर्भ में :

संध्या गजभिये
सहायक प्राध्यापक (गृह विज्ञान विभाग), राजमाता सिंधिया शास. स्ना. कन्या महा. छिंदवाड़ा (म. प्र.)
Corresponding Author- संध्या गजभिये
Email: sandhyagajbhiye2712@gmail.com
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सारांश :—

कुपोषण एक ऐसी स्थिति है जो अपर्याप्त पोषण के कारण उत्पन्न होती है। बाल्यावस्था का कुपोषण बालक के संपूर्ण जीवन को प्रभावित करता है, क्योंकि बाल्यवास्था मानव जीवन की प्रारंभिक अवस्था है, इस अवस्था में विकास की गति तीव्र होती है, एक पूर्णरूप से स्वस्थ बच्चे के मस्तिष्क का ८०: विकास तीन वर्ष से पहले ही पूर्ण हो जाता है। बच्चे के अच्छे स्वास्थ्य के लिये पौष्टिक एवं संतुलित आहार आवश्यक होता है। संतुलित आहार शरीर में पौष्टिक तत्वों की पूर्ति करता है व शरीर की वृद्धि एवं विकास करता है। परंतु यदि इस अवस्था में बच्चे को पौष्टिक आहार प्राप्त नहीं होता है, तो उसका शारीरिक, मानसिक एवं बौद्धिक विकास प्रभावित होता है। अपर्याप्त आहार एवं पौष्टिक तत्वों की कमी के कारण बच्चों का शारीरिक एवं मानसिक विकास अवरूद्ध हो जाता है। भारत वर्ष में बाल्यावस्था में कुपोषण का मुद्दा आज भी एक गंभीर समस्या बना हुआ है, कुपोषण के कारण प्रतिवर्ष कई बच्चे ५ वर्ष की आयु पूर्ण होने से पूर्व ही काल के गाल में समा जाते है।
शब्द कुंजी :— कुपोषण, बाल्यावस्था, रोग प्रतिरोधक क्षमता, संतुलित आहार, पौष्टिक तत्व।

प्रस्तावना :—

अनेक विकासशील देशों के लिये स्वास्थ्य एवं पोषण के क्षेत्र में कुपोषण एक गंभीर चुनौती है। कुपोषण के कारणों में सामाजिक एवं आर्थिक पहलुओं के साथ —साथ शिक्षा एवं स्वास्थ्य सेवाओं का अभाव एवं अप्रासंगिक सांस्कृतिक परंपराएँ एवं आचरण इत्यादि मुख्य है। उपरोक्त कारणों के अतिरिक्त आवश्यक पोषण आहार की अनुउपलब्धता का एक महत्वपूर्ण कारण गरीबी भी है। कुपोषण से जुड़े विभिन्न मुद्दो के निराकरण के लिए इससे जुड़े जटिल सामाजिक पहलुओं को मूल रूप से समझने की आवश्यकता है। सामान्यत: बच्चों में पोषण के स्तर से समाज के स्वास्थ्य एवं सामान्य रहन—सहन के स्तर का निर्धारण किया जाता है।

जिन देशों में सामाजिक एवं आर्थिक विकास की दर कम है, वहां पर शिशुओं में विशेषकर दो वर्ष से कम उम्र में कुपोषण अधिक पाया जाता है। एक अनुमान के अनुसार बच्चों के पोषण स्तर में सुधार लाकर प्रतिवर्ष लगभग १ करोड़ से अधिक शिशुओं की मृत्यु में कमी लाई जा सकती है। स्पष्ट है कि बच्चों के पोषण—स्तर के सुधार की दशा में किये जाने वाले प्रयास अति महव्वपूर्ण है। और उक्त सुधार निश्चित रूप से विकासशील देशों में समाज के हर वर्ग पर राजनैतिक, आर्थिक एवं सांस्कृतिक रूप से प्रभाव डालते है। विश्व के हर तीसरे कुपोषित बच्चे का जन्म—स्थल भारत है। भारत के लिए आवश्यक संतुलित आहार लंबे समय तक नहीं मिलना ही कुपोषण है। कुपोषण के कारण बच्चों और महिलाओं की रोग—प्रतिरोधक क्षमता कम हो जाती है। जिससे वे आसानी से कई तरह की बीमारियों के शिकार बन जाते है। पांच वर्ष तक के बच्चों की मृत्यु कुपोषण के कारण होती है। कुपोषण बच्चों में प्रतिरोधक क्षमता को कम करता है तथा बीमारी को और भी गंभीर बना देता है। यूनिसेफ एवं विश्व—स्वास्थ्य संगठन के अनुसार विश्व के विकासशील देशों में कुपोषण के प्रकार निम्न देखे जाते है:—

१. स्टंटिंग (बौनापन) :— बच्चे का कद उसकी आयु के अनुपात में कम होना बौनापन कहलाता है। यह स्थिति दीर्घकालीन कुपोषण के परिणाम स्वरूप उत्पन्न होती है इस कारण बच्चों में स्थायी एवं अपरिवर्तनीय शारीरिक एवं मानसिक क्षति होती है।

२. वेस्टिंग (दुबलापन) — बच्चे का वनज उसकी लंबाई के अनुपात में कम होता है यह स्थिति तब उत्पन्न होती है जब बच्चा बार—बार बीमार होता है और अचानक से उसके वजन में कमी देखी जाती है।

३. अण्डरवेट (कम—वजन) — उम्र के अनुपात में कम वनज होना कमभारिता कहलाता है। कुपोषण सभी आयु व वर्ग के व्यक्तियों को प्रभावित करता है, कुपोषण के कारण बहुत सी स्वास्थ्य समस्याएँ भी उत्पन्न होती है। कुपोषण के कारण बच्चे में पोषक तत्वों की कमी हो जाती है जिसके कारण कई रोग हो जाते है जैसे :—

क्वाशियॉरकर :— प्रोटीन की कमी के कारण एक से पाँच वर्ष के बच्चों में यह रोग हो जाता है। इस रोग में बच्चे का शारीरिक व मानसिक विकास रूक जाता है।

मरास्मस :— प्रोटीन व ऊर्जा की कर्मी के कारण छोटे बच्चों में यह रोग होता है। इसमें रोग में बच्चे का वजन कम होना, मांसपेशियों का क्षय, त्वचा झुर्रीदार, चेहरा बंदर के समान होना आदि लक्षण देखे जाते है।

रिकेट्स :— बच्चों के आहार में विटामिन डी, कैल्शियम एवं फास्फोरस की संयुक्त कमी होने पर रिकेटस रोग हो जाता है। इसमें बच्चों की अस्थियाँ कमजोर होकर विकृत हो जाती है।

रतौंधी :— यह रोग विटामिन 'ए' की कमी से होता है।

एनीमिया :— आहार में लोहतत्व, विटामिन सी, विटामिन डी १२ की कमी होने से छोटे बच्चों, गर्भवती नारियाँ एवं

धात्री महिलाओं में एनीमिया हो जाता है। कुपोषण से कोई भी आयु वर्ग अछूता नहीं है। सिर्फ बच्चे ही नहीं अपितु किशोर बालक, बालिकाएं, गर्भवती स्त्रियाँ एवं धात्री महिलाएं भी कुपोषण का शिकार है।

किशोर बालिकाएँ अपर्याप्त पोषण, बाल–विवाह एवं कम आयु में बच्चे पैदा रने की वजह से कुपोषित होती है। जिसके कारण आने वाली पीढ़ी भी प्रभावित होती है।

कुपोषण के कारण :–

१. कुपोषण शरीर में एक या एक से अधिक पोषक तत्वों की उपलब्धता न होने से होता है।

२. आहार में पोषक तत्वों की मात्रा कम लेने से।

३. टीकाकरण में देरी अथवा संपूर्ण टीकाकरण न करवाना।

४. स्तनपान और पूरक आहार में कमी।

५. बीमार बच्चों को समय पर उचित चिकित्सा नहीं मिल पाना।

६. बीमारी के दौरान उचित पौष्टिक आहार ना देना।

कुपोषण के लक्षण :–

यदि मानव शरीर को संतुलित आहार के जरूरी तत्व लम्बे समय न मिले तो निम्न लक्षण दिखते है जिनसे कुपोषण का पता चलता है।

१. शरीर की वृद्धि रूकना।

२. मांसपेशियाँ ढीली होना अथवा सिकुड़ जाना।

३. झुर्रियाँ युक्त पीले रंग की त्वचा।

४. कार्य करने पर शीघ्र थकान आना।

५. बाल रूखे व चमक रहित होना।

६. नींद तथा पाचन क्रिया का गड़बड़ होना आदि।

७. हाथ– पैर पतले और पेट बड़े होना या शरीर में सूजन आना।

गंभीर कुपोषण के लक्षण :–

१. बहुत पतला होना एवं बसा की अनुपस्थिति होना गंभीर क्षय।

२. ६ माह के बच्चों में ऊपरी भुजा के मध्य भाग की गोलाई (एम सी ए सी) यदि ११५ मि.मि. या ११.५ से.मी. से कम हो तो यह भी गंभीर कुपोषण का सूचक है।

३. कंधे, भुजाओं, पृष्ठो एवं जांघों की मांसपेशियों का नष्ट हो जाना अत्यंत पतला चेहरा दिखना।

अध्ययन का उद्देश्य :–

योजना का उद्देश्य यह है कि प्रदेश के बच्चों में व्याप्त कुपोषण को रोकने और इससे बचाव के लिए पांच वर्ष के बच्चों की मृत्यु दर को कम करने के लिए प्रमुख सहयोगियों के साथ मिलकर एक सशक्त संरचना तैयार की जायें। इसके लिए समन्वित, गंभीर प्रयास किए जाएंगे। योजना वर्तमान में प्रदाय की जा रही पोषण और स्वास्थ्य सेवाओं और उनके सभी घटकों जैसे – वित्तीय संसाधनों का सही और उचित समय पर उपयोग, लक्ष्य प्राप्ति के लिये अतिरिक्त संसाधनों को जुटाना आदि के सुदृढ़ीकरण पर भी ध्यान देगा।

कुपोषण एवं शिशु मृत्यु दर में कमी लाने के लिए राज्य शासन द्वारा किए गए प्रयास :–

पिछले कुछ वर्षो में म.प्र. शासन द्वारा कुपोषण एवं शिशु मृत्यु दर में कमी लाने हेतु अनेक प्रयास किये गये है। इन प्रयासों में प्ब्क्ै योजना एवं छत्भ्ड मिशन के माध्यम से किये जा रहे प्रयास रहे है।

आई.सी.डी.एस. के तहत उठाए गए कदम :–

१. आंगनवाड़ी चलो अभियान

२. बाल–संजीवनी अभियान

३. सांझा – चूल्हा

४. टेक होम राशन

५. मंगल दिवस कार्यक्रमों का आयोजन

६. प्रोजेक्ट शक्तिमान जागृति शिविर

७. गृह भेंट

राष्ट्रीय ग्रामीण स्वास्थ्य मिशन के तहत राज्य में उठाए गए कदम :–

१. शिशुओं में और छोटे बच्चों में स्तनपान को बढ़ावा देना।?

२. नवजान शिशु देखभाल ईकाई की स्थापना।

३. पोषण –पुनर्वास केन्द्र (एम.आर.सी.)

४. बाल – सुरक्षा माह

५. नवजात शिशु के लिए गहन चिकित्सा ईकाई।

६. ग्राम–स्वास्थ्य और पोषण दिवस।

७. बाल–शक्ति योजना।

बचाव :–

संतुलित आहार : बच्चों को सभी पोषक–तत्वों के संतुलित मात्रा में प्राप्त करने के लिए प्रोटीन, कार्ब्रोहाइड्रेट, विटामिन्स और मिनरल्स से भरपूर आहार प्रदान करें। प्रोटीन युक्त खाद्य पदार्थो में दूध, दही, अण्डे, मटर, दाल आदि शामिल हो सकते है। कार्ब्रोहाईड्रेट के स्त्रोत के रूप में अनाज, दलिया और रोटी दी जाती है।

अध्ययन का क्षेत्र :– छिंदवाड़ा जिला का परिचय –

छिंदवाड़ा, भारतीय राज्य मध्यप्रदेश का एक जिला है। इस क्षेत्र में छिंद (ताड़) के पेड़ बहुतायत में है, इसलिए इसका नाम छिंदवाड़ा पड़ा। एक समय यहाँ शेरों की बहुतायत थी, इसलिए इसे पहले ''सिंहवाड़ा'' भी कहा जाता था। ये तथ्य तथा अधिक मान्य नहीं कहा जा सकता किन्तु यानि देसी खजूर या ताड़ की बहुतायत क्षेत्र के नाम की सही व्याख्या कहीं जा सकती है।

गुरैया गाँव का परिचय :–

गुरैया मध्यप्रदेश के छिंदवाड़ा जिले की छिंदवाड़ा तहसील में स्थित एक बड़ा गाँव है। जिसमें कुल १३२१ परिवार रहते है। २०११ की जनगणना के अनुसार गुरैया, गांव की जनसंख्या ६१३७ है, जिसमें ३१३६ पुरूष है, जबकि ३००१ महिलाएँ है। गुरैया गांव में ०–६ आयु वर्ग

के बच्चों की जनसंख्या ८०० है, जो गांव की कुल जनसंख्या का १३ण०४: है। गुरैया गांव का औसत लिंग अनुपात ९५७ है, जो मध्यप्रदेश राज्य के औसत ९२१ से अधिक है। जनगणना के अनुसार गुरैया का बाल लिंग अनुपात ९७० है, जो मध्यप्रदेश के औसत ९१८ से अधिक है।

गुरैया गांव में साक्षरता दर मध्यप्रदेश की तुलना में है। २०११ में, मध्यप्रदेश के ६९ण३२: की तुलना में गुरैया गांव की साक्षरता दर ७५ण८१: थी। गुरैया में पुरूष साक्षरता दर ६६ण७४: है। एक आंगनवाड़ी जो गुरैया गावं की आंगनवाड़ी क्रमांक ५ के अंतर्गत आती है, वह १५०० की जनसंख्या पर कार्य करती है। ०–५ वर्ष तक के कुल बच्चे जिनमें बच्चों की संख्या १०३ है का मेरे द्वारा भ्रमण किया गया जिसमें १०३ बच्चों की कुल जनसंख्या में निम्नलिखित तालिका में अंकित बच्चे जिनमें ०२ बच्चे मध्यम गंभीर कुपोषित तथा ०७ बच्चे सामान्य थ। और ६० बच्चे ठिगनेपन से ग्रसित पाए गए।

क्र.	नाम	ऊँचाई	वजन	ग्रेड
1	परी/रोशन/ चन्द्रशेखर वानखेड़े	73 cm	6.6 Kg	सैम (अतिगंभीर कुपोषित)
2	नायरा/रोशन/ चन्द्रशेखर वानखेड़े	88 cm	9.5 kg	मैम (मध्यम श्रेणी कुपोषित)
3-	आराधना गायकवाड़	96.5 cm	9.3 kg	मैम
4-	हिमांशु साहू	92 cm	11.6 kg	मैम
5-	पिहू साहू	89 cm	10 kg	मैम
6-	रियांश चौकसे	80 cm	9.8 kg	मैम
7-	भव्य कराड़े	79 cm.	9.1 kg	सैम
8-	श्रेया मर्सकोले	87.2 cm	10.3 kg	मैम

निष्कर्ष :–

अध्ययन से ज्ञात हुआ है कि स्वास्थ्य के लिये ग्रामीण जनों को संपूर्ण सुविधाएं वहीं मिल पाती है, स्वास्थ्य सुविधाओं का स्तर उंचा उठाने के लिए शासन द्वारा कई योजनाएं चलाई जा रही है, पोषण पुनर्वास केन्द्र, आंगनवाड़ी केन्द्र, बालवाड़ी केन्द्र उनमें से एक है यह एक प्रमानुसार योजना है। सामान्यत: बच्चों में पोषण के स्तर से समाज के स्वास्थ्य एवं सामानय रहन–सहन के स्तर का निर्धारण किया जाता है। कुपोषण के कारणों में सामाजिक एवं आर्थिक पहलुओं के साथ शिक्षा एवं स्वास्थ्य सेवाओं का अभाव एवं अप्रासंगिक सांस्कृतिक परंपराएँ एवं आचरण इत्यादि मुख्य है। पोषण पुनर्वास केन्द्र का लाभ युक्तवर्गों में अधिक देखा गया है, उनके द्वारा शासन द्वारा चलाई जा रही स्वास्थ्य सुविचारों को उपयोग में लाया जा रहा है। शिक्षित व्यक्तियों के इस पोषण–पुनर्वास केन्द्र का अधिक से अधिक लाभ लिया जाता है शिक्षित व्यक्ति के द्वारा अन्य हितग्राहियों को भी योजना के बारे में अवगत किया जा रहा है जिससे ग्रामीण एवं शहरी क्षेत्र में हितग्राही की स्वास्थ्य स्थिति सुदृढ़ हो सके। इस प्रकार संपूर्ण अध्ययन से ज्ञात होता है कि पोषण–पुनर्वास योजना का लाीा आम ग्रामीणों के द्वारा अधिक से अधिक किया जाने लगा है, जिससे स्वास्थ्य सुविधाएँ एवं स्वास्थ्य स्तर को बढ़ावा मिलता है। पोषण पुनर्वास केन्द्र, बालवाड़ी केन्द्र, आंगनवाड़ी केन्द्रों का अपना अलग ही स्थान है। इस योजना से बच्चों की शारीरिक एवं मानसिक शक्ति में बढ़ावा मिला है।

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जलवायु परिवर्तन और पर्यावरण (भारत के संदर्भ में)

डॉ. एस. बी. विश्वकर्मा[१], कु. आकृति खरे[२]
[१]विभागाध्यक्ष, भूगोल विभाग, स्नातकोत्तर महाविद्यालय गढ़ाकोटा
[२]सहायक प्राध्यापक, भूगोल, शासकीय शासकीय स्नातकोत्तर महाविद्यालय गढ़ाकोटा
Corresponding Author- डॉ. एस. बी. विश्वकर्मा
Email – drsunilbabu11@gmail.com
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सार –

वर्तमान में मानवता के आगे सबसे बड़ी चुनौती जलवायु परिवर्तन की है यह एक ऐसी समस्या है जिसकी कोई सीमा नहीं है यह पूरे विश्व को प्रभावित कर रही है विनाशकारी बाढ़ से लेकर समुद्र के बढ़ते स्तर तक जलवायु परिवर्तन से पूरी दुनिया को खतरा है। परिवर्तन प्रकृति का नियम है अगर जलवायु परिवर्तन की प्रक्रिया न होती तो सूर्य से निकली यह पृथ्वी आग का गोला बनी रहती न तो शीतलन की प्रक्रिया होती न तो हिम युग आते और ना ही जीवन की उत्पत्ति होती लेकिन जब परिवर्तन की गति अस्वाभाविक रूप से बढ़ने लगे तो वह न केवल मानव जीवन बल्कि धरती के समूचे जल, थल और अनेक नभचरों के अस्तित्व के लिए खतरा बन जाती है इस गंभीर चुनौती के लिए मानव जनित क्रियाकलाप ही प्रमुख कारक हैं। जलवायु कई सालों में किसी क्षेत्र के औसत मौसम को कहते हैं और जब उन परिस्थितियों में औसत बदलाव आता है तो इसे जलवायु परिवर्तन कहते हैं जलवायु परिवर्तन प्राकृतिक व मानव जनित हो सकता है प्राकृतिक कारकों में महाद्वीपीय बहाव , ज्वालामुखी प्रक्रिया तथा पृथ्वी की कक्षा में परिवर्तन शामिल है लेकिन प्राकृतिक कारकों में जलवायु परिवर्तन की गति बहुत धीमी होती है जबकि मानव जनित कारकों में ग्रीन हाउस गैस वायुमंडलीय एरोसोल, भूमि–उपयोग पैटर्न मैं बदलाव आदि शामिल है मानव जनित कारकों से जलवायु परिवर्तन तीव्र गति से होता है औद्योगिक क्रांति के बाद जलवायु परिवर्तन तीव्र हो गया है। स्वतंत्र क्लाइमेट एक्शन ट्रैकर ग्रुप २०२१ की रिपोर्ट के अनुसार इस सदी के अंत तक दुनिया २.४ डिग्री सेल्सियस वार्मिंग की ओर बढ़ रही है।

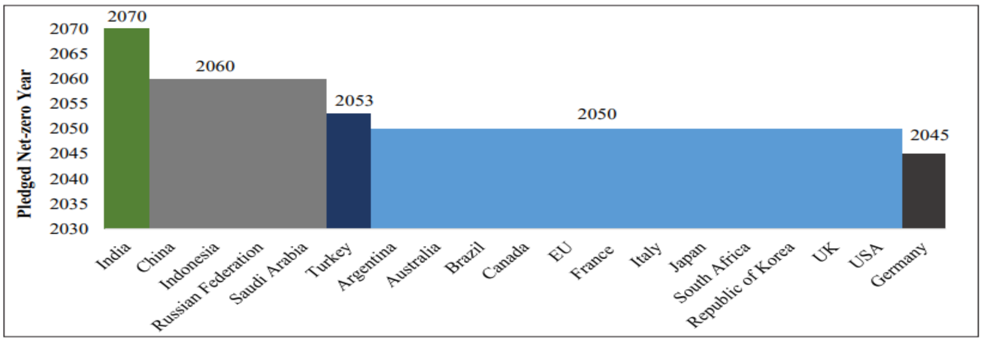
मुख्य शब्द – जलवायु परिवर्तन, बाढ़, हिम युग, मानव जनित क्रियाकलाप, मौसम, ग्रीन हाउस गैस, औद्योगिक क्रांति, महाद्वीपीय बहाव , ज्वालामुखी प्रक्रिया, वायुमंडलीय एरोसोल।

विश्व में तीव्र जलवायु परिवर्तन के साक्ष्य

जलवायु परिवर्तन में बदलाव मानवीय गतिविधियों द्वारा घरों, कारखानों और परिवहन के लिए तेल , गैस और कोयले का उपयोग करने की वजह से होता है जब भी जीवाश्म ईंधन जलते हैं तो वे ग्रीन हाउस गैस छोड़ते हैं जिसमें ज्यादातर कार्बन डाइऑक्साइड गैस होती है यह धरती के सुरक्षा कवच का काम करने वाली ओजोन परत को नुकसान पहुंचा रही है, ओजोन परत में छेद होने की वजह से सूर्य की गर्मी धरती पर जरूरत से ज्यादा पहुंचती है और इससे धरती का तापमान बढ़ रहा है । १९ वीं शताब्दी के बाद पृथ्वी की औसत सतह का तापमान लगभग ०.९ डिग्री सेल्सियस बढ़ गया है, यह परिवर्तन मुख्य रूप से वायुमंडल में कार्बन डाइऑक्साइड और अन्य मानव निर्मित उत्सर्जन में वृद्धि के कारण हुआ है, साथ ही महासागरों ने बड़ी हुई गर्मी का अधिकांश भाग अवशोषित कर लिया है, समुद्र की ऊपरी सतह लगभग ७०० मीटर में १९६९ के बाद से १.५ डिग्री सेल्सियस से अधिक की वृद्धि देखी गई है। ग्रीनलैंड और अंटार्कटिका की बर्फ की चादरों का द्रव्यमान कम हो गया है नासा के ग्रेविटी रिकवरी एंड क्लाइमेट एक्सपेरिमेंट के डेटा से पता चलता है कि १९९३ और २०१६ के बीच ग्रीनलैंड में प्रतिवर्ष औसतन २८६ बिलियन टन बर्फ हट चुकी है जबकि इसी अवधि के दौरान अंटार्कटिका में प्रतिवर्ष १२७ बिलियन टन बर्फ हट चुकी है। दुनिया में लगभग हर जगह ग्लेशियर पीछे हट रहे हैं जिसमें आल्पस, हिमालय, एंडीज, अलास्का, रॉकी शामिल है। समुद्र के तल में २० सेंटीमीटर की वृद्धि हो रही है जिससे तटवर्ती इलाकों में समस्या उत्पन्न हो रही है। औद्योगिक क्रांति की शुरुआत के बाद से, सतही महासागरीय जल की अम्लता लगभग ३० प्रतिशत बढ़ गई है। यह वृद्धि मनुष्यों द्वारा वायुमंडल में अधिक कार्बन डाइऑक्साइड उत्सर्जित करने और इस कार्बन डाइऑक्साइड का महासागरों में अवशोषित होने का परिणाम है। जलवायु परिवर्तन के कारण लंबे समय तक चलने वाली हीट वेव्स , जंगलों में लगने वाली आग के लिए उपर्युक्त गर्म और शुष्क परिस्थितियां पैदा की है।

जलवायु परिवर्तन से जुड़ी अधिकांश वैश्विक चिंता विशेष रूप से ग्रीनहाउस गैसों और कार्बन से होने वाले उत्सर्जन के बारे में है। जितना अधिक ग्रीनहाउस गैसों का उत्सर्जन होता है, उतना ही अधिक वे वातावरण में बने रहते हैं, जिससे ग्लोबल वार्मिंग में वृद्धि होती है।

चित्र VII.1: विभिन्न देशों (प्रतिज्ञा वर्ष दंडा रेख के ऊपर है) की निवल शून्य प्रतिज्ञा



स्रोत: इमिशन गैप रिपोर्ट, 2022 युएनईपी

ग्लोबल वार्मिंग में वृद्धि को कम करने के लिए कार्बन सहित जीएचजी के उत्सर्जन को कम करने का प्रयास किया जा रहा है। इस ग्राफ के माध्यम से विभिन्न राष्ट्रों की निवल शून्य प्रतिज्ञा को दिखाया गया है । जिसमें कुछ राष्ट्रों ने वर्ष २०५० तक अपने निवल गैस उत्सर्जन को शून्य तक कम करने की प्रतिज्ञा की है। तो कुछ राष्ट्र इसे वर्ष २०६० और २०७० तक हासिल करना चाहते हैं।

जलवायु परिवर्तन का भारत पर प्रभाव

जलवायु परिवर्तन भारत के प्राकृतिक पर्यावरण, अर्थव्यवस्था और समाज को बढ़ती हुई आवृत्ति और तीव्रता के साथ प्रभावित कर रहा है । लू , बाढ़, सूखा, मानसून और घटता भूजल भंडार कुछ ऐसी चरम घटनाएं हैं जिनका भारत आज सामना कर रहा है। जलवायु परिवर्तन कृषि, जल संसाधन, वन और जैव विविधता, स्वास्थ्य , तटीय प्रबंधन और तापमान में वृद्धि पर कई प्रतिकूल प्रभाव से जुड़ा है।

भारत में तापमान में वृद्धि:

१९०१–२०१८ के दौरान भारत का औसत तापमान लगभग ०.७ सेन्टिग्रेट बढ़ गया है । तापमान में यह वृद्धि मुख्य रूप से जी.एच.जी प्रेरित वार्मिंग के कारण है जो आंशिक रूप से मानव जनित एरोसोल और एलयूएलसी में परिवर्तन के कारण हुई है। २१वीं सदी के अंत तक आरसीपी ८.५ परिदृश्य के तहत भारत में औसत तापमान हाल के अतीत (१८७६) की तुलना में लगभग ४.४ डिग्री सेल्सियस बढ़ने का अनुमान है । हाल की ३० वर्ष की अवधि (१९८६–२०१५) में वर्ष के सबसे गर्म दिन और सबसे ठंडी रात के तापमान में ०.६३ डिग्री सेन्टिग्रेट एवं ०.४ डिग्री सेन्टिग्रेट की वृद्धि हुई है । २१वीं सदी के अंत तक आरसीपी ८.५ सेन्टिग्रेट के तहत इन तापमानों मे हाल के दिनों (१८७६–२००५) के अनुरूप तापमान के सपेक्ष लगभग ४.७ डिग्री सेल्सियस और ५.५ डिग्री सेल्सियस की वृद्धि होने का अनुमान है । २१ वीं सदी के अंत तक आरसीपी ८.५ परिदृश्य के तहत १८७६–२००५ की संदर्भ अवधि के सापेक्ष गर्म दिनों और गर्म रातों की आवृत्ति में क्रमशः ५५ प्रतिशत और ७०: की वृद्धि होने का अनुमान है । १८७६–२००५ बेस लाइन अवधि की तुलना में आरसीपी ८.५ परिदृश्य के तहत २१वीं सदी के अंत तक भारत में गर्मी की लहरों की आवृत्ति ३ से ४ गुना अधिक होने का अनुमान है । गर्मी की लहर की घटनाओं की औसत अवधि भी लगभग दोगुनी होने का अनुमान है ।

हिंद महासागर का गर्म होना –

१९९१–२०१५ के दौरान उष्ण कटिबंधीय हिंद महासागर की समुद्री सतह का तापमान एसएसटी औसत १ डिग्री सेल्सियस बढ़ गया है जो इसी अवधि में वैश्विक औसत एसएसटी तापमान ०.७ डिग्री सेल्सियस से काफी अधिक है । पिछले ६ दशकों १९५५–२०१५ में उष्ण कटिबंधीय हिंद महासागर के ऊपरी ७०० मीटर (ओएचसी ७००) में समुद्री ताप सामग्री में भी वृद्धि देखी गयी है । पिछले दो दशकों (१९९८–२०१५) में उल्लेखनीय रूप से अचानक वृद्धि देखी गयी है ।२१वीं सदी के दौरान उष्ण कटिबंधीय हिंद महासागर में एसएसटी और समुद्री ताप सामग्री में वृद्धि जारी रहने का अनुमान है ।

वर्षा में परिवर्तन –

भारत में ग्रीष्म कालीन मानसून वर्षा (जून से सितम्बर) में १९५१ से २०१५ तक लगभग ६ प्रतिशत की गिरावट देखी गयी है। जिसमें भारत–गंगा के मैदानों और पश्चिमी घाटों में उल्लेखनीय कमी आई है । कई डेटा सेट और जलवायु मॉडल सिमुलेशन के आधार पर एक उभरती हुई आम सहमति है कि उत्तरी गोलार्द्ध पर मानवजनित एयरोसोल फोर्सिंग के विकरण प्रभावों ने जीएचजी वार्मिंग से अपेक्षित वर्षा वृद्धि को काफी हद तक कम कर दिया है और ग्रीष्मकालीन मानसून वर्षा में देखी गयी गिरावट में योगदान दिया है । हाल की अवधि में अधिक बार शुष्क दौर १९५१–१९८० की तुलना में १९८१–२०११ के दौरान २७ प्रतिशत से अधिक और ग्रीष्म मानसून के मौसम के दौरान अधिक तीव्र गीले दौर की ओर बदलाव हुआ है । वायुमंडलीय नमी की मात्रा में वृद्धि के जवाब में दुनियाभर में स्थानीय कृत्य भारी वर्षा की घटनाओं में वृद्धि हुई है । मध्य भारत में १९५०–२०१५ के दौरान प्रतिदिन १५० मिमी. से अधिक वर्षा की तीव्रता के साथ दैनिक वर्षा की आवृत्ति में लगभग ७५ प्रतिशत वृद्धि हुई है ।

सूखे पिछले ६–७ दशकों के दौरान मौसमी ग्रीष्मकालीन मानसून वर्षा में कुल कमी के कारण भारत में सूखे की प्रवृत्ति बढ़ गयी है । १९५१–२०१६ के दौरान सूखे की

आवृत्ति और स्थानिक सीमा और दोनो में उल्लेखनीय वृद्धि हुई है । विशेष रूप से मध्य भारत दक्षिण पश्चिमी तट,दक्षिणी प्रायद्वीपीय और उत्तर–पूर्वी भारत के क्षेत्रों में इस अवधि के दौरान प्रतिदशक औसतन २ से अधिक सूखे का अनुभव हुआ है । इसी अवधि में सूखे से प्रभावित क्षेत्र में भी प्रतिदशक १.३ प्रतिशत की वृद्धि हुई है । जलवायु मॉडल अनुमान आरसीपी ८.५ परिदृश्य के तहत २१वीं सदी के अंत तक भारत में सूखे की स्थिति के तहत आवृत्ति प्रतिदशक दो घटनायें तीव्रता और क्षेत्र में वृद्धि की उच्च संभावना का संकेत देते है जो कि बढ़ी हुई परिवर्तनशीलता में परिणामस्वरूप है ।

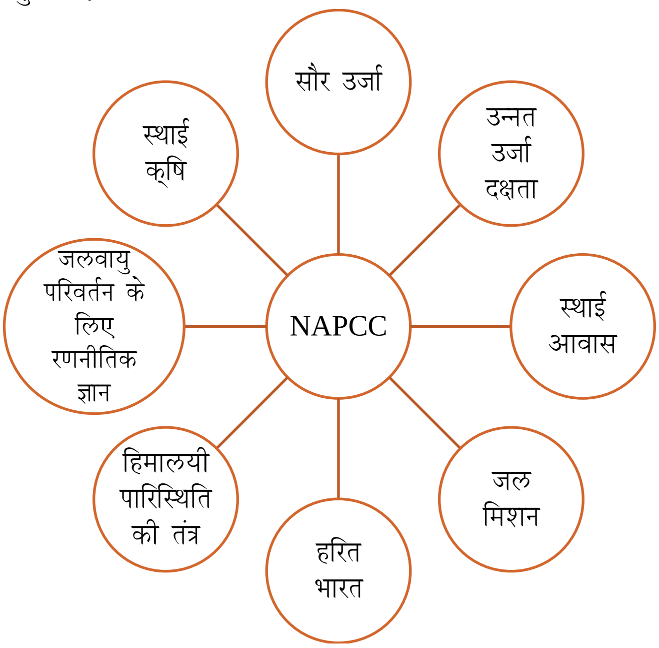
समुद्रतल में वृद्धि ग्लोबल वार्मिंग की प्रतिक्रिया में महाद्वीपीय वर्फ के पिघलने और समुद्र के पानी के थर्मल विस्तार के कारण विश्व स्तर पर समुद्र का स्तर बढ़ गया है । उत्तरी हिंद महासागर (एनआईओ) में समुद्र के स्तर में वृद्धि १८७४–२००४ के दौरान प्रतिवर्ष १.०६–१.७५ मिमी. की दर से हुई और पिछले ढाई दशकों (१९९३–२०१७) में प्रति वर्ष ३.३ मिमी. तक बढ़ गयी है जो वैश्विक औसत समुद्र–स्तर वृद्धि की वर्तमान दर के बराबर है । २१वीं सदी के अंत में आरसीपी ४.५ परिदृश्य के तहत एनआईओ में स्थिर समुद्र स्तर १९८६–२००५ के औसत के सापेक्ष लगभग ३०० मिमी. बढ़ने का अनुमान है ।

उष्ण कटिबंधीय चक्रवात २०वीं सदी के मध्य १९५१–२०१८ के बाद एनआईओ बेसिन पर उष्ण कटिबंधी चक्रवातों की वार्षिक आवृत्ति में उल्लेखनीय कमी आई है । इसके विपरीत पिछले दो दशकों (२०००–२०१८) के दौरान मानसून के बाद के मौसम में बहुत गंभीर चक्रवाती तूफान की आवृत्ति में काफी वृद्धि हुई है ।

हिमालय में परिवर्तन १९५१–२०१४ के दौरान हिंदु कुश हिमालय (एचकेएच) के तापमान में लगभग १.३ डिग्री सेल्सियस की वृद्धि देखी गयी । एचकेएच के कई क्षेत्रों में हाल के दशकों में वर्फवारी और ग्लेशियरों के पीछे हटने की प्रवृत्ति में गिरावट देखी गयी है । २१ वीं सदी के अंत तक आरसीपी ८.५ परिदृश्य के तहत एचकेएच पर वार्षिक औसत सतह तापमान में लगभग ५.२ डिग्री सेल्सियस की वृद्धि होने का अनुमान है ।

जलवायु परिवर्तन पर भारत के प्रयास

- **जलवायु परिवर्तन पर राष्ट्रीय कार्य योजना (एनएपीसीसी) :** जलवायु शमन और अनुकूलन को संबोधित करने वाली मौजूदा और भविष्य की नीतियों और कार्यक्रम की रूपरेखा बनाती है साथ ही आठ प्रमुख राष्ट्रीय मिशनों की पहचान करती है –



- **राष्ट्रीय स्वच्छ ऊर्जा कोष–** भारत सरकार ने देश में स्वच्छ ऊर्जा के क्षेत्र में स्वच्छ ऊर्जा पहल और वित्त अनुशासन को वित्तपोषित करने और बढ़ावा देने के लिए २०१० में राष्ट्रीय स्वच्छ ऊर्जा कोष (एनसीईएफ) बनाया गया । घरेलू स्तर पर उत्पादित या आयातित कोयले पर प्रतिदान ₹५० (बाद में २०१४ में इसे बढ़ाकर ₹१०० कर दिया गया) का उपकर लगाकर फंड कोष बनाया गया।
- **पेरिस समझौता :** पेरिस समझौते के तहत भारत में तीन प्रतिबद्धताएं की हैं भारत की सकल घरेलू उत्पाद की ग्रीनहाउस गैस उत्सर्जन तीव्रता २०३० तक २००५ की स्तर से ३३–३५ प्रतिशत तक कम हो जाएगी। इसके साथ ही भारत की ४० प्रतिशत बिजली क्षमता गैर जीवाश्म ईंधन स्रोतों पर आधारित होगी। साथ ही भारत २०३० तक अतिरिक्त वन और वृक्ष आवरण के माध्यम से २.५ से ३ बिलियन टन ब्ω के बराबर कार्बन सिंक बनाएगा।

- **अंतर्राष्ट्रीय सौर गठबंधन :** आईएसए को ३० नवंबर २०१५ को पेरिस में संयुक्त राष्ट्र संघ जलवायु परिवर्तन सम्मेलन में भारत और फ्रांस द्वारा संयुक्त राष्ट्र संघ की पूर्व महासचिव श्रीवान की मून की उपस्थिति में लॉन्च किया गया।
- **भारत स्टेज (बीएस) उत्सर्जन मानदंड –** वाहनों से उत्सर्जन वायु प्रदूषण की शीर्ष योगदानकर्ताओं में से एक है जिसके कारण सरकार ने अप्रैल २००० से बीएस–१ (भारत स्टेज) वाहन उत्सर्जन मानदंड लागू किए, जिसक बाद २००५ में बीएस–ळ लागू किया गया । २०१० में बीएस–ळळ को देशभर में लागू किया गया। हालांकि २०१६ में सरकार ने बीएस–ट को पूरी तरह छोड़कर बीएस–टप् मानदंडो को अपनाने का निर्णय लिया।

भारत का राष्ट्रीय स्तर पर निर्धारित अद्यतन योगदान (एनडीसी)

भारत ने अपना पहला एनडीसी अक्टूबर २०१५ में यूएनएफसीसीसी को प्रस्तुत किया। इसे अगस्त २०२२ में अद्यतन किया गया था। वर्ष २०१५ के एनडीसी में आठ लक्ष्य शामिल हैं । जो इस प्रकार है ।

१. जलवायु परिवर्तन का सामना करने के एक महत्वपूर्ण साधन के रूप में 'एलआईएफई (लाइफ)–''पर्यावरण के लिए जीवन शैली'' के लिए एक जन आंदोलन के माध्यम से परंपराओं और संरक्षण और संयम के मूल्यों पर आधारित जीवन जीने के एक स्वस्थ और स्थायी तरीके को आगे बढ़ाने और इसे प्रचारित करना।

२. अब तक आर्थिक विकास के तदनुरूपी स्तर पर दूसरों द्वारा अपनाए गए पथ की तुलना में जलवायु–अनुकूल और स्वच्छ पथ को अपनाना।

३. वर्ष २००५ के स्तर से वर्ष २०३० तक अपने सकल घरेलू उत्पाद की उत्सर्जन की मात्रा को ४५ प्रतिशत तक कम करना।

४. ग्रीन क्लाइमेट फंड (जीसीएफ) सहित प्रौद्योगिकी के हस्तांतरण और कम लागत वाले अंतर्राष्ट्रीय वित्त की मदद से वर्ष २०३० तक गैर–जीवाश्म ईंधन–आधारित ऊर्जा संसाधनों से लगभग ५० प्रतिशत संचयी विद्युत ऊर्जा संस्थापित क्षमता प्राप्त करना।

५. वर्ष २०३० तक अतिरिक्त वन और वृक्षों के आच्छादन के माध्यम से २.५ से ३ बिलियन टन ब्व२ (कार्बन डाइ ऑक्साइड) के बराबर अतिरिक्त कार्बन सिंक बनाना।

६. जलवायु परिवर्तन के प्रति संवेदनशील क्षेत्रों, विशेष रूप से कृषि, जल संसाधन, हिमालयी क्षेत्र, तटीय क्षेत्रों, और स्वास्थ्य और आपदा प्रबंधन के विकास कार्यक्रमों में निवेश को बढ़ाकर जलवायु परिवर्तन हेतु बेहतर अनुकूलन करना।

७. आवश्यक संसाधन और संसाधन अंतराल को ध्यान में रखते हुए उपरोक्त शमन और अनुकूलन कार्रवाईयों को लागू करने के लिए विकसित देशों से घरेलू और नई तथा अतिरिक्त धनराशि जुटाना।

८. भारत में अत्याधुनिक जलवायु प्रौद्योगिकी के त्वरित प्रसार के लिए और भविष्य की ऐसी प्रौद्योगिकियों के लिए संयुक्त सहयोगी अनुसंधान एवं विकास की क्षमताओं का निर्माण और घरेलू ढांचा और अंतर्राष्ट्रीय वास्तुकला तैयार करना।

जलवायु परिवर्तन के प्रभाव को कम करने के लिए इन सभी प्रयासों को अच्छी तरह से लागू करने की आवश्यकता है।

निष्कर्ष :

भारत दुनिया की सबसे महत्वकांक्षी स्वच्छ ऊर्जा परिवर्तनों में से एक का नेतृत्व कर रहा है और जलवायु परिवर्तन का सामना करने की अपनी प्रतिबद्धता में बना हुआ है अर्थव्यवस्था पर कोविड–१९ के प्रतिकूलन प्रभावों के बावजूद भारत ने अपनी जलवायु आकांक्षा को कई गुना बढ़ा दिया है और बहुआयामी दृष्टिकोण अपनाकर कम जीएचजी उत्सर्जन विकास रणनीति की दिशा में एक दीर्घकालिक रणनीति शुरू की है। हरित हाइड्रोजन जैसे होनहार तकनीकी नवाचारों को लागू करने के लिए पारिस्थितिकी तंत्र में सुधार करने के उद्देश्य से ऊर्जा संरक्षण योजना को कई नीतियों द्वारा पूरा किया जा रहा है। देश ने नई तकनीकी के विकास और इसे अपनाने में सहायता के लिए विनियामक मानकों को लगाकर संशोधित किया जा रहा है। नीति स्तरीय हस्त परीक्षण हस्तक्षेपो को अपनाया जा रहा है।

ऊर्जा परिवर्तन पर भारत की प्रगति को इस तथ्य से समझा जा सकता है कि इसने अपने अघतन एनडीसी मैं अपनी गैर–जीवाश्म ईंधन आधारित क्षमता लक्ष्य को ५० प्रतिशत तक बढ़ा दिया क्योंकि पहले एनडीसी के ४० प्रतिशत का लक्ष्य काफी पहले ही प्राप्त कर लिया था · भारत ने अब तक अपने दम पर जलवायु कार्यवाई की है तो बड़े पैमाने पर जलवायु उपायों की बड़ी हुई उम्मीदों को वित्त , प्रौद्योगिकी हस्तांतरण और क्षमता निर्माण सहायता सहित कार्यान्वयन के साधन प्रदान करने के मामले में विकसित देशों द्वारा की गई पहल के बराबर होना चाहिए।

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संयुक्त राष्ट्र संघटना सिद्धांत आणि व्यावहार

डॉ. सविता शिवनाथ झुंजारे

राज्यशास्त्र विभाग, शरदचंद्र पवार कला वाणिज्य व विज्ञान महाविद्यालय सोलापूर

Corresponding Author- डॉ. सविता शिवनाथ झुंजारे

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प्रस्तावना:-

संयुक्त राष्ट्र संघटनेच्या निर्मितीचा मुख्य उद्देश, सिद्धांत आणि व्यावहार पाहता जागतिक पातळीवर शांतता ,सुव्यवस्था निर्माण करून परस्सपर सहकार्यातून युद्ध आणि संघर्षाचा नायनाट करणे, राष्ट्र - राष्ट्रांमध्ये मित्रत्वाचे संबंध प्रस्थापित करणे, मानवी जीवनाचे संरक्षण करणे यासारखे प्रश्न सलोख्याने सोडविणे , राष्ट्रीय सहकार्याची भावना निर्माण करणे,मानवी हक्क व स्वातंत्र्याची जोपासना करणे, मानवाच्या विकासासाठी मदत पुरवणे, शाश्वत विकास संवर्धनासाठी कार्य करणे, जागतिक कायद्याचे अन्वयन करणे,या उदांत दृष्टिकोनातून उदयास आलेली जागतिक स्तरावर सिद्धांत आणि व्यवहारानुसार कार्य करणारी संघटना म्हणजे संयुक्त राष्ट्र संघटना होय.

प्रथम व द्वितीय विश्व युद्धः-

प्रथम व द्वितीय विश्व युद्धामुळे जागतिक क्षेत्रात झालेल्या दुष्परिणामातून निष्पाप मानव प्रचंड दुःख ,दारिद्र्य, उपासमार रोगराईच्या समस्याचा सामना करू लागले. अशा समस्या जागतिक पटलावर पुन्हा उद्भवनार नाहीत.हाच उद्देश साध्य करण्यासाठी २४आक्टोबर १९४५ रोजी संयुक्त राष्ट्र संघटना उदयास येऊन काही महत्त्वाच्या अंगाची स्थापना करून त्या मार्फत संघटनेचे उद्देश साध्य करण्याचा सातत्याने प्रयत्न करीत आहे. यामध्ये आमसभा, सुरक्षा परिषद, आर्थिक आणि सामाजिक परिषद, विश्वस्त परिषद ,आंतरराष्ट्रीय न्यायालय आणि सचिवालय या संयुक्त राष्ट्राच्या प्रमुख घटक संस्था उभारण्यात आलेल्या आहेत. आता पुन्हा एकदा नको तर शांतता हवी या दृष्टिकोनातून जगातील काही महाशक्तीशाली राष्ट्रांनी एकत्रित येऊन या संघटनेची स्थापना केली. यासाठी इंग्लंडचे पंतप्रधान चर्चिल आणि अमेरिकेचे राष्ट्राध्यक्ष फ्रँकलिन डी रुझवेल्ट यांच्या पुढाकाराने या संघटनेची स्थापना करण्यात आली. या संघटनेचे महत्त्वाचे ब्रीद वाक्य म्हणजे "युद्धाऐवजी शांतता" हे असल्यामुळे या संकल्पनेशी बांधील राहून ही जागतिक स्तरावर शांततेसाठीच कार्य करीत आहे. ही संघटना वाढता दहशतवाद, शस्त्र निर्मिती , युद्ध ,संघर्षाच्या विरोधात शांतता ,सहकार्य, विकास यावर अधिक लक्ष केंद्रित करून मानवी हक्काची पायमली होणार नाही या दृष्टिकोनातून ही संघटना आजपर्यंत महत्त्वपूर्ण भूमिका बजावत आहे. यात भारतासारखा लोकशाही प्रधान राष्ट्र संयुक्त राष्ट्र संघटनेच्या सकारात्मक कार्यास सातत्याने पाठीशी राहीलेला दिसून येतो. पंडित नेहरू ते नरेंद्र मोदीनी सुद्धा या संघटनेला शांतता, सहकार्य, विकास याकरिता पाठिंबा दिलेला आहे. संयुक्त राष्ट्र संघटना ही एक अशी यंत्रण आहे की जी यंत्रणा प्रत्येक क्षेत्रात अतिशय महत्त्वाची भूमिका बजावून निर्माण झालेले समस्या पुन्हा निर्माण होऊ नयेत त्या दृष्टिकोनातूनच कार्य करण्यावर अधिक भर देत आहे.

संघटनेची ऐतिहासिक पार्श्वभूमी:

संयुक्त राष्ट्र संघटनेच्या स्थापनेच्या निर्मितीचा नेमका इतिहास काय आहे? कोणती राष्ट्र पुढाकार घेतली आहेत? कोणते उद्देश डोळयासमोर ठेवून सर्वानुमत झाले? जगातील किती सदस्य राष्ट्र संघटनेच्या निर्मितीच्या वेळी उपस्थित होती ? कोनत्या राष्ट्रांना अधिक महत्त्व दिले गेले ? संघटना स्थापन करण्याच्या दृष्टिकोनातून कोणत्या राष्ट्राच्या राष्ट्र प्रमुखांनी पुढाकार घेऊन कोण कोणत्या ठिकाणी बैठका, संमेलने, परिषदा, घेऊन अंतिम या संघटनेची सनद तयार करण्यात सार्वामत झाले. याचा अभ्यास करणे महत्त्वाचे आहे.

द्वितीय महायुद्ध :-

द्वितीय महायुद्ध सुरू असताना युरोपातील काही राष्ट्रांनी नवीन जागतिक संघटना स्थापन करण्याचे ठरविले. तत्कालीन अमेरिकन राष्ट्राध्यक्ष वुड्रो विल्सन यांनी निर्माण केलेल्या 14 कलमी तत्त्वाचा आधार घेत निर्माण करण्यात झालेला राष्ट्रसंघ अनेक कारणामुळे अपयशी ठरला. आता पुन्हा तसे होणार नाही या दृष्टिकोनातून मित्र राष्ट्रांनी राष्ट्रसंघाचे संयुक्त राष्ट्रसंघ ही आंतरराष्ट्रीय संस्था व्यक्तीचे अधिकार, स्वातंत्र्य यांच्या रक्षणार्थ आणि युद्धाऐवजी

शांतता निर्माण करण्याच्या उद्देशाने निर्माण करण्याचे ठरविले. अर्थात संयुक्त राष्ट्र संघाची निर्मिती एकाएकी झालेली नसुन तीला अनेक प्रक्रियेतून बैठका,परिषदा,करार आणि मसुद्यांच्या प्रयत्नातून या संघटनेची स्थापना करण्यात आली. या संघटनेच्या निर्मितीसाठी संघटनेची रूपरेखा कोणत्याही एका व्यक्तीने तयार केलेली नाही परंतु ही संघटना स्थापनेसाठी विशेष श्रेय इंग्लंडचे पंतप्रधान विन्स्टन चर्चिल आणि अमेरिकेचे राष्ट्राध्यक्ष फ्रँकलिन डी. रूझवेल्ट यांना दिले जाते. या दोन प्रमुख राष्ट्रांच्या राष्ट्र प्रमुखांनी प्रथमतः संयुक्त राष्ट्राची संघटना निर्माण करण्यासाठी सेंड जेम्स राजवाड्यात प्रथम बैठक घेतली ती महत्त्वाची ठरली.द्वितीय महायुद्धाच्या कालखंडात जर्मनी व इटली यांच्या आक्रमणामुळे ग्रीस ,बेल्जियम ,झेकोस्लोव्हाकीया नेदरलँड ,नार्वे ,पोलंड आणि युगोस्लोव्हाकीया या निर्वासित राज्यांचे प्रतिनिधी सेंट जेम्स राजवाड्यात एकत्रित आले . त्यांनी एका जाहीरनाम्यावर १२ जून १९४१ रोजी सह्या केल्या. या बैठकीतून जागतिक शांततेची तीव्र इच्छा सर्व राष्ट्राच्या सदस्यांनी मिळून व्यक्त केली. त्यांच्या या तीव्र इच्छेच्या घोषणेवर सर्वांचे एकमत झाले. ही घोषणा म्हणजेच शांततेसाठी संयुक्त राष्ट्राच्या स्थापनेच पहिलं पाऊल होय.त्यानंर काही दिवसांनी अटलांटिक समुद्रावर इंग्लंडचे पंतप्रधान विस्टन चर्चिल व अमेरिकेचे राष्ट्राध्यक्ष फ्रँकलिन डी. रुजवेल्ट हे एकमेकांना एका युद्धनौकेवर भेटले रूझवेल्ट यांनी त्यावेळी **"संयुक्त राष्ट्र "** हा शब्द प्रथम वापरला. या घोषणेस **"वार टाईम स्टेटमेंट"**असे म्हटले जाते. या अटलांटिक समुद्रातील युद्धनौकेवर भेटल्यानंतर एक त्यांनी सनद जाहीर केली.त्यास अटलांटिक सनद म्हणून प्रसिद्ध आहे. हुकूमशाही वृत्तीला पायबंद घालण्यासाठी ही सनद महत्वाची ठरली.

सेंट जेम्स राजवाड्यातील घोषणा:-

सेंट जेम्स राजवाड्यात झालेली बैठकीतील घोषणा आणि **अटलांटिक सागरात झालेली सनद** या दोन्ही चा आधार तिसरा टप्पा हाती घेण्यात आला तो म्हणजे **संयुक्त राष्ट्र संघाचे घोषणापत्र** होय.१जानेवारी १९४२ रोजी अमेरिकेच्या वाईट हाऊस मध्ये तत्कालीन अमेरिकेचे राष्ट्राध्यक्ष रुझवेल्ट आणि इंग्लंडचे पंतप्रधान विन्स्टन चर्चिल यांच्यासोबत सोवियत संघ आणि चीनचे प्रतिनिधी संयुक्त राष्ट्राच्या घोषणा पत्रावर सह्या केल्या या पत्रकापुढे आणखी २२ राष्ट्रांच्या सह्या झाल्या.त्यामुळे संयुक्त राष्ट्राच्या निर्मितीला मान्यता मिळाली. सह्या करणाऱ्या राष्ट्रांनी परस्परास सहकार्याने वागण्याची व शत्रू राष्ट्राची कोणतेही गुप्त करार न करण्याची शपथ घेतली. यालाच संयुक्त राष्ट्र संघटनेचे घोषणापत्र असे म्हटले आहे.

मास्को संमेलन:-

रशियाची राजधानी मास्को येथे ३० आक्टोबर १९४३ रोजी संमेलन घेण्यात आले यात असा निर्णय घेण्यात आला की, या संघटनेचे सदस्यत्व लहान मोठ्या सर्व राष्ट्रांना खुले राहील .जागतिक शांतता सुरक्षिततेचे कार्य या संघटनेवर सोपीवले जाईल.या संमेलनाला विशेष महत्त्व दिले जाते कारण सोव्हियत रशियाने यावेळी प्रथमच जागतिक संघटनेच्या स्थापनेत भाग घेतला असल्यामुळे मास्को संमेलनाला विशेष महत्त्व प्राप्त झालेले दिसून येते.

तेहरान परिषद:-

इराणची राजधानी तेहरान या ठिकाणी डिसेंबर 1943 रोजी तीन राष्ट्राध्यक्षांनी एकत्र येऊन मानवी भवितव्या सुरक्षित ठेवण्यासाठी जागतिक संघटना निर्माण करावी अशी संयुक्त घोषणा केली म्हणून या घोषणेला विशेष महत्त्व प्राप्त झाले ही परिषद जागतिक इतिहासात संयुक्त राष्ट्र संघटना स्थापनेच्या दृष्टिकोनातून महत्त्वपूर्ण समजली जाते **डंबार्टन ऑक्स संमेलन, याल्टा परिषद,आणि शेवटची सनफ्रान्सिस्को परिषद** ही शेवटची आणि महत्त्वपूर्ण परिषद घेण्यातआली.22 एप्रिल 1945 ते 26 जून 1945 या कालावधीत येथे परिषद घेण्यात आली या परिषदेला एकूण 50 राष्ट्रीय उपस्थित होते.ही परिषद म्हणजे संयुक्त राष्ट्र संघटनेच्या संविधाना निर्मितीमधील एक महत्त्वपूर्ण आणि शेवटचा टप्पा मानला जातो. या परिषदेमध्ये संयुक्त राष्ट्र संघाची सनद तयार करण्यासाठी जवळपास दोन हजारांहून अधिक तज्ञ एकत्र आले होते डंबर्टन ओक्सचा ठराव, मसुदा या परिषदेत मांडण्यात आला होता, या ठरावाचा बराचसा भाग २/३ मताने सर्व सदस्यांनी मिळून संमती करून घेण्यात आला. समित्या आयोग व सुरक्षा मंडळाच्या रचनेचा विचार या परिषदेत करण्यात आला. पाच श्रीमंत व बड्या राष्ट्रांना सुरक्षा मंडळात कायम स्थान देण्याचे निश्चित करण्यात आले.पाच बड्या राष्ट्रांना नकाराधिकार देण्यासाठी मान्य करण्यात आले. या संमेलनातील ठरवायचे प्रती उपस्थित प्रतिनिधी राष्ट्राकडे पाठविण्यात आले व त्यांची मान्यता मागविण्यात आली.बहुसंख्य राष्ट्राकडून ही मान्यता मिळाल्यानंतर

अधिकृतपणे संयुक्त राष्ट्र ही संघटना 24 ऑक्टोबर 1945 रोजी स्थापन करून घोषणा करण्यात आली.

संयुक्त राष्ट्र संघाची सनद:-

संयुक्त राष्ट्र संघाची सनद तयार करण्यात आली त्यात संघटनेची उद्दिष्टे आणि तत्वे स्पष्ट करण्यात आली. त्याचबरोबर संघटनेत भाषा कोणती असावी (चिनी इंग्रजी फ्रेंच रशियन आणि स्पॅनिश)ती सुद्धा स्पष्ट करण्यात आली. तसेच ही संघटना कशा पद्धतीने काम करेल आणि तिची कीती व कोणती अंग असावीत याचेही उल्लेख करण्यात आला. त्याचबरोबर उप अंगे किती असावीत याचाही उल्लेख करण्यात आला त्या महत्त्वाच्या अंगानुसार आणि उपांगानुसार ही संघटना वेळोवेळी आपापल्या विभागामार्फत महत्त्वपूर्ण कामगिरी बजावत असल्यामुळेच 1945 पासून आजपर्यंत ही संघटना यशस्वीरित्या आपली भूमिका बजावत असल्याचे स्पष्ट दिसत आहे.

एकविसावे शतक धोक्याची घंटा :

एकविसावे शतक धोक्याची घंटा असल्याचे दिसून येत आहे.कारण अलीकडच्या कालखंडात शस्त्र निर्मितीमुळे विकसित राष्ट्रांचा व्यक्तिगत स्वार्थ,छोटे-मोठे युद्ध विचारधारेच्या संघर्षामुळे होताना दिसत आहेत. यामुळे काहीअंशी प्रमाणात संयुक्त राष्ट्राच्या कार्यात अडथळे निर्माण होत असल्याचे दिसून येत आहे. उदाहरणार्थ चिनने निर्माण केलेला कोरोनाचा व्हायरस त्याच बरोबर सध्या सुरू असलेले रशिया आणि युक्रेन यांच्यातील युद्ध तसेच ईराण- इराक युद्ध इस्रायल-हमास युद्ध 7 ऑक्टोबर 2023 पासून इस्रायल आणि हमासच्या नेतृत्वाखालील पॅलेस्टिनी अतिरेकी गटांमध्ये सशस्त्र संघर्ष मुख्यतः गाझा पट्टीमध्ये आणि आसपास होत आहे, ज्यामध्ये वेस्ट बँक आणि इस्रायल-लेबनॉन सीमेवर चकमकी देखील होत आहेत.

दक्षिण कोरिया युद्ध तसेच इजराईल पॅलेस्टाईन युद्ध आणि भांडवलशाही राष्ट्रा विरुद्ध साम्यवादी राष्ट्रे, भांडवलशाही व साम्यवादी राष्ट्र विरोधी मुस्लिम राष्ट्रे असा एक प्रकारच्या विचारधारेचा संघर्ष निर्माण झाल्यामुळे जागतिक शांततेला धोका निर्माण होत असल्यामुळे संयुक्त राष्ट्र संघाचे शांततेसाठी करीत असलेल्या प्रयत्नाला एक अडथळा निर्माण येत असल्याचे वरील उदाहरणे आहेत.तरीही संयुक्त राष्ट्रसंघाची जी यंत्रणा आहे ती अतिशय महत्त्वपूर्ण काम करीत असल्याचे आपणास दिसून येते.

जागतिक मानवाला महायुद्धाची भिती:

सध्या जग युद्धाच्या छायेत जगत आहे. कारण, जगातील दोन क्षेत्रांत भीषण संघर्ष सुरु आहे. एका बाजुला रशिया आणि युक्रेनमध्ये संघर्ष सुरुं तर , दुसरीकडे इस्राइल आणि हमासमध्ये युद्ध सुरु आहे.जर कदाचित तिसऱ्या महायुद्धाला तोंड फुटलेच तर काही देश सुरक्षित राहतील तसेच ते सर्वाधिक सुरक्षित मानले जातील याबाबत आपण माहिती ज्ञान करून घेऊया. सगळयात सुरक्षित देश कोणता? ग्लोबल पीस इंडेक्स २०२३ च्या रँकिंगनुसार, तिसरे महायुद्ध सुरु झालं तरी काही देश अधिक सुरक्षित राहतील. या देशांमध्ये पहिला क्रमांक आईसलँडचा लागतो. तिसरे महायुद्ध सुरु झाले तर हा देश सुरक्षित राहण्याची सर्वाधिक शक्यता आहे. आईसलँड हा गेल्या काही वर्षांपासून टॉपवर आहे.डेन्मार्क तिसऱ्या महायुद्धात सुरक्षित राहील. ग्रीनलँड देखील याच देशाच्या ताब्यात आहे. डेन्मार्क नाटोचा सदस्य आहे. अशावेळी ग्रिनलँड जगातील युद्धादरम्यान स्वत:ला सुरक्षित ठेवण्याची शक्यता आहे.आयर्लंड इंग्लडच्या जवळ असणारा देश देखील सुरक्षित राहू शकतो. हा देश नाटोचा सदस्य देश नाही. नाटोचा सदस्य आणि अमेरिकेचा सर्वात मोठा सोबती देश ब्रिटेन याला लागून आहे. अशा परिस्थितीत आयर्लंड सुरक्षित राहील.कॅनडामध्ये यूरोपीय भाषिक लोक मोठ्या प्रमाणात राहतात. अमेरिकेचा हा शेजारी देश आहे. अशा परिस्थितीतही हा देश अमेरिकेवरील युद्धाच्या प्रभावापासून अलिप्त राहील.ऑस्ट्रेलिया देखील तिसऱ्या महायुद्धापासून दूर राहण्याची शक्यता आहे. देशाच्या भौगोलिक स्थानामुळे येथे युद्ध होण्याची शक्यता कमी आहे.ग्लोबल पीस इंडेक्स २०२३ नुसार, भारताचा या यादीमध्ये १२६ वा क्रमांक आहे. ग्लोबल पीस इंडेक्स देशांची रँकिंग ठरवत असताना विविध गोष्टी विचारात घेत असतो.देशाची लोकसंख्या, राजकीय स्थिरता, गुन्हेगारीचे प्रमाण, शिक्षण, भौगोलिक स्थान अशा अनेक गोष्टी विचारात घेतल्या जातात.

श्रीमंत बड्या राष्ट्रांचे वर्चस्व:-

संयुक्त राष्ट्र संघावर श्रीमंत बड्या राष्ट्राचे वर्चस्व आज दिसून येत आहे ते म्हणजे सुरक्षा समितीच्या माध्यमातून कारण सुरक्षा समितीमध्ये फक्त श्रीमंत बड्या राष्ट्रांनाच स्थान देण्यात आले आहे.त्याचबरोबर त्यांना विशेष नकाराअधिकार सुद्धा देण्यात आला आहे.त्या अधिकाराचा निश्चितच ती राष्ट्रे त्या अधिकाराचा वापर

करून आपले वर्चस्व कायम ठेवण्याचा प्रयत्न वेगवेगळया माध्यमातून करीत आहेत.यामुळे त्यांचा स्वार्थ सातत्याने पुढे येत असताना दिसून येतो मात्र ही एक धोक्याची घंटा असल्याचे आपणाला दिसून येत आहे कारण राष्ट्रसंघामध्ये सुद्धा अशाच प्रकारची चढावढ झाली असल्यामुळे द्वितीय महायुद्धाला सुरुवात झाली. जरी श्रीमंत राष्ट्राचे वर्चस्व असले तरी मात्र त्यांनी आपला स्वार्थ बाजूला ठेवून शांततेसाठीच आणि संयुक्त राष्ट्राच्या उद्दिष्टयाशी बांधील राहून आपली भूमिका निभावणे गरजेचे आहे कारण संयुक्त राष्ट्रसंघाचा सिद्धांत आणि व्यवहार हाच जगाला युद्धाला तारू शकतो.

विचारसरणीतील श्रेष्ठत्वाची लढाई:-

विकसित भांडवलशाही विचारधारा आणि साम्यवादी विचारधारा राष्ट्रांची भूमिकेतील फरक आपणाला दिसून येतो. त्याचबरोबर दोन्ही राष्ट्रांपेक्षा आपली वेगळी भूमिका अविकसित राष्ट्रांची (तटस्थ) असल्याचे दिसून येते. कारण अविकसित, विकासनशिल राष्ट्रे सातत्याने लोकशाही विचाराचे आणि मानवी हक्काच्या संरक्षणाबाबत जागतिक पातळीवर आपली भूमिका स्पष्ट करून हुकूमशाही, सरंजामशाही, वसाहतवाद, साम्राज्यवाद ,नाझिवाद फॅशिस्टवादाविरोधात स्वातंत्र्याच्या हक्कासाठी सातत्याने ओरड करीत आले आहेत. अर्थात संयुक्त राष्ट्र संघाच्या तत्वे उद्दिष्ट्याशी अविकसित राष्ट्रे सातत्याने पाठिंबा दर्शवत असल्याचेच आपणास दिसून येत आहे.

मानवी हक्क विषयीची जगातील राष्ट्रांची भूमिका:

अलीकडच्या कालखंडात जगातील बहुतांशी राष्ट्रे मानवी हक्काविषयी जनजागृती निर्माण करीत आहेत त्यामुळेच खऱ्या अर्थाने जगामध्ये १० डिसेंबर १९४८ रोजी जागतिक मानवी हक्क आयोग निर्माण करण्यात आला आणि त्याच दिवशी मानवी हक्काची ३० कलमी जाहीरनामा प्रसिद्ध करून त्यानुसार जगातील मानवाला स्वतंत्रपणे जीवन जगता यावे त्याच्या अधिकार सुरक्षित रहावेत या दृष्टिकोनातून जागतिक मानवी हक्क आयोग भूमिका बजावत आहे. त्याचबरोबर जगातील बहुतांशी राष्ट्र आपापल्या देशात जागतिक मानवी हक्काच्या जाहीरनाम्याचा आधार घेत राष्ट्रीय मानवी हक्क आयोगाची निर्मिती करून त्या माध्यमातून मानवी हक्काची पायमल्ली होणार नाही या दृष्टिकोनातून कार्य करीत आहे. अशा पद्धतीचे कार्य जगातील सर्व राष्ट्रांनी करीत असल्यास जागतिक मानवी हक्काचे उद्देश निश्चित सफल होतील आणि संपूर्ण जगामध्ये शांतता मुळे सहजीवन निर्माण होण्यास वेळ लागणार नाही.

सारांश:-

संयुक्त राष्ट्रसंघाच्या निर्मितीचा उद्देश व संघटनेच्या स्थापनेची पार्श्वभूमी आणि तत्वे लक्षात घेतल्यास असे दिसून येते की,मानवी हक्काचे संरक्षण करण्यासाठी आणि जागतिक स्तरावर परस्पर सहकार्यातून विकास आणि शांततेच्या माध्यमातून मैत्रीपूर्ण संबंध निर्माण करून युद्धऐवजी कायमची शांतता प्रस्थापित करणे आणि या जागतिक पटलावरून वादविवादाचे प्रश्न सदस्य राष्ट्रांनी एकत्रित येऊन नायनाट करणे.विकास विविध माध्यमांतून चालना देणे, निशस्त्रिकरण सामूहिक प्रयत्न करणे ,शांतता प्रथम प्राधान्य देने,परस्परांमध्ये सहकार्य करणे, दहशतवादाचा बंदोबस्त करणे,इत्यादी उद्देश समोर ठेवून ही संघटना उद्यास आली. खरोखरच या संघटनेला अधिक मजबूत बनवायचे असेल तर जसे राष्ट्रसंघात काही चुका होत्या तशा पद्धतीच्या चुका विकसित युरोपीय अथवा श्रीमंत बड्या राष्ट्रांनी आपला स्वार्थ बाजूला ठेवून जर सहकार्यात्मक शांततेची भूमिका स्वीकारून जागतिक पटलावर मानवाचे रक्षण करण्यासाठी पुढाकार घेतला तर निश्चितच या संघटनेचा सिद्धांत आणि व्यावहाराच्या भूमिकेला अतिशय महत्त्व प्राप्त होईल त्यासाठी श्रीमंत राष्ट्रे आणि गरीब राष्ट्रे अशा पद्धतीची दरी न ठेवता आपण सर्व एक आहोत ही भूमिका जर सिद्धांत आणि व्यावहाराच्या पद्धतीने स्वीकारली तर निश्चितच संयुक्त राष्ट्र संघाला उज्वल यश मिळेल.

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पर्यावरण और मनुष्य

डॉ. रश्मि बी. वी.

प्रवक्ता, विश्वविद्यालय कॉलेज मेंगलुरु, दक्षिण कन्नड, कर्नाटक, हिन्दुस्तान

Corresponding Author- डॉ. रश्मि बी. वी.

ईमेल:- rashubv2012@gmail.com

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प्रस्तावना:

भारतीय सन्दर्भों में देखे तो पाएंगे कि यहां तो वैदिक काल से ही पर्यावरण संरक्षण की बातें की जाती रही है, अर्थ अथर्ववेद के पृथ्वी सूक्त में धरती को माता और आकाश को पिता माना गया है । हमारे यहां जल स्रोतों और वनस्पतियों को पूजा जाता है। वनस्पतियों की जीवनदायनी शक्ति का संनधान करके भारतीयों ने आयुर्वेद जैसे चिकित्साशास्त्र का विकास किया था। भारतीय दर्शन में जीवन को पांच पत्तों से निर्मित माना गया है पंचतत्व अर्थात पृथ्वी जलवायु अग्नि व आकाश अपने समग्रता में पर्यावरण के ही पर्याय है। भारतीय लोक मानस में तो पर्यावरण संरक्षण जीवन शैली का अभिन्न अंग रहा है । त्योहार धार्मिक एवं सामाजिक आयोजनों में विभिन्न पेड़ों की पूजा, सूर्य को जल चढ़ाना, गया को रोटी, चींटियों को आटा खिलाना, कौवे को रोटी देना, पक्षियों के लिए दान-पानी रखना । यह सभी दैनंदिन जीवन में सहज स्वीकार्य थीं, जिनके लिए अलग से प्रयास नहीं करना पड़ता था।

पर्यावरण के संरक्षण की यह चिंता वैश्विक है अतः विश्व साहित्य में इस चिंता की अनुगूंज सुनाई देती हैं । इस क्रम में कथाकार अभिमन्यु अनंत के उपन्यास 'अपना मन उपवन' को रखा जा सकता है । उपन्यास का शीर्षक स्वयं में पर्यावरण संवेदी होने का परिचयक है । उपवन को वन का विस्तार से माना जाता है और वहां रंग, रूप, गंध, वैविध्य और सौंदर्य का प्रतिमान होता है । इस तरह यदि मन को भी रंग, गंध, वैविध्य और सौंदर्य से परिपूर्ण कर लिया जाए तो संसार से पर्यावरण का संबंधी क्या सभी सामाजिक समस्याओं को समाप्त किया जा सकता है । मनुष्य और प्रकृति के सहभाव के श्रृंखला की लड़ी जहां-जहां से टूट रही है और मनुष्य प्रकृति का आपदाओं-विपदा में फंसा ताड़फड़ता नजर आने लगा है।

पेड़, पहाड़, नदी, जंगल, पानी, जमीन, मिट्टी, हवा, बर्फ सब नष्ट हो रहे । अंधाधुंध जंगलों पेड़ों के कटाई, रासायनिक पदार्थ, खाद्य आदि के। बढ़ते उत्पादन और प्रयोग ने पानी, हवा, मिट्टी को जहरीला बना दिया है । आज वैश्विकरण स्तर पर पर्यावरण की चिंता उठ खडी हुई है, लेकिन विडंबना यहां की जो कंपनी 'वाटर- प्यूरीफायर' बना रही, वहीं पानी से रसायन भी मिल रही है । 'एयरप्यूरीफायर' बना रही, वहां 'एसी' बनकर हवा को धामडों बना रही । एक उच्चतर जीवन हासिल करने की तोड़ में मानवी सभ्यता 'निमंथर जीवन' की ओर खिसक रही । मनुष्य की चुनी हुई 'सभ्यता' उसके खिलाफ चुनी हुई 'बर्बरता' में बदल रही है । वर्तमान दौर में पर्यावरण संबंधी सरोकारों को पर्यावरणवाद के नाम से जाना जाता है और इसे एक आधुनिक विचार के रूप में देखा जाता है । जब ध्यान से देखें तो मनुष्य और पर्यावरण का संबंध अटूट है या कहना चाहिए कि वही उसके जैविक विकास का प्रमुख कारक है ।

मनुष्य च जातक तो नहीं बन सकता ? जो बारिश की बूंद को ही पी सके, लेकिन हम 'आरो वाटर' के आदी हो चुके हैं । कवि रहीम कहते हैं-----

"दादूर मोर किसान मन, लगयो रहै धन माही ।
रहिमन चातक रटनि हूँ, सर्वर को कोउ नहीं ॥"

तात्पर्य यहां है कि मेंढक, मोर, किसान और च जातक का बादल के प्रति इतना प्रेम है कि इनका मन हमेशा बादल की और लगा रहता है । वैसे तो बदल वर्ष क काल में ही बरसता है और इनकी साल भर का पानी की जरूरत को पूरा करता है, लेकिन जल से भरे तालाब, सरोवर, बांध,......आदि अब दूषित हो गए हैं । अतः यह सब बादल के प्रति अधिक प्रेम करते हैं, साथ-ही- साथ यह दोहा पर्यावरण के बदहाली की प्रासंगिकता को भी उजागर करता है । बढ़ते औद्योगीकरण से आज मानव शुद्ध हवा और पानी की खोज में है । उसके नव निर्माण तथा शुद्धि के लिए नए-नए यंत्रों की स्थापना कर चुका है । आज पानी का उद्यम शीर्ष उद्योगों की सूची में स्थान कर चुका है k पानी पर अधिकार सभी का है, लेकिन उसकी घरेलू और औद्योगीकरण की उपयोगिता ने उसे सोने से भी ज्यादा महत्व दिया है ।

निष्कर्ष :-

पर्यावरण के प्रति मनुष्य की इस चिंता को साहित्य के साथ जोड़कर देखते हैं तो संचित स्वप्न को साहित्य की ओर मोड़ लेते है उसे लगने लगता है कि मानवी की विषयों में ही पृथ्वी और पर्यावरण का संतुला

छिपा हुआ है। वहीं एसा क्षेत्र है, जहां केवल अंधाधुंध विकास को व्यावहार के साथ-साथ आंतरिक शक्ति से भी संपन्न करता है। चाहै विज्ञान और तकनीक कितना भी विकास कर ले पर पुस्तकों का तत्व अस्तित्व बना रहेगा। यदि बच्चों का लालन पालन टीक ढंग से किया जाए तो इच्छित संस्कार और व्यावहारो उसमें प्रतिरोपित किया जा सकता है।

सन्दर्भ सूची

1. रहीम ग्रंथावली, सं.डॉ.देवराज सीह भाटी।
2. आज की कविता,सं.विनय विश्वास।
3. अपना मन उपवन,सं. अभिमन्यु अनंत,सामायिक प्रा।

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प्रो. डॉ. अभिमन्यू गेना ओहळ

मराठी विभाग, छत्रपती शिवाजी नाईट कॉलेज ऑफ आर्ट्स अँड कॉमर्स सोलापूर

Corresponding Author- प्रो. डॉ. अभिमन्यू गेना ओहळ

Email: abhimanyuohal @gmail.com

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प्रस्तावना

मराठी भाषेत प्रेमकविता मोठ्या संख्येने लिहिली गेली नाही . प्रियकर आणि प्रियेशी यांच्या प्रेमभावनेला कवितांमध्ये फारसे स्थान लाभल नाही . त्याऐवजीशहरात वास्तव्य करणाऱ्या मध्यमवर्गीय कुटुंबात वाढलेल्या कवींनी पती-पत्नींची प्रणयचित्रे रेखाटण्यात धन्यता मानली आहे . ग्रामीण कवितेचा विचार केला असता ना.धो. महानोर यांनी आपल्या कवितेच्या माध्यमातून शेत, शिवार,प्रा णी, पक्षी, सण, उत्सव, नातेसंबंध, परंपरा यांचे वर्णन केले आहे. मात्र शृंगाराचे वर्णन करताना शरीरभोगाच्या चौकटीत त्यांची कविता अडकून पडली. आनद यादव यांच्या कवितेतील प्रेमाचे स्वरूप रांगडे आणि अस्सल आहे. त्यामध्ये पती-पत्नी नात्यातील प्रेमभावनेला मोठे स्थान लाभले आहे. नौदलप्रमुख नैसर्गिक आपत्तीचा विचार केला तर १९७२ साली महाराष्ट्रात पडलेला दुष्काळ फार महत्त्वाचा आहे. या दुष्काळाने महाराष्ट्रातील जनतेला वास्तवाची जाणीव करून दिली. ग्रामीण जीवन ढवळून निघाले होते. दुष्काळाची दाहकता गंभीर स्वरुपाची होती. त्यामुळे आंतरराष्ट्रीय स्तरावरून अन्नधान्य मिळाले होते. परंतु पिण्यासाठी पाणी नव्हते. लोकांनी मोठ्या प्रमाणात स्थलांतरण केल्याचे दिसून येते. अशा पार्श्वभूमीवर ग्रामीण जीवनात प्रेमकविता बहरणे शक्य होते का ? हे लक्षात घेणे गरजेचे आहे.

सहकार क्षेत्राचा विकास आणि शिक्षणाचा प्रचार,प्रसार यामुळे ग्रामीण समाज जीवनात अमुलाग्र बदल झाल्याचे दिसून आले. ग्रामीणभागातील विद्यार्थ्यांना ज्ञान लालसेची लागलेली तहान महत्त्वाची होती. उच्च शिक्षणाच्या ध्येयासाठी हे युवक शहरात आले. पदव्या घेतल्यानंतर ते नोकरी करू लागले संवेद्रशीलव ृत्तीचे तरुण साहित्यीक झाले. त्यांनी आपला भूतकाळ आणि वर्तमानकाळ शब्दबद्ध केला. आजपर्यंत साहित्याचा विषय न झालेला ग्रामीण परिसर, सामाजिक पर्यावरण यांचे दर्शनघडू लागले.ग्रामीण शब्द, शब्दरचना, भाषाशेली, प्रतिमा – प्रतिके, अलंकार, म्हणी, गाणी, उखाणे, वाक्यप्रचार हे मोठ्या डोलाने साहित्य दरबारात मिरवू लागले. मुळात ग्रामीण कविताच निसर्गाचा एक घटक म्हणून अभिव्यक्त होते असे म्हटले तर ते वावगे ठरू नये. जीवनाला सफलता- निस्फळता प्रदान करणाऱ्या, दिशादर्शक असणाऱ्या भावनेचे दर्शन ग्रामीण कवितेत दिसते. प्रेम ही भावना निसर्गाचा सर्वोत्तम आविष्कार आहे.ही भावना सर्व सजीवांमध्ये मुलभूत स्वरुपात आढळते या निखळ भावनेचा सर्वोत्तम अविष्कार मराठी ग्रामीण प्रेमकावितेमध्ये आढळून येतो . हेच या शोधनिंबधात मला विचार रूपाने मांडावयाचे आहे .

***ग्रामीण प्रेमकावितामागील प्रेरणा.**

काव्यानिर्मिती ही निसर्गदत्त देणगी आहे. हे मान्यच करावे लागते,परंतु त्यासाठी यादेणगीली बहर येण्यासाठी पूरक आणि पोषक वातावरणाची नितांत गरज आहे .यावारुनच कवितेचे रंग,रूप आणि कसदारपणा म्हणजेच स्वरूप ठरत असते

मराठी भाषेत प्रेमकविता निर्माण झाली, परंतु ती संख्येने अल्पस्वरुपाची आहे. नाते संबंधाचा विचार केला तर आई-आजी, आजोबा, मामा-मामी, काका-काकू, आत्या-मामा या नाते संबंधाबरोबरच बहिण-भाऊ यांचे परस्परांवरील प्रेम मोठया प्रमाणात लोकगीत , कविता यामध्ये आढळून येते, परंतु प्रियकर-प्रियसी यांचे प्रेम व्यक्त करणाऱ्या कवितांची संख्या खूपच कमी आहे.

ग्रामीण कविता ही निसर्गाच्या जवळ असणारी कविता आहे. निसर्गाच्या विविध रूपाचे दर्शन कवितेतून घडते आहे. त्याच प्रमाणे प्रेम ही भावना निसर्गाचा सर्वोत्तम अविष्कार आहे.त्यामुळे मराठी कवितेची परंपरा जोपरेंत आपण लक्षात घेत नाही. तो परेंत ग्रामीण प्रेमकवितांच्या प्रेरणा आपणास समजून घेता येणार नाहीत.

ग्रामीण कवितोचा उष:काल असा ज्यांचा उल्लेख केला जातो ते **<u>ग. ल. ठोकळ</u>**, **<u>ग. ह. पाटील</u>** आणि **<u>रविकिरण</u>** मंडळातील काही कवी याचा आग्रहाने विचार करावा लागतोच. या सर्वाना ग्रामीण जीवनाचे चित्रण आपल्याला कवितेमधून रेखाटले आहे. त्यांचे कवितांचे विषय आणि आशय पुढील प्रमाणे आहेत शेतमजूर, त्यांची अवस्था, ग्रामीण जीवन, नाते-संबंध, सण-उत्सव, परंपरा-रुढी, पीकपाणी, त्याचबरोबर मानवी जीवन, स्वभाव विशेष, आशा-अपेक्षा यांचे वास्तववादी चित्रण ग्रामीण कवींना केले आहे.

ना.धो. महानेर , तुकाराम धांडे, ना .घ. देशपांडे या दिग्गज कवीने मराठी ग्रामीण कवितेला बळ दिल्यामुळे ग्रामीण कवितेची वाटचाल दमदार झाली आहे. त्याच बरोबर प्रसार माध्यमाची भूमिका ,शिक्षणाचा प्रचार-प्रासार आणि अनुभवाची विविधता याच खऱ्याअर्थाने मराठी ग्रामिण प्रेमकवितांमागील प्रेरणा आहेत. असे म्हणावे लागेल.

प्रसार माध्यमे आणि प्रेमकविता. *

१९८० नंतर समाज जीवनामध्ये मोठे फेरबदल झाल्याचे दिसून येते. सुशिक्षितांचे प्रमाण वाढले. वृत्तपत्र, आकाशवाणी आणि दुरचित्रवाणी या प्रसार माध्यमांनीसर्व सामान्य माणसांचे जीवन व्यापून टाकले आहे. प्रथम

मनोरंजन आणि नंतर भावनिक गरज आणि त्यापुढील टप्पा प्रसार माध्यमांचे व्यसन आणि अंधानुकरण अशी जीवनशैलीबनली. या प्रसार माध्यमातील वातावरणाचा साहित्य आणि समाजावर प्रभाव पडू लागला. साहित्याचे क्षेत्रात, आकाशवाणी, दूरचित्रवाणी यावरील कथाकथन, काव्यसंमेलन यामुळे वाचक, प्रेक्षक, श्रोते, काव्यरसिक यांना साहित्याची मेजवानी मिळाली. थोडक्यात १९८० नंतरच्या कवितेमध्ये झालेले बदल स्पष्ट दिसून येतात.

उत्तम बावस्कर यांच्या 'हिरवी पहाट' काव्यसंग्रहातील ४२ क्रमांकच्या कवितेमध्ये प्रकट झालेली प्रेमभावना हतबलता व्यक्त करणारी आहे.शिक्षणासाठी शहरात असलेला नायक आपला विरह व्यक्त करताना म्हणतो,

"एकटीच तिथे
तू राबते रानात
मी रखडतो पाई
ह्या शहरी उन्हात" १

कवितेचा नायक शरीराने शहरात आहे, परंतु त्याचे मन आपल्या गावी असणाऱ्या प्रियतमे मध्ये गुंतले आहे. तो प्रेमाच्या ओलाव्याला पारखा झाला आहे.

ग्रामीण कवितेतील नवतरुणी *

प्रसार माध्यमामुळे जीवन गतिमान होऊ लागले आहे.त्याचा परिणाम ग्रामीण कवितेवर स्पष्टपणे दिसत आहे. विठ्ठल वाघ, सुरेश शिंदे, जयराम खेडेकर यांच्या कवितांमधून जाणवतो .

" वेची कपाशीची फुले
नाच पावलात वाके
घसरत्या पदराचा
ऊर पुनःपुन्हा झाके " २ नवतरुणीचे शरीरात झालेले बदल
तिला स्पष्टपणे जाणवताहेत

" उरीचा पदर
पुनःपुन्हा का घसरतो
असे काय होते
कसे ते तिला उमजले नाही " ३ तारूण्यसुलभ वृत्तीची लागलेली चाहूल या मनोवस्थेचे चित्रण कवीने केले आहे. त्याचबरोबर आपल्या प्रेमभावनेचे प्रकटीकरण करताना नायिका धाडस दाखविते .प्रेमाचा स्वीकार करून ती पुढाकार घेते या बद्दल कवी लिहतात

" .... जरा वळूनमागे
तिचे इशार्यात काही
आज रानात एकटी
ये तिकड` कोणी नाही " ४

नायकाचा एकांत हवा आहे. त्यासाठी नायिका सांकेतिक भाषेत नायकाला सुचवित आहे.

त्याचबरोबर तरुणांच्या मनात उठणारे भावतरंगही ग्रामीण कवितेतून उत्कटपणे साकारले आहेत. कवी 'शिवाजी मिरगळ' यांच्या 'काळी माय' काव्यसंग्रहातील 'राखण' कवितेतील नायिका लक्षवेधी आहे.

"जोंधळयाच्या रानामंदी रंगू राखण करीते
दोन डोळयांची गोफण रानपाखरा मारीते "५ कवितेतील नायिका तरुण आहे. ती कष्टकरी आहे. हातात गोफण घेऊन ती पिकाची राखण करीत आहे. आपल्या अब्रूचे रक्षण करण्यासाठी ती दोन डोळयांच्या गोफणीचा वापर करते आहे. अशा भावभावनांची आंदोलने कवीने समर्थपणे चित्रित केली आहेत.

पती-पत्नीचे प्रेम *

ग्रामीण कवितांमध्ये कवींनी पती-पत्नी यांचे प्रेमाचे वास्तव चित्रण केले आहे. आतुरता, विरह, ओढ, हुरहूर, एकमेकाबद्दलची चिंता, आकर्षण, समर्पण, त्याग, सुख-दु;ख, रुसवे-फुगवे, मिलनाची आतुरता, या भावनांचा आलेख कवींनी चितारला आहे. कवी शिवाजी मिरगळ यांच्या 'काळी माय' काव्यसंग्रहातील 'उन्हाच्या पार्यामंदी ....' या कवितेत दुपारी शेतातील वातावरणाचे सचित्र वर्णन केले आहे. राघूला प्रतिसाद देणारी मैना, घरधन्याची भाकरी घेऊन येणारी कारभारीन दिसते. जीवनातील अडचणीत ऐकमेकांना मानसिक आधार देणारे पती-पत्नी यांचे भावजीवन कवीने शब्दांवरे स्पष्ट केले आहे.

जयराम खेडेकर यांच्या 'मेघवृष्टी' काव्यसंग्रहातील ३९ व्या कवितेत कवीने कष्टकरी जोडप्याचे वर्णन केले आहे. त्यांचे मिलन रानातील खोपितच झाले आहे.

" घेते माळून भोवती
त्याचे शिणलेले हात
मेडकीच्या कंदिलाची
हळू मंदावली वात " ६ शेतात राबणाऱ्याना खूप कष्ट करावे लागतात . परीस्थीतीशी तडजोड करून जगावे लागते .

'योगीराज माने' यांच्या 'रानशीळ' काव्यसंग्रहातील 'तुझे माहेरला जाणे' या कवितेत पत्नी बद्दलची आपुलकी व्यक्त करताना नायक म्हणतो

"किती गुणाची तू लेक चर्चा चाले माहेरात
तुझा कस्तुरीसुवास दरवळे सासरात " ७कवितेतील नायक
पत्नीच्या सहवासात समाधानी आहे. पत्नीच्या माहेरी
जाण्यामुळे तो उदास झाला आहे, परंतु तिच्या आश्वासक
आठवणीमुळे तो आनंदी आहे.

'संदीप काळे' यांच्या 'सुरवातीच्या कविता' काव्यसंग्रहातील 'पाऊस' कवितेतील नायक अस्वस्थ आहे. त्याबद्दल कवी लिहितात

" पाऊस हा देतो
वेदनेला ओल
अंकुरती बोल
कवितांचे " ८ प्रियशीच्या आठवणीमुळे बेचैन झालेला नायक आपली मनोवस्था प्रकट करीत आहे.

ना.धो.महानोर यांच्या 'पावसाळी कविता' काव्यसंग्रहातील क्र.४२ मधील नायिका आपली प्रेमभवना प्रकट करताना म्हणते.

"ओल्या पाण्यात पार, एक गगन धरा
तसा तुझा सहारा, सोडून रीतभात " ९ नायिका
स्वभावाने हळवी आहे. तिची प्रेमावर निष्ठा आहे. आपल्या
साजनासाठी ती सर्वस्व अर्पण करायला तयार आहे. तिला
कोणाची भीती नाही.

समारोप

१९८० नंतरच्या मराठी ग्रामीण कवितेमध्ये प्रेमाविष्कार स्पष्टपणे आढळून येतो. या पार्श्वभूमीवर विचार केला असता काही बाबी स्पष्ट दिसून येतात. शिक्षण आणि प्रसार माध्यमांचा प्रभाव समाज मनावर पडलेला आहे. त्यामुळे जीवनमान उंचावले आहे. काही परंपरा मोडीत निघाल्या आहेत. त्याचा थेट परिणाम सर्वच स्तरातील जीवनशैलीवर दिसून येतो. त्यामुळे १९८० नंतरची ग्रामीण मराठी कविता बहरली आणि जोमदारपणे वाटचाल करीत आहे. असे म्हणावे लागेल.

निष्कर्ष

१) मराठी ग्रामीण कवितेतील प्रेमभावना निखळ आहे.
२) या कवितेतील प्रेमभावना कर्तव्याला श्रेष्ट मानते
३) या कवितेतील प्रेमभावना परस्पराबद्दल आदर प्रकट करते
४) मराठी ग्रामीण कवितेतील प्रेमभावना एकनिष्ठ स्वरुपाची आहे.
५) १९८० नंतरच्या मराठी ग्रामीण कवितेतील पात्र धाडसाने प्रेम प्रकट करीत आहेत.
६) मराठी ग्रामीण कवितेत पती-पत्नीच्या प्रेमाचे चित्रण आले आहे.
७) सासर-माहेर या कौटुंबिक घटकांचे वर्णन आले आहे.
८) त्याग, समर्पण, विरह, हुरहूर, आपुलकी, हे घटक आढळतात

संदर्भ सूची

1. (बावस्कर उत्तम हिरवी पहाट-प्रमोद प्रकाशन, वैजापूर प्र.आ.१९९४ पू.४६)
2. (खेडेकर जयराम, मेघवृष्टी शब्दालय प्रकाशन, श्रीरामपूर प्र. आ. २००५ पृ. ६४)
3. (तत्रैव पृ ६९)
4. (तत्रैव पृ ९१)
5. (मिरगळ शिवाजी, काळी माय, पारख प्रकाशन, बेळगाव प्र. आ. १९९३ पृ. १५)
6. (खेडेकर जयराम,मेघवृष्टी शब्दालय प्रकाशन , श्रीरामपूर प्र. आ. २००५ पृ. ६५)
7. (माने योगीराज, रानशील, भूमी प्रकाशन, लातूर प्र. आ. २००५ पृ ५९)
8. (काळे संदीप , सुरुवातीच्या कविता, नीहारा प्रकाशन, अहमदनगर प्र.आ. २००५ पृ.३५)
9. (महानोर ना. धो., 'पावसाळी कविता 'पॉप्यूलर प्रकाशन, मुंबई प्र. आ. १९८२ पृ. ५१)

विधीसंघर्षग्रस्त बालकांच्या गुन्ह्यांच्या प्रकाराचे अध्ययन

डॉ. मनीषा अनंतराव मांजरकर[१], शेख करीम मुनीर[२]

[१]जवाहरलाल नेहरु समाजकार्य महाविद्यालय, नांदेड

[२]संशोधक विद्यार्थी, स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड.

Corresponding Author- डॉ. मनीषा अनंतराव मांजरकर

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प्रस्तावना :

जगामध्ये सगळीकडे विधिसंघर्षग्रस्त बालक ही एक प्रमुख सामाजिक समस्या आहे. यामध्ये १८ वर्षाच्या खालील बालकाकडून घडून आलेल्या गुन्ह्यांचे वर्णन केलेले असते. विधिसंघर्षग्रस्त बालकांच्या समस्येबाबत विकसित देशच या समस्येचा सामना करतात असे नाही तर अविकसित देश सुद्धा या समस्येचा सामना करताना दिसतात. इतर प्रमुख देशांसह भारत देशामध्ये सुद्धा ही समस्या दिसून येते. भारत हा लोकसंख्येच्या दृष्टीने जगातील दुसऱ्या क्रमांकाचा देश म्हणून ओळखला जातो. एकुण लोकसंख्येच्या जवळपास ३९ टक्के प्रमाण हे बालकांचे (childern in india.org.in २०१८) असून त्यापैकी २८ टक्के मुले ही ६ ते १० या वयोगटातील तर २७ टक्के मुले ही ११ ते १६ वयोगट, १६ टक्के मुले ही १६ ते १८ वयोगटातील आढळून येतात. २१.९ टक्के लोकसंख्या ही दारीद्रय रेषेखाली आढळून येते. (Asian Development Bank, २०१८) अतिदारीद्रयातील मुलांचे भारतातील प्रमाण हे ३० टक्के एवढे दिसून येते. (युनिसेफ, वर्ल्ड बॅन्क, २०१६) मुलांमध्ये अपराधी भावना होण्यामागची कारणे जसे की पालकांचे दुर्लक्ष, शिक्षणाचा अभाव, चुकीचे शेजारी, अति दबाव, स्थलांतर, सांस्कृतिक भिन्नता, अति इंटरनेट वापर, संधीच्या अभावाने नैराश्य इत्यादी. राष्ट्रीय गुन्हे अन्वेषन विभाग अहवाल २०१३, नुसार एकुण बालगुन्हेगारी प्रमाण हे १३.६ टक्के वाढलेले दिसून आले. जे की, एकुण भारताच्या गुन्ह्याच्या १.२ टक्के इतके आढळून आले. प्रत्येक वर्षी गुन्ह्याचे प्रमाण हे वाढताना दिसून येते.

उद्दिष्टेः

१) विधीसंघर्षग्रस्त बालकाची अपराध प्रवृत्ती वय, लिंग या नुसार तपासणे.

२) विधीसंघर्षग्रस्त बालकांचे गुन्ह्यांचे प्रमाण अभ्यासणे.

३) विधीसंघर्षग्रस्त बालकांचे गुन्हेगारीकडे वळण्याची कारणे अभ्यासणे.

संशोधन पद्धतीः

प्रस्तुत अभ्यास हा भारतातील ३६ राज्ये व केंद्रशासीत प्रदेशातील विधीसंघर्षग्रस्त बालकांचे अपराध याबाबत राष्ट्रीय गुन्हे अन्वेषण विभागाने सूचीत केलेली माहिती संकेतस्थळावरुन घेण्यात आली आहे. ही माहिती वेगवेगळया गुन्ह्यांच्या प्रकारानुसार एकत्रित केलेली आहे. २००६ ते २०१६ या दशकातील माहिती अभ्यासासाठी निवडली आहे. गुन्हे अन्वेषण विभागाच्या माहितीचे विश्लेषण केले आहे.

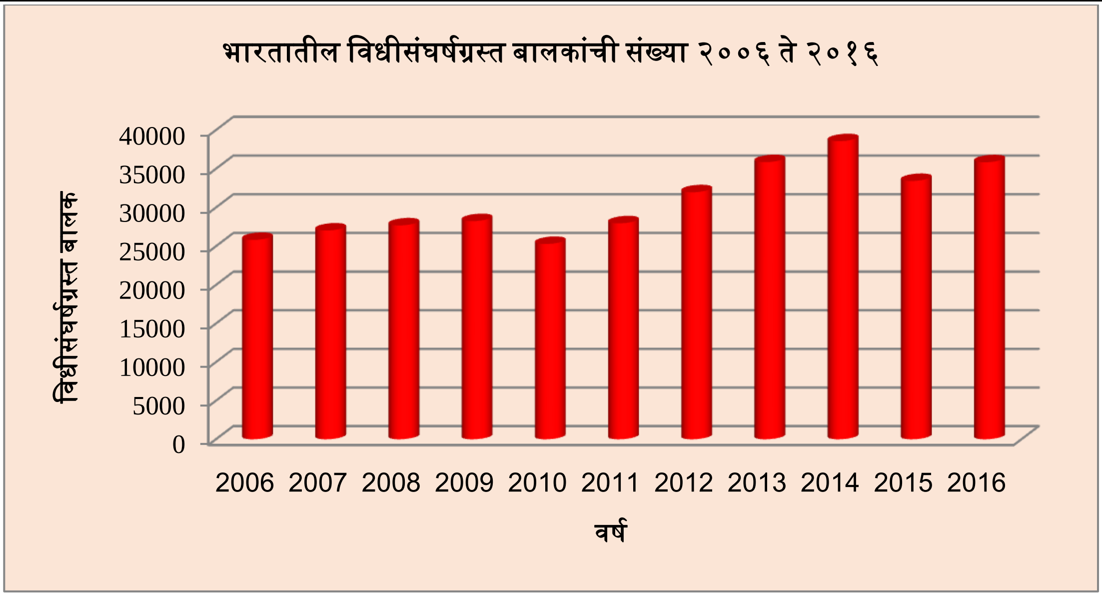
विधीसंघर्षग्रस्त बालक अपराध प्रवृत्ती २००६-२०१६ :

राष्ट्रीय गुन्हे अन्वेषण विभाग रिपोर्ट नुसार विधीसंघर्षग्रस्त बालकाद्वारे घडलेला अपराध जसे चोरी, बलात्कार, खून, दुखापत इत्यादींचे प्रमाण हे वाढलेले दिसून येते. या अहवालानुसार असे दिसून येते की, विधीसंघर्षग्रस्त बालकांच्या गुन्ह्यांचे प्रमाण हे २००६ ते २०१६ या कालावधीमध्ये १.९ टक्के व २.६ टक्के इतके वाढलेले दिसून येते. ज्यामध्ये १६ ते १८ या वयोगटातील बालकांचे प्रमाण आढळून आले.

विधीसंघर्षग्रस्त बालकांचे अपराध, विधीसंघर्षग्रस्त बालकांच्या गुन्ह्याच्या प्रमाणाशी एकुण गुन्ह्यांचे प्रमाण व विधीसंघर्षग्रस्त बालकांच्या गुन्ह्याचे प्रमाण २००६ ते २०१६

वर्ष	विधीसंघर्षग्रस्त बालक	विधीसंघर्षग्रस्त बालकांच्या गुन्ह्याचे एकुण गुन्ह्यांशी प्रमाण	विधीसंघर्षग्रस्त बालकांच्या गुन्ह्याचे प्रमाण
2006	25817	1.1	1.9
2007	27028	1.1	2
2008	27691	1.2	2.1
2009	28247	1.1	2
2010	25298	1	1.9
2011	27962	1.1	2.1
2012	31973	1.2	2.6
2013	35861	1.2	2.7
2014	38565	1.2	2.7
2015	33433	1.1	2.5
2016	35849	1.2	2.6

Source: NCRB reports from 2006-2016 in crime

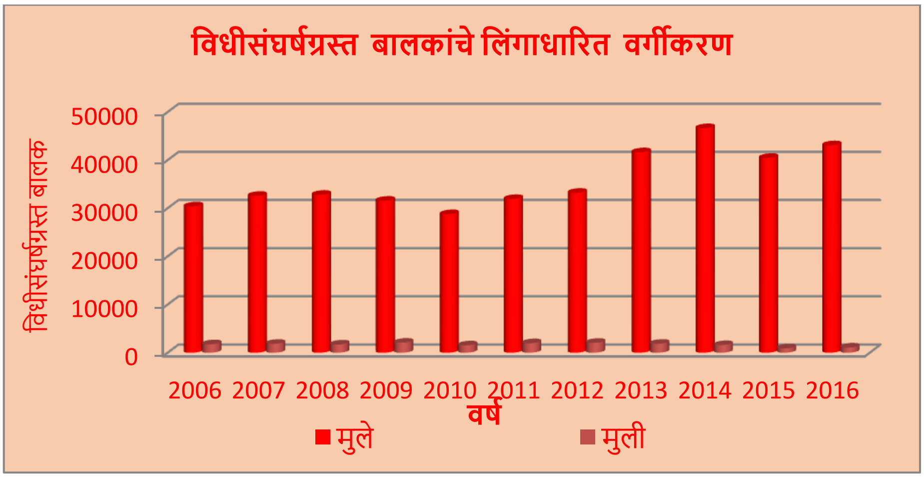


वरील तक्त्यावरून असे दिसून येते की विधी संघर्ष ग्रस्त बालकांच्या अपराधाचे प्रमाण वर्गनीहाय वाढलेले दिसून येते. विधी संघर्षग्रस्त बालक गुन्हे प्रमाण दर हा वाढताना दिसून येतो.

एकूण पकडलेले विधीसंघर्षग्रस्त बालके आणि लिंगाधारित पकडलेली विधीसंघर्षग्रस्त बालके

वर्ष	पकडलेले विधीसंघर्षग्रस्त बालक	मुले	मुली
2006	32145	30375	1770
2007	34527	32571	1856
2008	34507	32795	1712
2009	33642	31550	2092
2010	30303	28763	1540
2011	33887	31909	1978
2012	35012	33205	2058
2013	43506	41639	1867
2014	48230	46638	1592
2015	41385	40468	917
2016	44171	43089	1082

Source: NCRB reports from 2006-2016 in crime



वरील तक्त्यामध्ये विविध अपराधाखाली भारतीय दंडसंहिता अंतर्गत विधीसंघर्षग्रस्त बालक यांची सद्यस्थिती दर्शविण्यात आली आहे. एकुण पकडलेले विधीसंघर्षग्रस्त बालके यांचे प्रमाण हे वाढलेले दिसून येते. (प्रामुख्याने मुलांचे) तर मुलींचे प्रमाण हे घटते दिसून येते.

गुन्ह्यांचे प्रकारः

पुढील तक्त्यात भारतीय दंड संहिता अंतर्गत विविध गुन्ह्यांच्या अंतर्गत पकडलेले विधीसंघर्षग्रस्त बालके दिसून येतात.

गुन्हा /वर्ष	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
खून	605	672	743	844	679	888	990	1007	841	853	892
खुनाचा प्रयत्न	489	547	563	603	543	642	876	885	728	980	933
दुखापत	355	3810	4257	3646	3800	4096	4681	4902	1568	1027	1151
अपहरण	271	301	254	396	524	760	789	1121	1455	1630	1538
दंगा	988	1440	1574	1422	1081	1347	1690	1486	1092	1017	1315
चोरी	5316	5606	5615	5253	4930	5320	552	6386	6717	6046	7717
घरफोडी	2675	2603	2702	2431	2271	2609	2625	2860	2546	2605	2747
दरोडा	321	409	500	72	551	639	767	904	1024	1358	1256
डाका	99	144	161	150	97	134	174	160	182	193	218
बलात्कार	656	746	776	798	858	1149	1175	1884	1989	1688	1903
लैगिक शोषण	148	129	132	153	174	168	183	312	113	111	81
विनयभंग	488	476	560	474	546	573	613	1424	1591	1439	1540
छळणूक	219	302	239	284	283	322	261	281	209	97	0

Source: NCRB reports from 2006-2016 in crime

वरील टेबल वरुन स्पष्ट होते की, विधीसंघर्षग्रस्त बालके जे विविध गुन्ह्याखाली अटक झालेले होते. त्यामध्ये खून खूनाचा प्रयत्न, दुखापत, अपहरण याप्रकारच्या अपराधाचे प्रमाण वाढलेले पहावयास मिळते. चोरी व दरोडा या अपराधामध्ये वाढ झालेली दिसून येते, तर घरफोडी व डाका यामध्ये चढ-उतार पहावयास मिळतो. बलात्कार व विनयभंग या प्रकारच्या अपराधामध्ये मोठ्या प्रमाणात वाढ झालेली पहावयास मिळते.

विधीसंघर्षग्रस्त बालकांचे गुन्हेगारीकडे वळण्याचे कारणे :

बालकाचे अपराधाकडे वळण्याचे विविध प्रकारची कारणे आढळून येतात. जसे की, सामाजिक घटकामध्ये कुटुंबाचा प्रभाव, आर्थिक परिस्थिती, चुकीचे शेजारी, शैक्षणिक मागासलेपण ही काही महत्त्वाची कारणे दिसून येतात. ज्यामुळे बालके हे गुन्हेगारीकडे वळताना दिसून येतात. राष्ट्रीय गुन्हे अन्वेषण विभागाच्या अहवालानुसार तीन महत्त्वाची प्रमुख कारणे सांगितली आहेत.

१) कुटुंब :

विभक्त कुटुंबपद्धती, पालकांपासून दूर असलेली मूले, निराधार यामुळे ते गुन्हेगारीकडे वळतात. संशोधनावरुन असे आढळून आले की, पालकाच्या नियंत्रणाच्या अभाव व पालकांच्या मुलाबाबतच्या समज व गैरसमज इत्यादीमुळे मुलांवर विपरित परिणाम होत असतो.

२) आर्थिक परिस्थिती :

ज्या कुटुंबाचे वार्षिक उत्पन्न २५००० रुपयापेक्षा कमी असेल ती कुटुंबे बऱ्याच समस्यांचा सामना करताना दिसतात. कमी उत्पन्न गटातील मुले ही समस्याग्रस्त असल्याने त्यांच्यामध्ये व्यसनाधिनता, शाळा गळतीचे प्रमाण दिसून येते.

३) शैक्षणिक अपयश : विधीसंघर्षग्रस्त बालके ही शैक्षणिकदृष्ट्या मागासलेली दिसून येतात. त्यांच्यामध्ये शिक्षणाचे प्रमाण हे कमी दिसून येते. शैक्षणिक क्षमता कमी असल्यामुळे ते अपराधाकडे वळताना दिसून येतात. वरील तिन्ही कारणाव्यतिरिक्त पालकांच्या मार्गदर्शनाची कमतरता, प्रेम व काळजीचा अभाव, कुटुंबाचे कमी असलेले उत्पन्न इत्यादींमुळे मुलांच्या मनावर फार मोठ्या प्रमाणावर तणाव निर्माण होऊन ते टोकाची भूमिका घेताना दिसतात.

सारांशः

विधीसंघर्षग्रस्त बालके यांच्या गुन्ह्याच्या प्रकाराचा अभ्यास केला असता असे दिसून येते की, वाढत्या लोकसंख्येनुसार गुन्हेगारीचा दर वाढताना दिसत आहे. यासाठी विविध सामाजिक व आर्थिक कारणे जबाबदार असल्याचे दिसून येते.

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आढाव रविंद्र पंडित[१], डॉ. हिरामण एम. क्षिरसागर[२]

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Corresponding Author- आढाव रविंद्र पंडित

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सरांश

इमारत बांधकाम कामगाराचे नोकरीनंतर ना आरोग्य चांगले राहते, ना हातात पैसा. अशा परिस्थिती या कामगारांना उतारवयात पुन्हा जगण्यासाठी संघर्ष करावा लागतो. इमारत बांधकाम कामगारांची ही समस्या सोडविण्यासाठी वेगळा विचार करणारे हे संशोधन आहे. आजकालच्या आधुनिक, धकाधकीच्या व स्पर्धात्मक युगात, त्याच चिकाटीने बांधकाम क्षेत्रात काम करणाऱ्या बांधकाम कामगार यांचे पाल्य व उद्याची उज्वल पिढी घडविण्यासाठी सखोल विचार करण्याची गरज आहे. बांधकाम क्षेत्र हे अर्थव्यवस्थेतील महत्वाचे क्षेत्र आहे. यापासून केंद्र व राज्य शासनास महसूल निरनिराळया कराच्या रूपाने मिळत असतो. सध्या नाशिक जिल्ह्यात अनेक ठिकाणी मोठ्या प्रमाणावर बांधकाम चालू आहेत. सरासरी अंदाजे एका बांधकाम क्षेत्रावर सर्व साधारण १०० कामगार असतात. एकूण लोकसंख्येच्या ५६ टक्के लोकांचे भवितव्य या बांधकाम व्यवसायावर आहे. केवळ सहा ते सात हजार रुपयांपर्यंत मासिक पगार इमारत बांधकाम कामगारांना मिळतो. काम संपल्यानंतरही हातात फारसे काही पडत नाही. पगारही वेळेवर होत नाहीत. कारण यासाठी स्पष्ट नियमावलीचा आभाव आहे. त्यामुळे एकूण या क्षेत्रातील कामगारांची आर्थिक ओढाताण होते.

सुचनक शब्द: इमारत बांधकाम कामगार, पगार, समाधान मात्रा

प्रस्तावना

सामान्यपणे कोणत्याही देशात व प्रदेशात विकास हा उपलब्ध नैसर्गिक साधनसामग्री, वित्तीय भांडवल, मानवी भांडवल व त्याचा दर्जा या संसाधनांच्या कार्यक्षम वापरावर अवलंबून असतो, हे अनेक अभ्यासातून स्पष्ट होते (देशपांडे, २०१०). देशाच्या आर्थिक विकासाच्या संदर्भात अर्थतज्ज्ञांमध्ये काळानुसार विविध दृष्टिकोन विकसित झाल्याचे दिसून येते. सनातनवादी संप्रदायांनी आर्थिक विकासाच्या प्रक्रियेत नैसर्गिक संसाधने व भौतिक भांडवलाला अधिक महत्त्व दिले आहे.

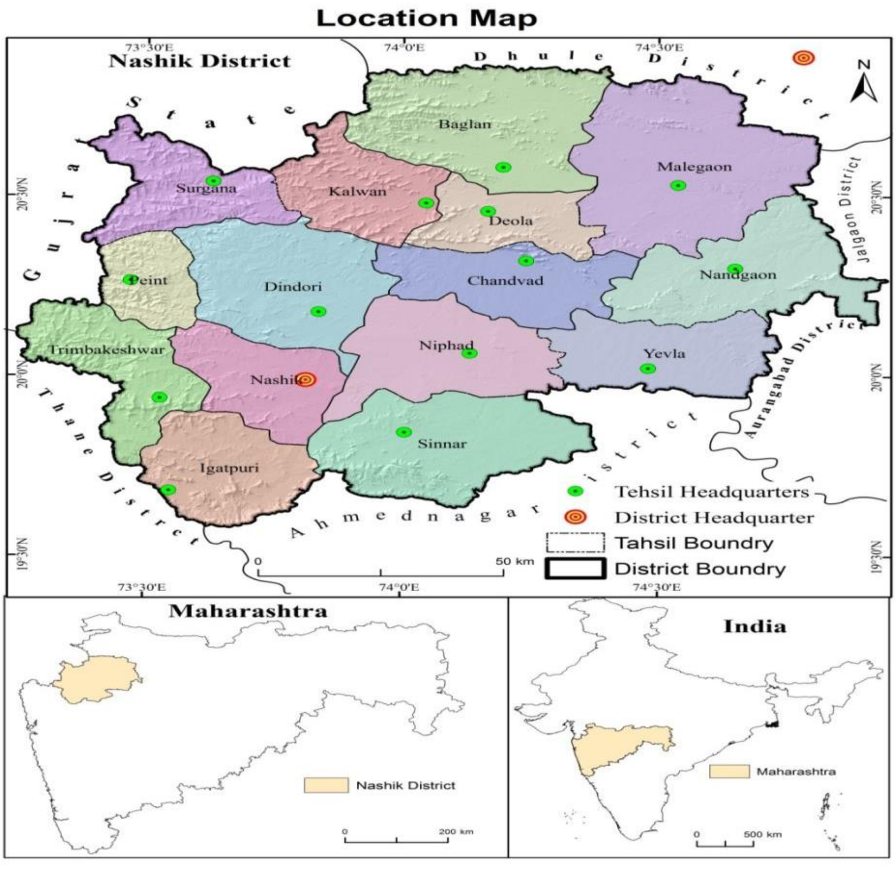
राष्ट्रीय उत्पन्न व दरडोई उत्पन्नात वाढ होणे म्हणजे आर्थिक विकास होय; हा विचार सनातनवादी संप्रदायांनी मांडला (कविमंडन, २०११). १९ व्या शतकाच्या उत्तरार्धापर्यंत आर्थिक विचारांवर सनातनवादी विचारांचा प्रभाव असल्याने देशातील मानवी संसाधन विकासाकडे दुर्लक्ष करुन देशाच्या राष्ट्रीय उत्पन्न वाढीला अधिक महत्त्व दिले. अशा देशातील आर्थिक विकास तुलनेने फारसा होऊ शकला नाही. तर याउलट ज्या राष्ट्रांनी देशातील मानव संसाधनाचा दर्जा विकसित करण्याला महत्त्व देऊन त्यासाठी मोठी गुंतवणूक केली अशा राष्ट्रांना कल्याणकारी राज्याची संकल्पना प्रस्थापित करणे शक्य झाले. तसेच समन्यायी जलद आर्थिक विकासाची उद्दिष्ट साध्य करता आले हा वास्तव अनुभव आहे. इमारत बांधकाम कामगार अनेक वर्ष इमारत बांधकाम क्षेत्रात सेवा करतो. त्यामुळे त्याला गावं-नातलंग सर्व तुटलेले असतात. वयोवृद्ध झाल्यावर तो गावी स्थिर होवू शकत नाही. तेथील परिस्थिती त्याला सामावून घेत नाही. त्याला वयोवृद्ध नंतर गावी साधे घरही बांधता येत नाही. हे विदारक सत्य आहे. सरकारी कामासाठी आवश्यक असलेली गावातील ओळखपत्र त्याच्याकडे नसातात. त्यामुळे योजनांचाही फायदा घेता येत नाही. अन्य सरकारी सेवांमधून निवृत्त झाल्यानंतर मिळणाऱ्या सोयीसुविधा इमारत बांधकाम कामगारांना नसतात. कामावर असतांना मिळालेली तुटपुंजी रक्कम घेऊन तो गावाकडे येतो. तेथे आल्यावर त्याची परवड सुरू होते. रहायला घर नाही, मुले लग्नाला आलेली, त्यांना नोकरी नाही. व्यवसाय सुरू करायचा तर पुरेसे भांडवल नाही. आयुष्यभर बांधकाम करून राबल्यानंतरही गावी आल्यावर जगण्यासाठी नव्याने संघर्ष सुरू करावा लागतो. या परिस्थितीवर मात करण्यासाठी काही उपाययोजना करण्याची गरज आहे. कामगारांच्या ज्या संघटना आहेत,

त्या नोकरीवर असताना पगारवाढ किंवा अन्य मागण्यांसंबंधी काम करतात. मात्र, कामगारांच्या कौटुंबिक गरजा, त्यांच्या अन्य अडचणी आणि सेवानिवृत्तीनंतर मदत करणारी यंत्रणा नाही. ती निर्माण होण्याची गरज आहे. अन्य क्षेत्रात जशा संघटना, संस्था, क्लब कार्यरत आहेत, तसा प्रयोग इमारत बांधकाम कामगारांसाठी केला पाहिजे.

इमारत बांधकाम कामगारांच्या सर्व गरजा पूर्ण करणारे एखादे व्यासपीठ असावे म्हणून सदरचे संशोधन कार्य हाती घेतलेले आहे. त्याद्वारे त्यांचे प्रश्न सोडविण्यासोबतच जीवनाची दिशा देण्याचा प्रयत्न राहील. त्यांच्यासाठी मेळावे, प्रशिक्षण शिबिरे, पुरस्कार योजना, सत्कार आणि प्रोत्साहन देणारे उपक्रम, सांस्कृतिक कार्यक्रम, साहित्यिक कार्यक्रम, चर्चासत्र, सामुदायिक विवाह, खेळ, मनोरंजन असे जे काही आवश्यक आहे, ते इमारत बांधकाम कामगार डोळयासमोर ठेवून आयोजित करणारे हे व्यासपीठ असावे, असा उद्देश आहे. सरकारी योजनांचा इमारत बांधकाम कामगारांना लाभ मिळवून देता येईल का, त्यांच्यासाठी घरकुल योजना राबविता येईल का, आरोग्य सुविधा निर्माण करता येतील का, याचाही विचार संशोधनात केला जाणार आहे. इमारत बांधकाम कामगारांचे मुलांकडे दुर्लक्ष होते हे नाकारून चालणार नाही. मात्र, अनेकांची मुले हुशार असतात. त्यांना चांगले गुण मिळतात. मात्र पुढे जाण्याचे मार्ग माहिती नसतात, त्यांना मार्गदर्शन उपलब्ध करून दिले तर इमारत बांधकाम कामगारांची मुलेही स्पर्धा परीक्षांत चमकून वरिष्ठ अधिकारी होऊ शकतात. त्यांच्यातून कलावंत, साहित्यिक, विचारवंत, कुशल अभियंते, खेळाडू, अभिनेतेही बनू शकतात. त्यासाठी त्यांना मार्गदर्शन आणि संधी उपलब्ध करून देणारी यंत्रणा हवी. त्यांच्यासाठी आवश्यक त्या सुविधा उभारण्याची गरज आहे. आतापर्यंत इमारत बांधकाम कामगारांच्या बाबतीत असा व्यापक विचार कधी झाला नाही. पगारवाढ आणि वेतनकरार एवढ्यापुरतेच त्यांचे प्रश्न मांडले गेले. बांधकामाच्या ठिकाणी काम करीत असताना त्याचे आयुष्य यापुरताच विचार केला गेला. मात्र, त्याचे कुटुंब, त्यांची मुले, निवृत्तीनंतरचे जीवन याबद्दल विचार झाला नाही. तो या संशोधनाच्या आधारे हाती घेतला आहे.

अभ्यास क्षेत्र

प्रस्तुत संशोधनासाठी महाराष्ट्र राज्यातील नाशिक जिल्ह्याची निवड करण्यात आली आहे.



आकृती क्र. १ : अभ्यास क्षेत्राचा नकाशा

उद्दिष्टे

1. नाशिक जिल्ह्यातील इमातर बांधकाम कामगारांची समाधानमात्रेचा अभ्यास करणे.

संशोधन पद्धती

बांधकाम क्षेत्रातील उत्पन्न वाढीसाठी इमारत बांधकाम कामगारांचे समाधान हा सर्वात महत्वाचा घटक आहे. बांधकाम कामगारांचे समाधान मात्रा काढण्यासाठी टक्केवारी आणि सरासरी निर्देशांकाच्या रूपात त्याचे रूपांतर करण्यासाठी ही पद्धत महत्वाची आहे. संशोधकाने टक्केवारीत आणि सरासरीच्या प्रमाणात समाधानाची टक्केवारीचा वापर करुन समाधानी निर्देशांक मोजण्यासाठी चाचणी केली आहे. बांधकामाच्या ठिकाणी उपलब्ध असलेल्या सुविधा बदलण्यासाठी असे मूल्यांकन करणे महत्वाचे आहे.

व्यस्थानावर वेगवेगळ्या ठिकाणांहून येणाऱ्या कामगारांची वर्तणूक, विचार, मते आणि अपेक्षा वेगवेगळ्या असू शकतात. कामगारांना आवश्यक सुविधा दिल्या गेल्या तर नक्कीच त्यांना समाधान मिळेल व बांधकाम क्षेत्राची प्रतिष्ठा वाढविण्यात मदत होईल. सदरच्या संशोधनात यादृच्छिक नमुना सर्वेक्षण पद्धतीचा वापर केला गेला आहे. बांधकाम कामगारांच्या समाधानाचे मूल्यांकन करण्यासाठी प्रश्नावली तयार करण्यात आली. विविध सुविधांबाबत त्यांची मते घेऊन निवास, वाहतूक, कामाचे तास, प्रशिक्षण, पिण्याचे पाणी, आरोग्य, व्यवस्थापन, सुरक्षा आणि वेतन याबद्दल बांधकाम कामगारांना उत्कृष्ट, चांगले, समाधानकारक आणि असमाधानकारक असे सांगून विविध सुविधांविषयी त्यांची मते नमूद करण्यास सांगितले गेले.

समाधामात्रा काढण्याचे सूत्र :

Sti=εMi NiN

नमुना निवड: संशोधकाने स्वतः अभ्यास क्षेत्रास भेट देऊन निरीक्षण प्रश्नावली व प्रत्यक्ष मुलाखतीद्वारे माहिती संकलित केली आहे. प्राथमिक श्रोताद्वारे विश्वसनीय व वस्तुनिष्ठ माहिती मिळविण्याचा संशोधकाने कसोशीने प्रयत्न केला आहे. संशोधनासाठी आवश्यक माहिती मिळविताना कोणताही पक्षपातीपणा केला नाही. तसेच कोणताही पूर्वग्रहदूषित दृष्टिकोन न बाळगता सत्य व वास्तव माहिती मिळविण्याचा प्रयत्न केला आहे. त्यासाठी नाशिक जिल्ह्यातील नमुना म्हणून ८ तालुक्यांची (निफाड, दिंडोरी, चांदवड, इगतपुरी, सिन्नर, नांदगाव, कळवण आणि नाशिक) निवड करून या तालुक्यांतील ३२५ बांधकाम कामगारांची (गवंडी, सुतार, रंगारी, प्लंबर, विद्युत तंत्रज्ञ, मदतनीस) मुलाखत, अनुसूची भरून घेतली आहे. प्रस्तुत संशोधनासाठी आवश्यक असलेली माहिती व आकडेवारी मिळविण्यासाठी पुढील प्राथमिक स्रोतांचा अवलंब केला आहे.

निष्कर्ष:

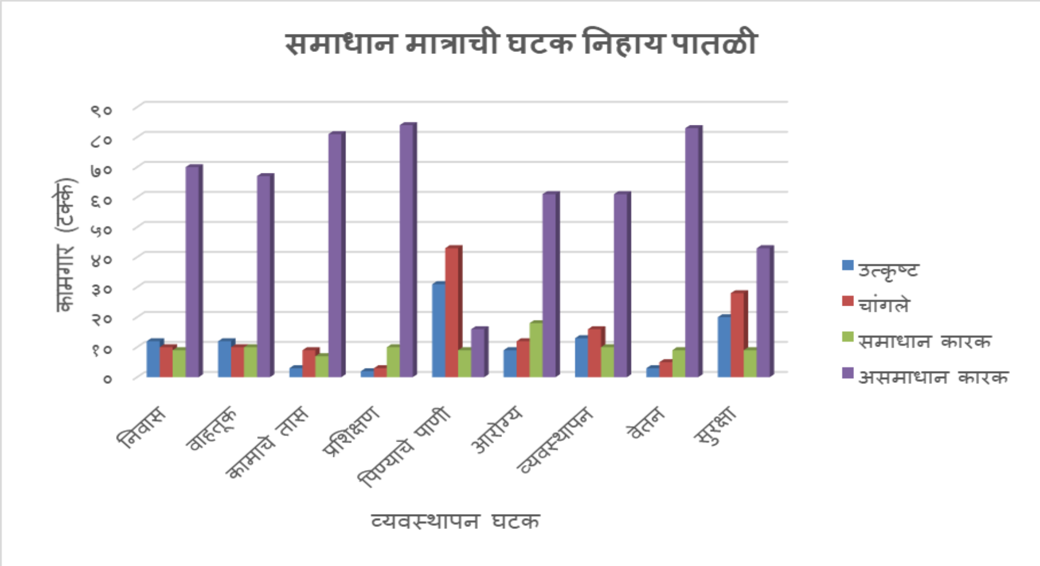
या समाधान मात्रा पद्धतीत बांधकाम कामगारांच्या समाधानाच्या क्रमवारीचे मूल्यांकन करण्याचा प्रयत्न केला गेला आहे. पुढील सारणीत यांचे सूचकवार वितरण दर्शविले आहे.

सारणी क्र. १ : समाधान मात्राची घटक निहाय पातळी (Mi)

अ.क्र.	व्यवस्थापन घटक	उत्कृष्ट		चांगले		समाधान कारक		असमाधान कारक		एकूण	एकूण
		संख्या	टक्के	संख्या	टक्के	संख्या	टक्के	संख्या	टक्के	संख्या	टक्के
१	निवास	३८	१२	३२	१०	२९	०९	२२६	७०	३२५	१००
२	वाहतूक	४०	१२	३४	१०	३३	१०	२१८	६७	३२५	१००
३	कामाचे तास	१०	०३	२८	०९	२४	०७	२६३	८१	३२५	१००
४	प्रशिक्षण	०८	०२	१०	०३	३३	१०	२७४	८४	३२५	१००
५	पिण्याचे पाणी	१०२	३१	१४१	४३	३०	०९	५२	१६	३२५	१००
६	आरोग्य	२८	०९	३८	१२	६०	१८	१९९	६१	३२५	१००
७	व्यवस्थापन	४३	१३	५२	१६	३३	१०	१९७	६१	३२५	१००
८	वेतन	११	०३	१७	०५	२८	०९	२६९	८३	३२५	१००
९	सुरक्षा	६४	२०	९०	२८	३०	०९	१४१	४३	३२५	१००
एकूण		३४४	१०६	४४२	१३६	३००	९२	१८३९	५६६	२९२५	९००
टक्के		१२		१५		१०		६३			१००

स्रोत: संशोधकाद्वारे गणना केलेली आकडेवारी

आकृती क्र. १: समाधान मात्राची घटक निहाय पातळी



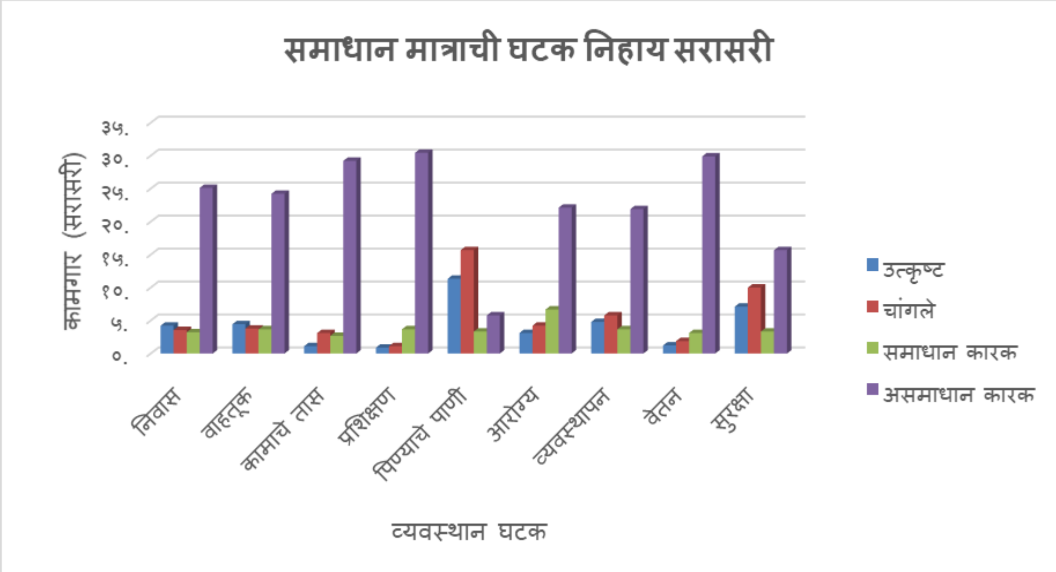
वरील सारणी व आकृतीमध्ये बांधकाम कामगारांच्या समाधान मात्राची घटक निहाय पातळीचे विश्लेषण केले आहे. नाशिक जिल्ह्यातील ८ तालुक्यातील वेगवेगळया विषयांवर मुलाखत घेतलेल्या ३२५ कामगारांच्या मताशी संशोधन संबंधित आहे. कामगारांच्या आर्थिक व सामाजिक जीवनावर परिणाम करणारे नऊ घटक आहेत. समाधान निर्देशांक मोजताना बांधकाम क्षेत्रातील एकूण सुविधांविषयी बांधकाम कामगारांच्या दृष्टीकोनातून विचार केला जातो. ६३ टक्के बांधकाम कामगारांच्या मतानुसार, बांधकामठिकाणाच्या सुविधा ह्या असमाधान कारक स्वरूपाच्या आहेत. अर्थातच ६३ टक्के बांधकाम कामगार याबाबत असमाधान कारक आहेत. १५ टक्के बांधकाम कामगारांनी नोंद केली की सर्व सुविधा चांगल्या आहेत. १२ टक्के बांधकाम कामगारांच्या मते येथील सुविधा ह्या उत्कृष्ट स्वरूपाच्या आहेत. १० टक्के बांधकाम कामगार जे बांधकाम ठिकाणी त्यांना उपलब्ध असलेल्या सुविधांवर समाधानी आहेत. याचाच अर्थ केवळ ३७ टक्के बांधकाम कामगार तेथील सुविधांवर समाधानी आहेत व ६३ टक्के बांधकाम कामगार असमाधानी आहेत.

सारणी क्र. २ : समाधान मात्राची घटक निहाय सरासरी (Ni)

अ.क्र.	व्यवस्थापन घटक	समाधान मात्राची सरसरी (टक्के)			
		उत्कृष्ट	चांगले	समाधान कारक	असमाधान कारक
१	निवास	४.२२	३.५६	३.२२	२५.११
२	वाहतूक	४.४४	३.७८	३.६७	२४.२२
३	कामाचे तास	१.११	३.११	२.६७	२९.२२
४	प्रशिक्षण	०.८९	१.११	३.६७	३०.४४
५	पिण्याचे पाणी	११.३३	१५.६७	३.३३	५.७८
६	आरोग्य	३.११	४.२२	६.६७	२२.११
७	व्यवस्थापन	४.७८	५.७८	३.६७	२१.८९
८	वेतन	१.२२	१.८९	३.११	२९.८९
९	सुरक्षा	७.११	१०.००	३.३३	१५.६७

स्रोत: संशोधकाद्वारे गणना केलेली आकडेवारी

आकृती क्र. २ : समाधान मात्राची घटक निहाय सरासरी

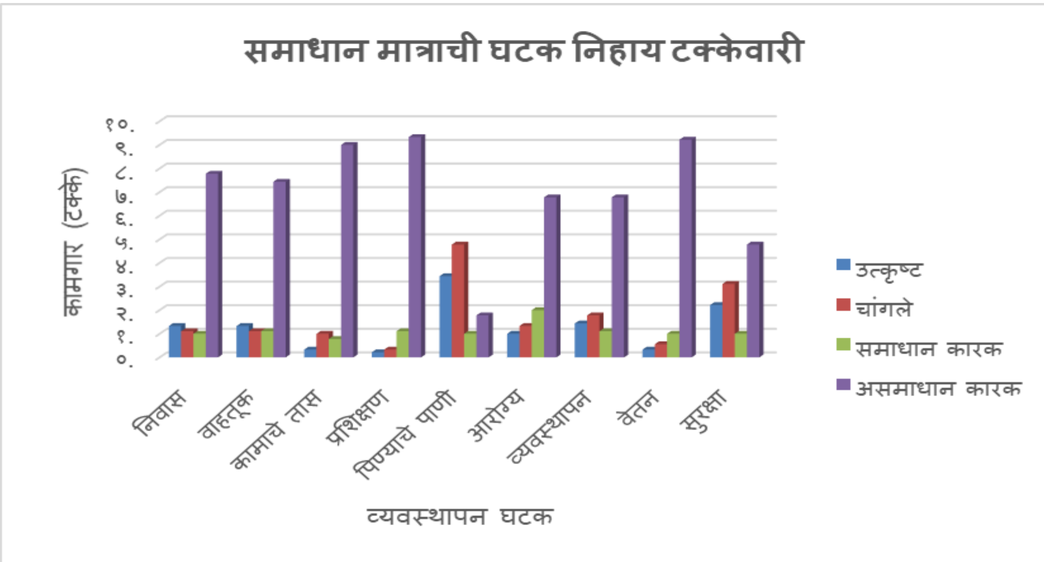


सारणी क्र. ३ : समाधान मात्राची घटक निहाय टक्केवारी

अ.क्र.	व्यवस्थापन घटक	समाधान मात्राची टक्केवारी			
		उत्कृष्ट	चांगले	समाधान कारक	असमाधान कारक
१	निवास	१.३३	१.११	१.००	७.७८
२	वाहतूक	१.३३	१.११	१.११	७.४४
३	कामाचे तास	०.३३	१.००	०.७८	९.००
४	प्रशिक्षण	०.२२	०.३३	१.११	९.३३
५	पिण्याचे पाणी	३.४४	४.७८	१.००	१.७८
६	आरोग्य	१.००	१.३३	२.००	६.७८
७	व्यवस्थापन	१.४४	१.७८	१.११	६.७८
८	वेतन	०.३३	०.५६	१.००	९.२२
९	सुरक्षा	२.२२	३.११	१.००	४.७८

स्रोत: संशोधकाद्वारे गणना केलेली आकडेवारी

आकृती क्र. ३ : समाधान मात्राची घटक निहाय टक्केवारी



वरील सारणी व आकृती मध्ये घटक निहाय सरासरी समाधान मात्रा आणि घटक निहाय टक्केवारी समाधान मात्रा मोजली आहे. या कार्यासाठी, बांधकाम कामगारांना प्रत्येक घटकामधून मिळालेल्या समाधानाच्या अपवादात्मक अवस्थेसाठी गुण (० ते १०) देणे आवश्यक होते. सदर गुणांची पडताळणी केली असता असे निदर्शनास आले की, बांधकाम ठिकाणी मिळणारे पिण्याचे पाणी उत्तम दर्जाचे आहे असे मानणारे ११.३३ सरासरी व ३.४४ टक्के बांधकाम कामगार समाधानी आहे. तसेच १५.६७ व ४.७८ बांधकाम कामगार पिण्याचे पाणी चांगले आहे या बाबत समाधानी आहे. बांधकामाच्या ठिकाणाहून मिळणारी आरोग्य सेवा समाधानकारक आहे असे सरसरी ६.६७ व २.०० टक्के बांधकाम कामगारांना वाटते. मात्र सरासरी ३०.४४ व ९.३३ टक्के बांधकाम कामगार प्रशिक्षणाबाबत असमधानकारक आहे हे स्पष्ट होते.

सारणी क्र. ४ : क्रमानुसार घटक निहाय समाधान मात्रा (SIi)

अ. समाधान मात्रा टक्केवारी पद्धत

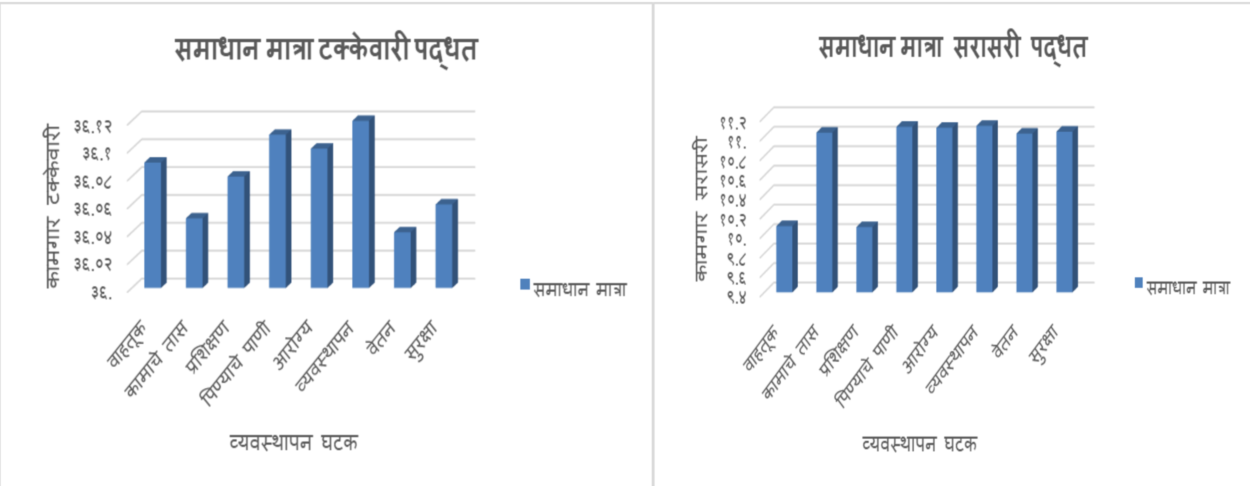
अ.क्र.	व्यवस्थापन घटक	समाधान मात्रा	क्रम
१	निवास	३६.०७	६
२	वाहतूक	३६.०९	४
३	कामाचे तास	३६.०५	८
४	प्रशिक्षण	३६.०८	५
५	पिण्याचे पाणी	३६.११	२
६	आरोग्य	३६.१०	३
७	व्यवस्थापन	३६.१२	१
८	वेतन	३६.०४	९
९	सुरक्षा	३६.०६	७

ब. समाधान मात्रा सरसरी पद्धत

अ.क्र.	व्यवस्थापन घटक	समाधान मात्रा	क्रम
१	निवास	११.०६	६
२	वाहतूक	१०.०८	४
३	कामाचे तास	११.०४	८
४	प्रशिक्षण	१०.०७	५
५	पिण्याचे पाणी	११.१०	२
६	आरोग्य	११.०९	३
७	व्यवस्थापन	११.११	१
८	वेतन	११.०३	९
९	सुरक्षा	११.०५	७

स्रोत: संशोधकाद्वारे गणना केलेली आकडेवारी

आकृती क्र. ४: क्रमानुसार घटक निहाय समाधान मात्रा



वरील सारणी व आकृती मध्ये क्रमानुसार घटक निहाय समाधान मात्रा टक्केवारी व सरासरी पद्धतीने तुलना केली आहे. निवास सुविधेसाठी समाधानी निर्देशांक ३६.०७ टक्के, वाहतूक सुविधेसाठी समाधानी निर्देशांक ३६.०९ टक्के, कामाचे तास सुविधेसाठी समाधानी निर्देशांक ३६.०५ टक्के, प्रशिक्षण सुविधेसाठी समाधानी निर्देशांक ३६.०८ टक्के, पिण्याचे पाणी सुविधेसाठी समाधानी निर्देशांक ३६.११ टक्के, आरोग्य सुविधेसाठी समाधानी निर्देशांक ३६.१० टक्के, व्यवस्थापन सुविधेसाठी समाधानी निर्देशांक ३६.१२ टक्के, वेतन सुविधेसाठी समाधानी

निर्देशांक ३६.०४ टक्के तर सुरक्षा सुविधेसाठी समाधानी निर्देशांक ३६.०६ टक्के आहे.

आलेल्या समाधान मात्रातून हे स्पष्ट होते की, व्यवस्थापन सुविधे संदर्भात बांधकाम कामगारांचे मत प्रथम क्रमांकावर आहे. पिण्याच्या पाण्याला द्वितीय क्रमांक, आरोग्य सुविधेला तिसरा क्रमांक मिळाला आहे. वाहतूक, प्रशिक्षण, निवास, सुरक्षा, कामाचे तास आणि वेतन यांना अनुक्रमे चौथा, पाचवा, सहावा, सातवा, आठवा आणि नऊवा क्रमांक प्राप्त झाला.

व्यवस्थापन, पिण्याचे पाणी आणि आरोग्य सुविधेला समाधानी निर्देशांकात उच्च स्थान मिळाले. बांधकाम क्षेत्राच्या विकासासाठी हे घटक अधिक महत्त्वाचे आहेत. आर्थिक व सामाजिक समाधान मिळणे हे बांधकाम कामगारांचे मुख्य उद्दीष्ट आहे. कामाच्या ठिकाणातील वाहतूक, प्रशिक्षण, निवास, सुरक्षा, कामाचे तास आणि वेतन सुविधांमध्ये सुधारणा केली जाणे आवश्यक आहे.

संदर्भ ग्रंथ

1. कविमंडन विजय (२०११) विकासाचे अर्थशास्त्र आणि नियोजन, श्री. मंगेश प्रकाशन, २३ नवी रामदास पेठ, नागपूर.
2. जोशी सी.एम., बडे व्ही. यु., जगदाळे ए.एम (२००७) सहकार, नरेंद्र प्रकाशन.
3. देशपांडे जोत्स्ना (२०११) विकासाचे अर्थशास्त्र, पिंपळापुरे अॅण्ड कंपनी पब्लिकेशन, नागपूर.
4. देशपांडे मृणालिनी (२०१०) विकासाचे अर्थशास्त्र व सिध्दांत, श्री. प्रमोद मुंजे, विद्या प्रकाशन, रुईकर रोड, महाल, नागपूर.
5. नॅफ्सकॉब (२०१२-१३) तक्ता क्र. १.
6. पुरोहित वसुधा (२०१०) आर्थिक विकास व नियोजन आणि सांख्यिकीय पध्दती, विद्या बुक्स पब्लिशर्स, औरंगपुरा, औरंगाबाद.
7. महाराष्ट्र शासन (२०१२-१३) जिल्हा आर्थिक व सामाजिक समालोचन, अर्थ व सांख्यिकी संचालनालय, नियोजन विभाग, मुंबई.
8. माथुर बी. एस. (१९७१) साहित्यभवन, आग्रा प्रथम आवृत्ती.
9. शर्मा बी. पी. (१९८५) भारतीय आर्थिक विकासातील व्यापारी बँकांचे स्थान, एस. चाँद अॅण्ड कंपनी लि. नवी दिल्ली.
10. शहा रूपा एस., व दामजी बी. एच. (२००५) सहकाराचा विकास, फडके प्रकाशन कोल्हापूर.
11. सागर के. व पाटील व्ही. बी. (२००७) सहकार पणन व वस्त्रोद्योग, दीपस्तंभ प्रकाशन.
12. सिंह एस. पी. (२००५) आर्थिक विकास एवं नियोजन, एस यदि अॅण्ड कंपनी लि., नई दिल्ली.

डॉ. बाबासाहेब आंबेडकरांचा आधुनिक भारताचा दृष्टिकोण

Sneha Sonyabapu Solanke
Dept of political science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
Corresponding Author- Sneha Sonyabapu Solanke
Email: snehasolanke70@gmail.com
DOI- 10.5281/zenodo.10547839

गोषवारा :-

आधुनिक भारताची निर्मिती ही समता, स्वातंत्र्य, बंधुता, न्याय, धर्मनिरपेक्षता, समाजवाद, राष्ट्रवाद, लोकशाही मुलतत्वांवर आधारित झाली आहे. परंतु आजच्या काळात या मुलतत्वांवर घाला घालण्याचे काम पुरणमंतवादी आणि धर्माधिष्ठित लोक त्यांच्या वक्तव्य, कृतीमधून करत असतात. हे देशाच्या सर्वांगीण विकासाला मारक आहे. देशाच्या विकासासाठी आधुनिक मूल्यांची गरज आहे त्यामुळे डॉ. बाबासाहेब आंबेडकरांचा आधुनिक दृष्टिकोण जाणून घेणे आवश्यक आहे. म्हणून प्रस्तुत शोधनिबंधात त्यांच्या आधुनिक दृष्टिकोणाचा अभ्यास करण्यात येणार आला आहे.

बिजशब्द :- डॉ. बाबासाहेब आंबेडकर, भारत, दृष्टिकोण, आधुनिक भारत, आधुनिक दृष्टिकोण

प्रस्तावना :-

ब्रिटिशांच्या भारतातील आगमनामुळे जी नवी मूल्ये व विचार भारतात आले त्यामुळे जुनाट रूढी प्रथा परंपरा मध्ये अडकलेल्या समग्र भारतीय समाजाची त्यातून सुटका होऊन आधुनिक होण्याची प्रक्रिया सुरू झाली असे मानले जाते. ब्रिटिशांच्या भारतातील आगमनानंतर लॉर्ड मेकॉले यांच्या शिक्षण पद्धतीचा परिणाम म्हणून भारतीयांच्या ज्ञानाच्या कक्षा रूंदावल्या त्यातूनच त्यांना नवनवीन विचारसरणीचा अभ्यास करता आला. भारतीय समाजव्यवस्थेमध्ये परंपरागत अनिष्ट प्रथांचा सामाजिक चळवळीमधून समाजसुधारकांनी विरोध केला व भारतीय समाजाला विविध अंधश्रद्धेतून मुक्त करण्याचा प्रयत्न केला. भारतीय समाजाला पाश्चात्य जगाची प्रगती, विकास यांची माहिती होऊ लागली त्यामुळे सतीप्रथा, जातीव्यवस्था, मूर्तिपूजा, कर्मकांडांना विरोध होऊ लागला. राष्ट्रवाद, बंधुभाव, एकता, लोकशाही, स्वातंत्र्य या आधुनिक संकल्पना भारतामध्ये रुजवण्यासाठी अनेक भारतीय समाजसुधारकांनी पुढाकार घेतला. त्या समाजसुधारकांमध्ये डॉ. बाबासाहेब आंबेडकर यांचे भारताला आधुनिकतेकडे नेण्यात मोलाचे योगदान आहे.

डॉ. बाबासाहेब आंबेडकर यांचा आधुनिक दृष्टिकोण :-

डॉ. बाबासाहेब आंबेडकर हे आधुनिकतेचे अपत्ये आहेत. त्यांचे पदवीनंतरचे सर्व शिक्षण हे अमेरिका व इंग्लंड मध्ये झाले आहे. पदवीपर्यंतचे शिक्षण घेईपर्यंत त्यांनी भारतात सर्व प्रकारच्या विशेषत: जातीव्यवस्थेने निर्माण केलेल्या विषमतेचे जे विदारक चित्र पाहिले आणि व्यक्तिगत आयुष्यात तिचे दाहक चटके सहन केले. म्हणून जुनाट, परंपरागत अनिष्ट प्रथा असलेल्या भारतीय समाजाला राष्ट्रवाद, एकता, धर्मनिरपेक्षता, लोकशाही स्वातंत्र्य, समता, बंधुता या आधुनिक मूल्यांकडे आणण्याचे डॉ. आंबेडकरांचे ध्येय होते. यासर्व संकल्पना धर्मव्यवस्थेला छेद देणाऱ्या होत्या म्हणून याला मोठ्या प्रमाणात विरोधही झाला. परंतु डॉ. बाबासाहेब आंबेडकरांनी हा विरोध बाजूला सारून नव्या राजकीय व्यवस्थेला समजून घेण्याची गरज मांडली.

डॉ. बाबासाहेब आंबेडकरांनी संसदीय लोकशाहीकडे केवळ एक शासनपद्धती म्हणून न बघता आधुनिक जीवन पद्धती म्हणून पाहिले. समाज जीवनाच्या सर्व क्षेत्रात भयावह परिस्थिति असलेल्या भारतात लोकशाही रुजवण्यासाठी जाणीव पूर्वक प्रयत्न करावे लागतील अशी त्यांचा धरणा होती. तसेच राजकीय लोकशाही ही सामाजिक व आर्थिक लोकशाहीत परावर्तित व्हायला हवी असा त्यांचा आग्रह होता. तसेच भारताच्या बहुविध आणि व्यामिश्र संस्कृतीवर आधारलेला भारतीय राष्ट्रवाद डॉ. आंबेडकरांना अभिप्रेत होता. इतर कोणत्याही संकल्पनेवर आधारित संकुचित राष्ट्रवादाला त्यांचा विरोध होता. त्यांच्या विचारधारेत आणि प्रत्यक्ष राजकीय व्यवहारात धार्मिक भावना अथवा सांस्कृतिक राष्ट्रवादाला निषिद्ध मानले गेले. तसेच धर्मनिरपेक्षता हे एक श्रेष्ठ आधुनिक, लोकशाही आणि सर्वसमावेशक मूल्य आहे, अशी त्यांची धरणा होती. अशा राष्ट्रवादामध्ये धार्मिक अल्पसंख्याकांचे अधिकार घटनादत्त व सुरक्षित राहतील म्हणून यासाठी त्यांचा आग्रह होता. भारताला आधुनिक राष्ट्र बनविण्यासाठी डॉ. आंबेडकरांनी सातत्याने प्रयत्न केलेले

दिसतात. भारतीय समाजावर समता, स्वातंत्र्य, बंधुता, राष्ट्रवाद, लोकशाही, धर्मनिरपेक्षता या आधुनिक मूल्यांच्या विरोधी असणाऱ्या धर्मव्ययवस्थेचा जबरदस्त पगडा होता. जात, धर्म, वर्ण, पंथ व्यवस्थेमुळे ब्रिटिश काळात भौतिक आधुनिकता येवून ही संपूर्ण भारतीय समाज मानसिकदृष्ट्या प्रतिगामी व सनातन असा होता. आशा आधुनिकता विन्मुख भारतीय समाजाला आधुनिकतेच्या सूत्रात आणण्याचे मोठे कार्य भारतीय संविधानाच्या माध्यमातून डॉ. बाबासाहेब आंबेडकरांनी करून त्यांनी आधुनिक भारताची पायाभरणी केली.

उद्दिष्टे :-

डॉ. बाबासाहेब आंबेडकरांचा आधुनिक दृष्टिकोण अभ्यासणे.

डॉ. आंबेडकरांच्या दृष्टिकोणाची प्रासंगिकता जाणून घेणे.

संशोधन पद्धती :-

प्रस्तुत शोधनिबंधासाठी ऐतिहासिक, वर्णनात्मक व अन्वेषणात्मक पद्धतीचा वापर करून दुय्यम स्त्रोतानुसार माहिती संकलन केले आहे.

सारांश :-

डॉ. बाबासाहेब आंबेडकरांनी केलेल्या कार्याकडे पाहिले तर त्यांनी आपले संपूर्ण आयुष्य मानवतेच्या कल्याणासाठी आधुनिक मूल्यांकरिता संघर्ष करण्यात घालविल्याचे दिसते. पुढे संविधान निर्मितीची संधी मिळाल्यानंतर त्यांनी सनातन व कालबाह्य भारतातील समाजव्यवस्थेत स्वातंत्र, समता, बंधुभावाची आधुनिक मूल्ये पेरण्याचा यशस्वी प्रयत्न केला. डॉ. आंबेडकरांच्या आधुनिक दृष्टिकोणामुळे भारताने अल्पवधीतच विकासाचा पल्ला गाठला. त्यामुळे आजच्या काळात त्यांचा दृष्टिकोण उपयुक्त असल्याचे दिसून येते.

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मानवी संसाधन व्यवस्थापन

प्रियंका हौशीराम देशमाने[1], डॉ. कैलास अर्जुनराव ठोंबरे[2]

[1]संशोधक विद्यार्थिनी, अर्थशास्त्र विभाग, विवेकानंद कला, एस.डी.वाणिज्य आणि, विज्ञान महाविद्यालय छत्रपती संभाजीनगर

[2]प्रोफेसरआणि संशोधन मार्गदर्शक, अर्थशास्त्र विभाग, देवगिरी महाविद्यालय छत्रपतीसंभाजीनगर

Corresponding Author- प्रियंका हौशीराम देशमाने

Email:- priyanka.p8887@gmail.com

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गोषवारा –

कोणत्याही देशाच्या विकासाची पातळी ही त्या देशामधील श्रमिक बळाच्या रचनेवर अवलंबून असते. ज्या देशामध्ये श्रमिक बळ शिक्षित, प्रशिक्षित, कौशल्य नसेल तर त्या देशामध्ये विकास पातळी गाठण्याच्या मर्यादा पडतात. अर्थव्यवस्थेच्या आवश्यकतेनुसार भिन्न शिक्षण कौशल्य प्राप्त श्रमपुरवठा देशाच्या विकासासाठी आवश्यक बाब आहे. त्यामुळे मानवी भांडवल म्हणजे वेगवेगळया पातळीचे शिक्षण, प्रशिक्षणवाढ व कौशल्य धारक श्रमबळ होय. अशा श्रमबळाचा पुरवठा आरोग्य सेवा. कामा मधील प्रशिक्षण प्राथमिक व इतर पातळी वरील शिक्षण, प्रौढ शिक्षण शेती मधील विस्तार कार्यक्रमातून मिळणारे शिक्षण बदल त्या रोजगारसंधी नुसार व्यक्तीचे होणारे स्थलांतर याद्वारे कौशल्यधारक, निरोगी भांडवलाची मोठ्या प्रमाणात निर्मिती होत असते. मानव संसाधन व्यवस्थापनाचा उद्देश कर्मचाऱ्याच्या सामर्थ्यामध्ये वाढ करणे, कर्मचाऱ्याची शक्ती / कार्यक्षमता वाढण्यासाठी प्रशिक्षण विकास कार्यक्रम चालविला जातो. मानव संसाधन विकासामुळे कर्मचाऱ्याना वैयक्तिक फायदे मिळतात. संघटनेला व समाजाला दिर्घकालीन फायदे मिळतात. कर्मचाऱ्यांना दिर्घकालीन फायदे मिळतात. कर्मचाऱ्यांना आर्थिक आणि आर्थिकेतर अभिप्रेरणा देता येतात. गुंतवणूकदारांना त्याच्या गंतवणूकीवर चांगले लाभ देता येतात. संघटनेची बाजारपेठेत चांगली प्रतिमा निर्माण होते. समाजाला चांगल्या दर्जाच्या वस्तू मिळतात.

प्रस्तावना –

मनुष्यबळ ही एक राष्ट्रीय संपत्ती समजली जाते. भारतीय उद्योग आणि व्यवसायात गेल्या शतकात विविध प्रकारचे आमूलाग्र बदल झालेले आहेत. व्यवसाय व व्यापाराचे जागतिकीकरण तंत्रज्ञानाचे आधुनिकीकरण आणि रोजगार निर्मिती यामुळे मानवी संसाधनाकडे पाहण्याचा दृष्टिकोन बदलत आहे. बहुराष्ट्रीय कंपन्या, विदेशी गुंतवणूकदार समाजवादी व साम्यवादी देश सुध्दा भांडवलशाही मार्गाचा अवलंब करीत आहेत. आर्थिक विकासाकरीता नैसर्गिक संसाधने आणि भौतिक भांडवलाची नितांत गरज आहे. परंतु त्याच बरोबर दुसऱ्या बाजूने हे भांडवल हाताळणाऱ्या व्यक्तीच्या दर्जात जोपर्यंत सुधारणा होत नाही तोपर्यंत भौतिक भांडवलात वाढ होऊनही पुरेसा फायदा होणार नाही. उत्पादनासाठी प्रक्रिया चालू असताना ज्या-ज्या बाबींचा वापर होणार आहे. यांचे व्यवस्थापन तसेच ज्या ठिकाणी दुर्मिळता निर्माण होईल अशी दुर्मिळता दूर करणे हे शिक्षणाच्या अर्थशास्त्रात समाविष्ट असते.

शोध निबंधाची उद्दिष्टे – प्रस्तुत शोध निबंधाची उद्दिष्टे पुढील प्रमाणे मांडली आहेत.

1. मानवी संसाधन व्यवस्थापन संकल्पनेचेअध्ययनकरणे.
2. मानवी संसाधन व्यवस्थापनासाठी आवश्यक घटकांचे अध्ययन करणे.
3. मानवी संसाधन व्यवस्थापनाचे विकासासाठी शासनाचे लक्ष वेधणे.

संशोधन पद्धती – प्रस्तुत शोध निबंधाचा प्रकार वर्णनात्मक आणि विश्लेषणात्मक आहे.

तथ्य संकलन – संशोधनात तथ्य संकलनाला अतिशय महत्व असते. तथ्य संकलनासाठी प्रकाशित व अप्रकाशित साहित्याचा आधार घेतला आहे. संदर्भ ग्रंथ, मासिके, वर्तमानपत्र, शासनाचे अहवाल यांचा आधार घेतला आहे.

मानवी भांडवलाचा अर्थ - नैसर्गिक संसाधने आणि भौतिक संसाधनांचा वापर कशा प्रकारे करायचा, कुठे करायाचा केव्हा करायचा कि ज्याच्या उपयोगातून आर्थिक विकास घडवून आणणे शक्य होईल. हे श्रमिकांच्या (व्यक्ती) गुणवत्तेवर अवलंबून आहे. श्रमिकांच्या (व्यक्तीच्या) गुणवत्तेतील वाढीलाच मानवी भांडवल असे म्हणतात. शुलझ, हर्बिसन, डेनिसन, केंद्रीक आणि मो. गॅलब्रेथ यांच्या अभ्यासावरून त्यांच्यामते अमेरिकेचा औद्योगिक विकास वेगाने होत आहे याचे एक महत्त्वाचे कारण म्हणजे भांडवली गुंतवणूकीतील वाढीबरोबर अधिक महत्त्वाची गोष्ट म्हणजे मानवी भांडवलाच्या व्यक्तीमुळे ती अर्थव्यवस्था वेगाने प्रगत होत आहे. मानवी भांडवल निर्मिती मध्ये व्यक्तीच्या विकासासाठी शिक्षण, आरोग्य, सामाजिक सेवा इत्यादी अनेक रुपाने गुंतवणूक केली जाते. शिक्षण, प्रशिक्षण औषध्योपचार आरोग्य इत्यादीवर केलेल्या खर्चाचा समावेश मानवी भांडवल निर्मितीमध्ये केला जातो.

मानवी संसाधन व्यवस्थापनाची उद्दिष्टे -

१) **मोठ्या प्रमाणात मनुष्यबळ उपलब्ध करणे –** मानवी संसाधन व्यवस्थापनाचे मुख्य उद्दिष्ट म्हणजे संघटनेला मनुष्यबळ उपलब्ध करून देणे, संघटनेमध्ये अनेक कर्मचाऱ्यांची आवश्यकता असते. त्यामध्ये कुशल, अर्धकुशल व इतर कर्मचारी लागतात. ते सर्व कर्मचारी HRM मुळे उपलब्ध होतात. कारखान्याची मानवी गरज भागविणे.

२) **मानवी बळाचा प्रभावी उपयोग करणे –** मानवी संसाधन व्यवस्थापनाचे उद्दिष्ट म्हणजे उपलब्ध मनुष्यबळाचा प्रभावी उपयोग करून घ्यावा लागतो.

३) **मानवी बळाला अभिप्रेरित करणे –** मनुष्यबळाला अभिप्रेरित करण्यासाठी अनेक प्रेरणा दिल्या जातात. आर्थिक आणि आर्थिक तर अभिप्रेरणा देऊन कर्मचाऱ्यांना प्रेरणा दिली जाते. त्यामुळे संघटनेची उद्दिष्टे पार पाडली जातात.

४) **कर्मचाऱ्यांचे मनोबल वाढवणे –** संघटनेमधील मानवी संबंध आणि कर्मचाऱ्याचे मनोधैर्य उच्चपातळीवर टिकवून ठेवणे कामाच्या ठिकाणी सुधारणा करणे.

५) **मनुष्यबळ विकास –** मनुष्यबळ विकासाचे स्वाभाविक उद्दिष्ट म्हणजे औद्योगिक संस्थेमधील कर्मचाऱ्यांचा विकास घडवून आणणे हा आहे. त्यांच्यामधील सुप्तगुण, कौशल्य यांना वाव देवून त्यांची कामगिरी सुधारण्याकरिता त्यांना प्रेरित करणे हे मनुष्यबळ विकासाचे महत्त्वाचे उद्दिष्ट आहे.

६) **उद्दिष्टांची पूर्तता –** प्रत्येक औद्योगिक संस्था काही विशिष्ट उद्दिष्टे साध्य करण्याकरताच अस्तित्वात येते. त्याच प्रमाणे कर्मचारी सुध्दा त्यांची वैयक्तिक उद्दिष्टे साध्य व्हावी म्हणून औद्योगिक संस्थेमध्ये काम करीत असतात. (उदा. कामाचा भरपूर मोबदला, मान सन्मान, विविध सुविधांची उपलब्धता) या दोन्ही उद्दिष्टांमध्ये समन्वय साधून त्यांची पूर्तता करणे.

७) **वरिष्ठ व कनिष्टांमध्ये चांगल्या प्रकारे संबंध प्रस्थापित करणे –** प्रत्येक औद्योगिक संस्था काही विशिष्ट उद्दिष्टे साध्य करण्या करताच अस्तित्वात येते. त्याचप्रमाणे कर्मचारी सुध्दा त्यांची वैयक्तिक उद्दिष्ट्ये साध्य व्हावी म्हणून औद्योगिक संस्थेमध्ये काम करतात . कर्मचाऱ्यांमध्ये सांघिक भावना निर्माण करणे, संस्थेबद्दल आत्मियता निर्माण करणे, त्यांना कामापासून समाधान मिळेल असे वातावरण निर्माण करून त्यांचे नितीधैर्य उंचावणे विविध पातळयांवर काम करणाऱ्या कर्मचाऱ्यांमध्ये औद्योगिक संस्थेच्या उद्दिष्टांबद्दल जाणीव निर्माण करणे हे मनुष्यबळ व्यवस्थापनाचे उद्दिष्ट आहे.

८) **उत्पादकतेमध्ये वाढ करणे –** मानवी संसाधन व्यवस्थापनामध्ये कर्मचाऱ्यांचे प्रशिक्षण कामगिरीचे मूल्यमापन अशा कामगारांच्या कौशल्यामध्ये वाढ करणाऱ्या विविध गोष्टींचा समावेश असतो. कुशल, प्रशिक्षित कर्मचारी विविध प्रकारची कामे कौशल्याने, आत्मविश्वासाने करू शकतात. कर्मचाऱ्यांची उत्पादकता वाढविण्याचा हेतू ही मनुष्यबळ व्यवस्थापनामुळे साध्य होतो.

९) **बदलत्या व्यावसायिक पर्यावरणाला सामारे जाणे –** सध्या व्यावसायिक पर्यावरण फार झपाट्याने बदलत आहे. त्याचा औद्योगिक संस्थेशी कामकाज पद्धती, उत्पादने बाजारपेठा अशा विविध गोष्टीवर परिणाम होतो. कर्मचाऱ्यामध्ये बदलत्या परिस्थितीशी जुळवून घेण्याचे सामर्थ्य निर्माण करणे विविध बदलांना सामोरे जाण्यासाठी आत्मविश्वास निर्माण करणे हे मनुष्यबळ विकासाचे महत्वाचे उद्दिष्ट आहे.

१०) **एकीकरण घडवून आणणे –** उपक्रमामध्ये काम करणारे कर्मचारी व त्यांच्या समूहाचे उपक्रमाच्या संघटनेशी अशा रीतीने एकीकरण घडवून आणणे ज्यामुळे कर्मचाऱ्यां मध्ये सहभागित्व संघटनेप्रती बांधिलकीआणि निष्ठेची भावना निर्माण होईल.

१) **इतर उद्दिष्टे :** औद्योगिक संस्थेमधील कर्मचाऱ्यांचा जास्तीत जास्त चांगल्या पध्दतीने वापर करून उत्पादन खर्चामध्ये कपात घडवून आणणे व त्यायोगे औद्योगिक संस्थेची नफा मिळविण्याची क्षमता वाढविणे, कर्मचाऱ्यांविषयी कार्ये कर्मचाऱ्यांची भरती निवड प्रशिक्षण बढती इ. परिणामकारकरित्या पार पाडावी या साठी पुरेशी माहिती गोळा करणे इ. उद्दिष्टे मनुष्यबळ व्यवस्थापणाची आहेत.

मानवी संसाधनाचे महत्त्व -

१) **संघटनेच्या दृष्टीने महत्त्व –** मानवी संसाधनाच्या दृष्टीने संघटनेला अनेक फायदे मिळतात. संघटनेची उद्दिष्टे गाठण्यासाठी मानवी संसाधन महत्त्वाची भूमिका बजावतात. योग्य कामगार भरती, मनुष्यबळ नियोजन, निवड प्रक्रिया सुलभ करता येते. विविध प्रशिक्षण व विकास कार्याक्रम राबवित असल्यामुळे कर्मचाऱ्याच्या कौशल्यात वाढ होते. योग्य जागी योग्य व्यक्तींची बढती केली जाते. निवड केली जाते. मानवी संसाधन व्यवस्थापनाकडून कर्मचाऱ्यांना अभिप्रेरित केले जाते. कर्मचारी ज्या ठिकाणी काम करतात त्या ठिकाणचे वातावरण चांगल्या प्रकारे ठेवले जाते. कामाची स्थिती योग्य राखावी लागते. कर्मचाऱ्यांचे मूल्यमापन करता येते त्यासंबंधी कर्मचाऱ्याकडून प्रतिसाद मागविला जातो. त्याच्या कामासंबंधी अडचणी कोणत्या आहेत त्यावर उपाययोजना केली जाते.

२) **व्यावसायिक महत्त्व-**कर्मचाऱ्याची व्यावसायिक वाढ होण्यास मदत होते. कर्मचाऱ्याना विविध संधी उपलब्ध होतात त्यातून कर्मचाऱ्याचा विकास होण्यास मदत होते. कामाचे योग्य वाटप केले जाते. कामातील असणाऱ्या चुका शोधल्या जातात. कर्मचाऱ्यांच्या बढतीचे योग्य धोरण आखता येते. कर्मचाऱ्यांच्या वर्तनामध्ये वागणुकीमध्ये चांगल्या प्रकारचे बदल होतात.

३) **सामाजिक महत्व-**समाजाच्या असणाऱ्या गरजा पूर्ण करता येतात व जास्तीत जास्त समाधान मिळवून देतात. कर्मचाऱ्यांची कार्यक्षमता वाढते त्यामुळे सामाजिक समाधान मिळते. रोजगार आणि बेराजेगारी यात समतोल राखण्याने जास्तीत जास्त रोजगार निर्मिती केली जाते. मनुष्यबळाचा योग्य उपयोग केला जातो. कर्मचाऱ्यांना योग्या मोबदला व इतर चांगल्या सुविधा पुरविल्या जातात. कामगारांची उत्पादकता व

संघटनेची कार्यक्षमता वाढण्यास मदत होते. उत्तम मनुष्यबळ व्यवस्थापनाचा परिणाम संघटनेत चांगले संघटनात्मक वातावरण व संस्कृती उत्पन्न होण्यास मदत होते.

मानवी संसाधन व्यवस्थापनाची व्याप्ती / कार्य –

मानवी संसाधन व्यवस्थापनाला अनेक कार्ये करावी लागतात. मनुष्यबळ नियोजन तसेच मानव संसाधन नियोजनात वर्तमान मनुष्यबळावरून अपेक्षित मनुष्यबळाकडे संघटनेने कसे वळावे याबाबत व्यवस्थापन निर्णय घेते. नियोजन व्यवस्थापनाचा अंतिम उद्देश योग्य संख्येत योग्य प्रकारच्या व्यक्ती योग्य जागी योग्य वेळी प्राप्त करण्याचा असतो असे केल्याने संघटनेला तसेच व्यक्तिगत पातळीवर दीर्घकालीन लाभ प्राप्ती होते.

१) वर्तमान मनुष्यबळाचा अंदाज घेणे,
२) भविष्यातील अपेक्षित मनुष्यबळाचा अंदाज वर्तविणे.
३) आवश्यकतेनुसार मनुष्यबळाचा पुरवठा निर्धारित करणे.
४) मनुष्यबळाची मागणी व पुरवठा यांच्यात समतोल साधने.
५) संस्था आणि कर्मचारी या दोघांच्याही हिताच्या दृष्टीने मनुष्यबळाचे नियोजन करणे किंवा त्याविषयी योजना तयार करणे.

१) मिळविण्याचे कार्य (Acquisition Function): मनुष्यबळ नियोजनामध्ये मनुष्यबळाचा अंदाज घेतल्यानंतर योग्य मनुष्यबळ मिळविले जाते. मानवी संसाधन व्यवस्थापक त्या प्रकारची योजना आखतात त्यासाठी भरती केली जाते व निवड प्रक्रिया घेऊन योग्य उमेदवाराची निवड केली जाते. संघटनेसाठी वेगवेगळया प्रकारचे मनुष्यबळ मिळून देण्याचे काम मानवी संसाधन व्यवस्थापनाला करावे लागते.

२) बढती किंवा कार्य निर्धारणाचे कार्ये (Placement Function): कामगारांच्या स्थानामध्ये झालेल्या सुधारणा म्हणजे बढती. बढतीमध्ये कामगारांना अधिक अधिकार जबाबदारी आणि जादा वेतनभत्ते दिले जातात. कामगारांना बढती देण्याचे काम मानवी संसाधन व्यवस्थापनाकडून केले जाते. बढतीमध्ये योग्य कर्मचाऱ्याची योग्य जागी निवड करून बढती दिली जाते.

सारांश –

ह्युमन रिसोर्स हा देशाच्या विकासासाठी महत्त्वाचा घटक आहे. मात्र असे मनुष्यबळ शिक्षित, विशेष कौशल्य प्राप्त असलेले, आधुनिक ज्ञानवसाधनांना हाताळण्याची क्षमता असलेले शारीरिक व मानसिक आरोग्य दायित्व कमावलेले, संगणकीय ज्ञान तंत्र व माहितीचे आकलन व आत्मसातीकरण असलेले आजच्या वैश्विक युगात हवे. जागतिकीकरणाचा पुरेपुर लाभ उठविण्यासाठी आपल्या देशात सर्वांनी लोक संख्यानियंत्रण हा युद्धपातळीवरचा असा कार्यक्रम उत्स्फूर्तपणे हाती घ्यायला हवा. खरे तर लोकसंख्या नियंत्रण ही लोकचळवळ व सामाजिक परिवर्तनाची मोहीम बनायला हवी. विकसनशील देशांमध्ये आर्थिक विकासासाठी शैक्षणिक धोरण ठरविताना त्यात विविध पातळीवरील शिक्षणाचे योगदान किती राहील हे ठरविण्यासाठी प्रस्तुत निकष उपयोगी ठरतो.

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भारतातील कृषि कल्याण विषयक योजनांचा अभ्यास

गीता दिलीप उगले[1], डॉ. डी. एन. जिगे[2]

[1]संशोधक विद्यार्थिनी, अर्थशास्त्र विभाग, डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ,छत्रपती संभाजीनगर

[2]प्राध्यापक, अर्थशास्त्र विभागप्रमुख, देवगिरी महाविद्यालय, छत्रपती संभाजीनगर

Corresponding Author- गीता दिलीप उगले

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गोषवारा :

भारतीय अर्थव्यवस्थेला गती देण्यासाठी शेतीचा विकास होणे गरजेचे आहे. कृषि विकासावर सिंचन, बाजारपेठ, पायाभूत सुविधा आणि पत यासारख्या घटकांचा प्रभाव पडतो. यासाठी भारत सरकार या घटकांच्या विकासासाठी वेगवेगळया योजना राबवते. या शोधनिबंधाचा मुख्य हेतू हा कृषि क्षेत्राची पार्श्वभूमी, ते सद्यस्थिती आणि सरकारद्वारे कृषि क्षेत्रासाठी राबविण्यात येणाऱ्या योजनांचा अभ्यास करणे आहे. उपरोक्त संशोधनाच्या निष्कर्षानुसार सरकार राबवत असलेल्या योजनांमुळे कृषि क्षेत्राचा विकास होऊ शकतो. योजना शेतकरी उत्पन्न व उत्पादकता वाढीसाठी उपयुक्त ठरत आहेत. परंतु या योजना सर्व शेतकऱ्यांपर्यंत पोहचत नाहीत. तसेच काही योजनांमध्ये गुंतागुंतीची व मोठी प्रक्रिया आहे. त्यात सुधार करणे गरजेचे आहे.

प्रस्तावना :

21 व्या शतकातील वाढत्या लोकसंख्येला अन्नधान्याचा पुरवठा करण्यासाठी कृषि उत्पन्न वाढीची गरज जाणवायला लागली आहे. भारतात नियोजनास सुरूवात झाल्यापासून पहिल्या पंचवार्षिक योजनेपासून भारतात कृषिक्षेत्राच्या विकासावर भर देण्यात आलेला आहे. तसेच प्रत्येक पंचवार्षिक योजनेत कृषि क्षेत्राचा विकास व्हावा, कृषि उत्पन्न वाढावे म्हणून विविध कृषि उत्पन्न वाढीशी निगडित प्रतिमान उभारणी करण्यात आली आहे व त्याद्वारे कृषीचा विकास घडवून आणलेला आहे.

प्रथम पंचवार्षिक योजनेत हेरॉड - डॉमर प्रतिमान वापरून कृषि क्षेत्रावर भर देण्यात आला ज्यात कृषि क्षेत्राचा 1955-56 अन्नधान्य उत्पादनाचे 61.6 मिलियन टन लक्ष ठेवण्यात आले ते 66.9 मिलियन टन झाले. दुसऱ्या योजनेत 1960-61 मध्ये 82 मिलियन टन झाले. तिसऱ्या योजनेत हे लक्ष 1966-67 मध्ये 72.4 मिलियन टनवर आले. चौथी पंचवार्षिक योजना ही कृषि क्षेत्राच्या विकासातील उल्लेखनिय योजना ठरवली आहे. कारण यात उत्पादन वाढ 1973-74 मध्ये ही 104.7 मिलियन टन एवढी झाली. पाचवी पंचवार्षिक योजना यात अन्नधान्य उत्पादन वाढ 126.4 मिलियन टनवर पोहोचली सहावी पंचवार्षिक योजना ज्यात ॲलन मान व अशोक रूद्र याचे open Consistency Model वापरले व दारिद्र्य निर्मूलन व रोजगार निर्मिती वाढीचे लक्ष्य ठेवले. या योजनेत 1984-85 या कालावधीत 145.5 मिलियन टन एवढे उत्पादन झाले. सातवी पंचवार्षिक योजना 1989-90 मध्ये अन्नधान्य उत्पादन 171 मिलियन टन झाले. आठवी पंचवार्षिक योजना ही भारतीय इतिहासात भारतीय अर्थव्यवस्थेला परिवर्तनाच्या एका नवीन दिशेने घेऊन जाण्यास यशस्वी झाली ज्यात विकासाचे खाजगीकरण, जागतिकीकरण, उदारीकरण प्रतिमान स्विकारून मृत अवस्थेत असणारी भारतीय अर्थव्यवस्था गतिमान करण्यास सुरूवात झाली. या गतिशीलतेत कृषि अर्थव्यवस्थेत अमूलाग्र बदल होणे अपेक्षित होते. पण भारतीय कृषिक्षेत्रात ते बदल झाले नाही कारण या 1990 नंतरच्या कालखंडात शासनाने कृषि क्षेत्रावरील खर्चाचे प्रमाण कमी केले. तसेच भारतीय, महाराष्ट्रातील अर्थव्यवस्थेत, ज्याप्रमाणे उद्योग क्षेत्र व सेवा क्षेत्रात परिवर्तन झाले त्याप्रमाणे कृषीक्षेत्रात परिवर्तन झाले नाही. तसेच नववी व दहावी पंचवार्षिक योजनेतही शासनास कृषि व सिंचन विकासाचे उद्दिष्टे पूर्ण करण्यास अयशस्वी ठरले आहे. अकरावी योजना 2007 ते 2012 कालावधीत कृषीक्षेत्राचा वृद्धीदर लक्ष्य 4.0 टक्के ठेवले जे साध्य 3.3 टक्के एवढाच होता. इतर उद्योग व सेवा क्षेत्राच्या तुलनेत तो फारच कमी होता तर 12 वी पंचवार्षिक योजना 2012 ते 2017 या कालावधीत वृद्धीदर 4.0 लक्ष ठेवले तर साठा फक्त 2.7 टक्के झाला. तसेच खर्चाच्या प्रमाणात कृषि व जल क्षेत्राचा हिस्सा 7.96 टक्के एवढाच होता. तो इतर क्षेत्राच्या तुलनेत तो कमीच होता. 2021-22 मध्ये कृषि क्षेत्राच्या सद्यस्थितीत अन्नधान्य उत्पादन वाढ ही 315.7 मिलियन टन झालेली आहे.

उद्दिष्टे :

1. कृषि विषयक सद्यस्थिती अभ्यासणे.
2. कृषि कल्याण विषयक योजनांचा अभ्यास करणे.

संशोधन पद्धती :

हा अभ्यास प्राथमिक व दुय्यत आधार सामग्रीवर आधारित आहे. प्राथमिक आधारसामग्रीमध्ये साध्या यादृच्छिक पद्धतीने परभणी जिल्ह्यातील पाथरी तालुक्यातील 76 शेतकऱ्यांची मुलाखत अनुसूचीच्या आधारे 'सिंचन योजना' या योजनेची माहिती घेतली आहे. दुय्यम आधारसामग्रीमध्ये इतर सर्व योजनांची माहिती पुस्तके, शोधनिबंध, मासिके तसेच वेबसाइट यांच्या आधारे माहिती घेऊन अभ्यास केला आहे.

शासकीय योजना :

1) किसान क्रेडिट कार्ड योजना :

ही योजना 1998 ला सुरू झाली. किसान क्रेडिट कार्ड योजनेवर झालेल्या अभ्यासावरून कर्जाचे प्रमाण कमी झालेले आढळून आले.

2) प्रधानमंत्री कृषि सिंचन योजना :

2015-16 पासून ही योजना सुरू केली आहे. प्रतिथेंब अधिक पीक या सूक्ष्म सिंचन योजनेअंतर्गत पाण्याच्या अधिक कार्यक्षमतेने वापर करून उत्पादन वाढविण्याच्या उद्देशाने ही योजना राबविण्यात येत आहे. या योजनेअंतर्गत शेतकऱ्यांना, अल्पभूधारकांना 55 टक्के तर इतर शेतकऱ्यांना 45 टक्के अनुदान भेटते. तर 5 हेक्टर क्षेत्र जमिनीची मर्यादा आहे. या योजनेमुळे शेतकऱ्यांना कमी पाण्यात जास्त उत्पादन घेता येऊ लागले आहे.

3) प्रधानमंत्री पीक विमा योजना :

ही योजना 2016 पासून राज्यात राबविण्यात येत आहे. या योजनेचा लाभ घेण्यासाठी शेतकऱ्यांना पिकानुसार संरक्षित रकमेच्या कमाल पाच टक्के रक्कम विम्याचा हप्ता म्हणून भरावी लागत होते. त्यामुळे शेतकरी वेळेवर पैसे नसल्यामुळे त्याचा लाभ घेऊ शकत नव्हते. पण 2023 या वर्षी 1 रूपयात अर्ज भरून लाभ घेता येणार होता.

4) ग्रामीण भंडारन योजना :

ही योजना 2001-02 मध्ये सुरू केली आहे. या योजनेद्वारे शेतकऱ्यांना गोदामे बांधण्यासाठी अनुदान दिले जाते. पायाभूत सुविधांमध्ये सुधारणा करण्याच्या उद्देशाने ही योजना सुरू केली आहे.

5) प्रधानमंत्री किसान योजना :

या योजनेअंतर्गत 2 हेक्टरपर्यंत शेती असणाऱ्याला वार्षिक 6000 रू. मिळतात. ही योजना 1 डिसेंबर 2018-19 पासून देशात लागू करण्यात आली.

6) राष्ट्रीय कृषि बाजार योजना :

ही योजना 2016 ला सुरू करण्यात आली. ही एक संपूर्ण भारतातील इलेक्ट्रॉनिक व्यापार प्रणाली आहे. या योजनेला ई-नाम योजना असेही म्हणतात या योजनेद्वारे शेतकऱ्यांना पारदर्शक किंमत आणि स्पर्धात्मक असे उत्पादन विकण्यास मदत होऊ शकते.

7) किमान आधारभूत योजना :

शेतकऱ्याच्या मालाला खात्रीशीर बाजार उपलब्ध करून देण्यासाठी केंद्र शासन निवडक पिकांच्या किमान आधारभूत किंमती हंगामापूर्वी जाहीर करते. ही योजना 1966-67 मध्ये सुरू करण्यात आली होती.

8) परंपरागत विकास योजना :

परंपरागत कृषि विकास योजना ही जमिनीची कस टिकवून ठेवण्यासाठी रसायनाचा वापर न करता सेंद्रीय शेतीद्वारे अन्नधान्याचे उत्पादन करणे, गुणवत्तेची हमी आणि शेती उत्पादनाच्या थेट विक्री करण्यासाठी नवीन पद्धतीचा अवलंब करणे ही आहेत या योजनेचा लाभ 20 हेक्टर जमीन असणाऱ्या समूहाला सलग तीन वर्षाकरिता मिळतो.

9) मृदा आरोग्य कार्ड योजना :

ही योजना 2015 मध्ये सुरू करण्यात आली. योजनेअंतर्गत शेतकऱ्यांना त्यांच्या शेतीत खताचा वापर कोणत्या व किती प्रमाणात करावा याची माहिती दिली जाते. की ज्यामुळे योग्य पोषकद्रव्याचे व्यवस्थापन करता येईल. महाराष्ट्रात 32 मृद चाचणी प्रयोगशाळांची स्थापना करण्यात आली. त्यामध्ये अमरावती, औरंगाबाद, नाशिक, पुणे व कोल्हापूर या पाच ठिकाणी खत नमुना तपासणीसाठी प्रसोगशाळा कार्यरत आहेत व खाजगी वेगळया आहेत. अल्पभूधारक किंवा अशिक्षित शेतकरी खाजगी प्रयोगशाळेत तपासणी करत नाहीत व मोठ्या शहरांच्या ठिकाणी ते लांब असल्यामुळे जाण्यास टाळाटाळ करतात.

निष्कर्ष :

उपरोक्त संशोधनातून खालील काही महत्त्वपूर्ण निष्कर्ष काढण्यात आलेले आहेत.

1. योजना विषयक माहितीचा अभाव उपरोक्त संशोधनातून असे आढळले की निवडलेल्या 76

शेतकऱ्यांची मुलाखत अनुसूची भरून घेतली. ज्यात प्रधानमंत्री कृषि सिंचन योजनेचा लाभ 23 शेतकरी घेतात, तर 53 हे या योजनेच्या लाभापासून अलिप्त आहेत.

2. शेतकरी योजनेचा लाभ घेण्यापासून अलिप्त असण्याची कारणे पुढीलप्रमाणे आहेत. अ) एकूण 53 पैकी 13 शेतकऱ्यांना आर्थिक कुवत नसल्यामुळे वंचित राहिले ब) सरकारी कामात अडथळे असल्यामुळे 9 शेतकरी क) योजनाच्या माहितीच्या अभावामुळे 20 शेतकरी लाभ घेऊ शकले नाहीत असे आढळले. ड) मध्यस्थांच्या पिळवणूकीमुळे 2 व इतर कारणे असणारी 9 अशी होती.
3. शासन राबवित असलेल्या प्रधानमंत्री कृषि सिंचन योजना लाभासाठी शासनाची मर्यादा 5 हेक्टर जमिनीची आहे. त्यामुळे भारतात सर्वात जास्त उपलब्ध असणारा मध्यम गट / शेतकरी वर्ग (5-10 हेक्टर) या योजनेच्या लाभापासून वंचित आहे. यासाठी शासनाने उपरोक्त मर्यादेत बदल करणे आवश्यक आहे.
4. भारतातील कृषि क्षेत्राची वाटचाल प्रथम पंचवार्षिक योजनेपासून चौथ्या योजनेपर्यंत प्रगतीकारक आहे ज्यात प्रथम योजनेत अन्नधान्य उत्पादन 61.9 मिलियन टन होते ते 104.7 मिलियन टन झाले आहे.
5. भारतातील पाचव्या पंचवार्षिक योजनेत कृषि क्षेत्राचा वाटा कमी-कमी होत गेला. उत्पादनात वाढ होत असली तरी क्षेत्राच्या विकासावरील खर्चात कपात झालेली आहे असे अभ्यासातून लक्षात आले.
6. अकरावी योजना अंतर्गत वृद्धीदर 6.0 टक्के लक्ष ठेवण्यात आले तर साध्य 3.3 टक्के झाले आहे. तर खर्चाचा वाटा 7.33 टक्के एवढाच आहे. जे इतर क्षेत्राच्या तुलनेत कमी आहे.
7. 2021-22 मध्ये भारतीय कृषि क्षेत्रात अन्नधान्य उत्पादनात वाढ ही 315.7 मिलियन टन झालेली आहे.

सारांश :

सरकार राबवत असलेल्या सर्व योजना शेतकऱ्यांना माहित होणे, त्यांचा लाभ त्यांना घेता येणे अत्यंत गरजेचे आहे. यामुळे कृषि क्षेत्राचा तसेच शेतकऱ्यांचा आर्थिक विकास होण्यास मदत होईल.

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विधार्थ्यांच्या भावनिक बुद्धिमत्तेचा अभ्यास

डॉ. करुणादेवी राऊत

धारेश्वर शिक्षण शास्त्र महाविद्यालय, पुणे

Corresponding Author- डॉ. करुणादेवी राऊत

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सारांश –

विधार्थ्यांच्या बुद्धीमत्ते बरोबर भावनिक बुद्धिमत्तेची जोड असायला हवी विद्यार्थ्यांच्या जीवनातील व शैक्षणिक प्रगती साठी भावनिक बुद्धिमत्तेचा विकास करणे आवश्यक आहे. शैक्षणिक संपादणूक म्हणजे वर्षभराच्या धनाची फलप्राप्ती होय व या स्पर्धात्मक युगात फलप्राप्ती फार महत्त्वाची आहे. खरी बुद्धिमान व्यक्ती तीच जीसमायोजन साधू शकेल व समायोजन क्षमता ही भावनिक बुद्धिमत्तेवर अवलंबून असते. भावनिक बुद्धिमत्तेचा अध्ययन वर निश्चित घटनात्मक परिणाम होतो अध्ययन निष्पत्ती जर चांगली हवी असेल तर भावनिक बुद्धिमत्ता स्थिर -फार महत्त्वाचे आहे.प्रस्तुत संशोधनात सर्वेक्षण पद्धतीचा वापर केला आहे.भावनिक बुद्धिमत्ता कसोटीचा माहितीसंकलना साठी उपयोग लेला आहे. पुरुष विधार्थी व स्त्री विधार्थिनी यांची भवनीक बुद्धीत्मत्ता स्तर चांगला आहेयात लक्षणीय फरक नाही . इंग्रजी व मराठी मध्यम विधार्थी भावनिक बुद्धिमत्ता स्तर चांगला आहे;यात लक्षणीय फरक नाही .

प्रस्तावना –

विद्यार्थ्यांचा सर्वांगीण विकास व्हावा यासाठी फक्त विद्यार्थ्यांचे गुण कसे वाढतील यावर लक्ष केंद्रित करण्याआधी वेद्यार्थ्यांची भावनिक बुद्धिमत्ता, अभ्यास सवयी ह्यांचा विचार करणे सुद्धा आवश्यक आहे.स्वामी विवेकानंद म्हणत असत, माणूस घडविते, चारित्र्यसंपन्न व्यक्तिमत्व घडविते ते शिक्षण पण सध्याच्या शिक्षणपद्धतीचा विचार केला तर, खरचं आपण माणूस घडवितो का? असा प्रश्न मनामध्ये निर्माण होतो. या संदर्भात भगवदगीतेच्या दृष्टीने आपल्या जीवनाची चार उपांगे आहेत. इंद्रिये, मन, बुद्धी व या पलीकडे असणारा आत्मा.खऱ्या अर्थाने माणूस घडवायचा असेल तर या चारही स्तरांवर प्रशिक्षण देणे महत्त्वाचे, सध्याच्या क्षणपद्धतीमध्ये आपण शरीर व बुद्धी या दोन स्तरांवर प्रशिक्षण देतो. पण मनामध्ये उठणारे विविध भावनातरंग व दळे यांचा विचारच केला जात नाही. समग्र व्यक्तिमत्त्वाचा विचार करताना व्यक्तीच्या भावनिक विश्वाचे प्रशिक्षण लाचे आहे. आपल्याला लाभलेल्या जन्मजात बुद्धीचा विकास करण्यासाठी प्रयत्न करणे आपल्या हाती निश्चितच तसेच चांगल्या शैक्षणिक संपादणूकीसाठी विद्यार्थ्यांच्या अभ्यास सवयींवर दुर्लक्ष करून चालणार नाही.

भावनिक बुद्धिमत्ता

जीवनात शिक्षणाला अनन्यसाधारण महत्त्व आहे परंतू शिक्षणात केवळ विद्यार्थ्यांचा बौद्धिक स्तर चांगला असून चालत नाही तर त्यात भावनिक बुद्धिमत्तेची जोड असायला हवी विद्यार्थ्यांच्या जीवनातील व शैक्षणिक प्रगती साठी भावनिक बुद्धिमत्तेचा विकास करणे आवश्यक आहे. शैक्षणिक संपादणूक म्हणजे वर्षभराच्या धनाची फलप्राप्ती होय व या स्पर्धात्मक युगात फलप्राप्ती फार महत्त्वाची आहे. खरी बुद्धिमान व्यक्ती तीच जीसमायोजन साधू शकेल व समायोजन क्षमता ही भावनिक बुद्धिमत्तेवर अवलंबून असते. भावनिक बुद्धिमत्तेचा अध्ययन वर निश्चित घटनात्मक परिणाम होतो अध्ययन निष्पत्ती जर चांगली हवी असेल तर भावनिक बुद्धिमत्ता स्थिर -फार महत्त्वाचे आहे. वास्तव परिस्थितीशी समायोजन साधण्याची क्षमता भावनिक बुद्धिमत्तेमुळे साधता येते.

आजचे युग हे स्पर्धेचे युग आहे कोणत्याही व्यक्तीला जीवनात यशस्वी व्हायचे असेल तर एखादे ध्येय समोर नासाठी सातत्यपूर्ण प्रयत्न करावे लागतात, तसेच विद्यार्थ्याचेही असते, परीक्षेत यशस्वी व्हायचे असेल तर सवयींकडे लक्ष देण्याची गरज आहे कारण अभ्यास सवयींवरदेखील विद्यार्थ्याचे शैक्षणिक संपादणूकीचे यश न असते. विद्यार्थ्याला योग्य अभ्यास सवयी असतील तर प्रत्येक विषय व त्यातील घटक यांचे आकलनव्यवस्थित होते आणि कमी वेळेत जास्तीत जास्त अभ्यास होतो त्यामुळे विद्यार्थ्यांना शैक्षणिक संपादन यशस्वीरित्या प्राप्त होते यासाठी शिक्षकांनी आपल्या विद्यार्थ्यांमध्ये चांगल्या अभ्यास सवयी रुजविण्यासाठी प्रयनशील रहावे विद्यार्थ्यांच्या शैक्षणिक प्रगतीमध्ये अभ्यास सवयी हा खुप महत्वाचा घटक आहे. त्यामुळे यांचा एकमेकांशी असलेला सहसंबंधाचा अभ्यास करणे आवश्यक आहे. सध्याचे युग हे स्पर्धात्मक युग आहे. विद्यार्थ्यांनी प्रगती करणे या स्पर्धात्मक युगामध्ये आपला टिकाव लागण्यासाठी त्यानुसार ही काळाची गरज आहे. विस्तृत आणि गतिमान अभ्यासक्रमात यश प्राप्त करणे तेवढेच महत्त्वाचे आहे. यासाठी शैक्षणिक संपादणूक खुप महत्त्वाची आहे.

कार्यात्मक व्याख्या –

उच्च माध्यमिक स्तर-इयत्ता 11 आणि 12 चे विधार्थी या स्तरावर शिक्षण घेतात.

भवनीक बुद्धिमत्ता –भावनिक बुद्धिमत्ता कसोटी मधून मिळालेल्या गुनाकांतून मिळालेली प्रप्तांक म्हणजे भवनीक बुद्धिमत्ता.

संशोधनाची उद्धिष्टे

१. उच्च माध्यमिक स्तरावरील विद्यार्थ्यांच्या भावनिक बुद्धिमत्तेचा अभ्यास करणे.

२. २. उच्च माध्यमिक स्तरावरील विधार्थ्यांच्या भावनिक बुद्धिमत्तेचा खालील संदर्भा प्रमाणे तुलनात्मक अभ्यास करणे.

अ.पुरुष व स्त्री विधार्थी

ब.इंग्रजी व मराठी मध्यम विधार्थी

परिकल्पना

१.उच्च माध्यमिक स्तरावरील पुरुष व स्त्री विधार्थी विधार्थ्यांच्या भावनिक बुद्धिमत्ते लक्षणीय फरक आहे.

२.उच्च माध्यमिक स्तरावरील इंग्रजी व मराठी मध्यम विधार्थ्यांच्या भावनिक बुद्धिमत्ते लक्षणीय फरक आहे.

शून्य परिकल्पना

१.उच्च माध्यमिक स्तरावरील पुरुष व स्त्री विधार्थी विधार्थ्यांच्या भावनिक बुद्धिमत्ते लक्षणीय फरक नाही .

२.उच्च माध्यमिक स्तरावरील इंग्रजी व मराठी मध्यम विधार्थ्यांच्या भावनिक बुद्धिमत्ते लक्षणीय फरक नाही .

जनसंख्या- उच्च माध्यमिक स्तरावरील पुणे जिल्ह्यातील विधार्थी

न्यादर्श-प्रस्तुत संशोधनात७० एवढा न्यादर्श घेतला आहे.

न्यादर्श निवड पद्धती - सदर संशोधनासाठी ७० विधार्थ्यांची निवड असंभाव्यतेवर आधारित प्रासंगिक नमुना निवड पद्धतीने करण्यात आली

माहिती संकलन साधन-प्रस्तुत संशोधनात एकता कपूर यांच्या भावनिक बुद्धिमत्ता कसोटी या साधनाचा वापर केला आहे.

संख्यशास्त्रीय तंत्र – प्रस्तुत संशोधनात संकलित माहितीच्या विश्लेषणासाठी मध्यमान, प्रमाण विचलन, t- परिक्षिकेचा वापर केला आहे.

संशोधनाची व्याप्ती-1. प्रस्तुत संशोधन पुणे जिल्हयातील उच्च माध्यमिक स्तरावरील 11 वी च्या विधार्थ्यांशी संबंधित आहे.

2. प्रस्तुत संशोधन भावनिक बुद्धिमत्ता या घटकांशी संबंधित आहे.

संशोधनाची मर्यादा :-

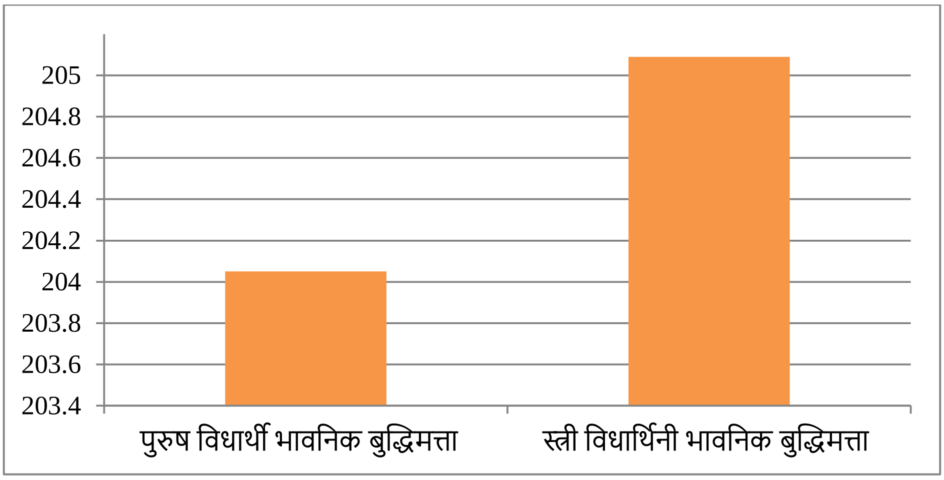
1. प्रस्तुत संशोधनाचे निष्कर्ष प्रतिसाधकांनी भावनिक बुद्धिमत्ता कसोटी भरून दिलेल्या प्रतिसादावर अवलंबून असतील.

अर्थनिर्वचन व माहितीचे विश्लेषण –

कोष्टक क्र.१ पुरुष व स्त्री विधार्थी विधार्थ्यांच्या भावनिक बुद्धिमत्ता

विधार्थी	**नमुना संख्या**	**मध्यमान**
पुरुष विधार्थी	३६	२०४.०४
स्त्री विधार्थी	३४	२०५.०९

वरील कोष्टका वरून असे दिसते कि, पुरुष विधार्थी भावनिक बुद्धिमत्ता मध्यमान २०४.४ इतके आहे.व स्त्री विधार्थिनी भावनिक बुद्धिमत्ता मध्यमान २०५.०९ इतके आहे.म्हणजेच पुरुष विधार्थी व स्त्री विधार्थिनी यांची भवनीक बुद्धीतमत्ता स्तर चांगला आहे.



आलेख क्र.१. पुरुष विधार्थी व स्त्री विधार्थिनी य भावनिक बुद्धीत्मत्ता

कोष्टक क्र.२ इंग्रजी व मराठी मध्यम विधार्थ्यांची भावनिक बुद्धिमत्ता.

विधार्थी	**नमुना संख्या**	**मध्यमान**
मराठी मध्यम विधार्थी	३४	२१५.७८
इंग्रजी माध्यम विधार्थी	३६	२०९.५५

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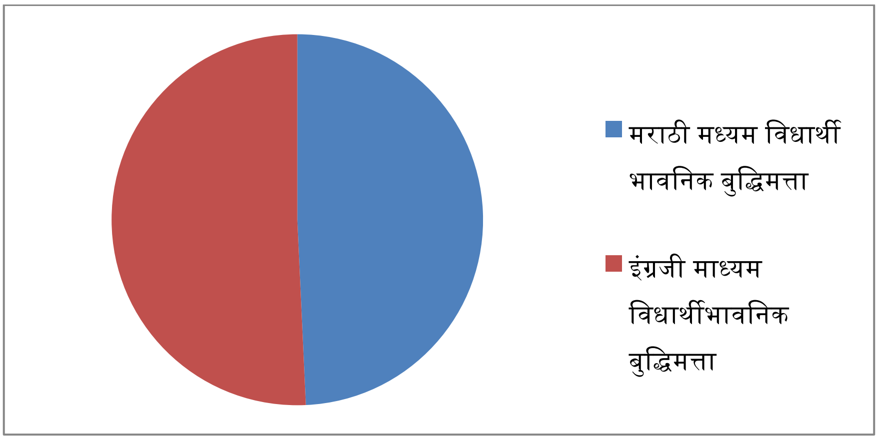
कोष्टक क्र. २ वरून असे दिसून येते कि, मराठी मध्यम विधार्थी यांची भावनिक बुद्धीमत्ता मध्यमान २१५.७८ इतके आहे.व इंग्रजी मध्यम विधार्थी भावनिक बुद्धिमत्ता.मध्यमान २०९.५५ इतके आहे.यावरून इंग्रजी व मराठी मध्यम विधार्थी भावनिक बुद्धिमत्ता स्तर चांगला आहे.



आलेख क्र.२. इंग्रजी व मराठी मध्यम विधार्थी भावनिक बुद्धिमत्ता

शून्य परिकल्पना & . उच्च माध्यमिक स्तरावरील पुरुष व स्त्री विधार्थी विधार्थ्यांच्या भावनिक बुद्धिमत्तेत लक्षणीय फरक नाही .

प्रस्तुत शून्य परिकल्पना तपासण्यासाठी पुरुष व स्त्री विधार्थी विधार्थ्यांच्या भावनिक बुद्धिमत्ता कसोटीच्या प्राप्तांकांचे मध्यमान, प्रमाणविचलन काढण्यात आले. तसेच टी परीक्षिकेच्या मदतीने दोन्ही मध्यमानातील फरकाची सार्थकता तपासण्यात आली.

विधार्थी	नमुना संख्या	मध्यमान	प्रमाण विचलन	टी मूल्य	शून्य परिकल्पना
पुरुष विधार्थी	३६	२०४.०४	२५.८	१.६६	**स्वीकार**
स्त्री विधार्थी	३४	२०५.०९	२६.१६		

*कोष्टकातील टी मूल्य . ०.०५ सार्थकता स्तर . १.९८ (स्वाधीनता मात्रा ६९)

कोष्टक वरून असे दिसून येते की, पुरुष व स्त्री विधार्थी विधार्थ्यांच्या भावनिक बुद्धिमत्ता कसोटीच्या मिळालेल्या प्राप्तांकाची तुलना केली असता, येणारे टी मूल्य १.६६ इतके आहे. ०.०५ या सार्थकता स्तरावर कोष्टक टी मूल्य १.९८ इतके आहे. गणन केलेले टी मूल्य हे कोष्टक टी मूल्यापेक्षा कमी असल्याने शून्य परिकल्पना चा स्वीकार करण्यात आला. म्हणजेच पुरुष व स्त्री विधार्थी विधार्थ्यांच्या भावनिक बुद्धिमत्ता कसोटीच्या मध्ये सार्थ फरक दिसून येत नाही.- यावरून पुरुष व स्त्री विधार्थ्यांच्या भावनिक बुद्धिमत्ता मध्ये सार्थ फरक नाही.

शून्य परिकल्पना & . उच्च माध्यमिक स्तरावरील इंग्रजी व मराठी मध्यम विधार्थ्यांच्या भावनिक बुद्धिमत्ते लक्षणीय फरक नाही .

प्रस्तुत शून्य परिकल्पना तपासण्यासाठी मराठी मध्यम व इंग्रजी माध्यम विधार्थ्यांना मिळालेल्या भावनिक बुद्धिमत्ता कसोटी प्राप्तांकांचे मध्यमान, प्रमाणविचलन काढण्यात आले. तसेच टी परीक्षिकेच्या मदतीने दोन्ही मध्यमानातील फरकाची सार्थकता तपासण्यात आली.

कोष्टक क्र.

विधार्थी	नमुना संख्या	मध्यमान	प्रमाण विचलन	टी मूल्य	शून्य परिकल्पना
मराठी मध्यम विधार्थी	३४	२१५.७८	२६.०८	-१.१८	स्वीकार
इंग्रजी माध्यम विधार्थी	३६	२०९.५५	१५.९७		

*कोष्टकातील टी मूल्य . ०.०५ सार्थकता स्तर . १.९८ (स्वाधीनता मात्रा **६५**)

कोष्टक वरून असे दिसून येते की, मराठी मध्यम व इंग्रजी माध्यम विध्यार्थी भावनिक बुद्धिमत्ता कसोटीत मिळालेल्या प्राप्तांकाची तुलना केली असता, येणारे टी मूल्य **-१.१८** इतके आहे. ०.०५ या सार्थकता स्तरावर कोष्टक टी मूल्य **१.९८** इतके आहे. गणन केलेले टी मूल्य हे कोष्टक टी मूल्यापेक्षा कमी असल्याने शून्य परिकल्पना चा स्वीकार करण्यात आला म्हणजेच मराठी मध्यम व इंग्रजी माध्यम भावनिक बुद्धिमत्ता या मध्ये सार्थ फरक दिसून येत नाही.

यावरून इंग्रजी माध्यम विध्यार्थी मराठी मध्यम विध्यार्थी भावनिक बुद्धिमत्ता मध्ये लक्षणीय फरक नाही.

निष्कर्ष –

प्रस्तुत संशोधनातमाहितीचे विश्लेषण करून अर्थ निर्वचन केले व त्या वरून निष्कर्ष काढले स्त्री व परुष विधार्थी भावनिक बुद्धिमत्ता चांगली आहे.इंग्रजी व मराठी मध्यम विधार्थ्यांची भावनिक बुद्धिमत्ता चांगली आहे.

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3. बापट भा.(१९८८)शैक्षणिक संशोधन ,नूतन प्रकाशन पुणे
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भारतीय सामाजिक न्याय और संस्कृति पर डॉ. राम मनोहर लोहिया के विचार

प्रिया सिन्हा[1], प्रो. (डॉ.) इरा यादव[2]

[1]शोधार्थी, राजनीति विज्ञान विभाग, पाटलिपुत्र विश्वविद्यालय, पटना (बिहार)

[2]शोध पर्यवेक्षक राजनीति विज्ञान विभाग, जे. डी. वीमेंस कॉलेज, पाटलिपुत्र विश्वविद्यालय, पटना (बिहार)

Corresponding Author- प्रिया सिन्हा

Email: - priya.sinha779@gmail.com

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परिचय

भारत में समाजवादी विचारधारा को एक आंदोलन का स्वरूप प्रदान करने वाले चिंतकों में डॉ० राम मनोहर लोहिया का नाम प्रमुख रूप से लिया जाता है। वे एक गांधीवादी चिंतक, राजनीतिक इतिहासकार, दार्शनिक, अर्थशास्त्री तथा प्रसिद्ध लेखक थे। डॉ० लोहिया ऐसे विचारक थे, जिन्होंने एशिया व यूरोप दोनों महाद्वीपों की विशिष्ट परिस्थितियों में अंतर स्पष्ट करते हुए समाजवाद की व्याख्या प्रस्तुत की। उन्होंने समाजवाद के महान उद्देश्यों को भारतीय संदर्भों में व्याख्या कर उसे व्यवहारिक बनाने का प्रयास किया। डॉ० लोहिया विचारक और आंदोलनकारी, राजनीतिज्ञ और सामाजिक क्रांतिकारी, विद्रोही और परंपराशोधक के रूप में एक साथ जाने जाते हैं। डॉ. लोहिया ने देशज परंपराओं व मान्यताओं के तहत् उन्होंने चीजों को परखा और नवजागरण की पश्चिमी विचारधारा से प्रभावित भारतीय धारा के विरूद्ध देशज समाजवाद की एक नई व्याख्या उन्होंने दी। उन्होंने वर्तमान समाज–व्यवस्था के आर्थिक ही नहीं, बल्कि सामाजिक, राजनीतिक एवं धार्मिक पहलूओं पर भीषण प्रहार किया है, और प्रत्येक पहलू के लिए एक विशिष्ट नीति का प्रतिपादन किया। उनके विचारों में समता, सामाजिक न्याय, संस्कृति, व्यक्तिगत स्वतंत्रता, व्यक्ति की गरिमा एवं उसके अधिकारों को सुरक्षित रखने वाली व्यवस्था मौजूद थी। डॉ० लोहिया ऐसे विशिष्ट व्यक्तित्व थे, वे गांधीजी के सत्याग्रह और अहिंसा के अखण्ड समर्थक थे, लेकिन गांधीवाद को अधूरा दर्शन मानते थे, वे समाजवादी थे, लेकिन मार्क्स को एकांगी मानते थे, वे राष्ट्रवादी थे, किन्तु विश्व सरकार का सपना देखते थे, वे आधुनिक थे, लेकिन आधुनिक सभ्यता को बदलने का प्रयत्न करते रहते थे, वे विद्रोही और क्रांतिकारी थे, तथा शांति एवं अहिंसा के अनूठे उपासक थे।

डॉ. लोहिया का मानना था कि भारत में जितनी भी सामाजिक विषमताएँ हैं, उनमें जाति–प्रथा सर्वाधिक विनाशकारी है। जब तक जाति–प्रथा समाप्त नहीं होगा, तब तक समाजवाद संभव नहीं, क्यांकि आर्थिक और सामाजिक समता समाजवाद के प्रधान लक्ष्य है। डॉ० लोहिया का कहना था कि ''आर्थिक गैर बराबरी और जाति–पाति जुड़वाँ राक्षस है, अगर एक से लड़ना है, तो दूसरे से भी लड़ना जरूरी है।'' डॉ० लोहिया सामाजिक न्याय को स्थापित करने के लिए समाज से जाति–प्रथा को हटाना चाहते थे। उनके अनुसार भारतीय समाज के विकास में सबसे बड़ा बाधक जातिवाद है, जो समाज को आपस में तोड़ने का काम करती है, इसलिए वे व्यक्ति के लिए जाति से की जगह कर्म की प्रधानता को मानते थे।

वर्ग व्यवस्था की बुराई ने ही दूसरी बुराईयों को जन्म दिया है, और यह बुराई ''जाति'' की है। डॉ० लोहिया मानते हैं, कि जाति–प्रथा भारत में सर्वाधिक व्यापक व्यवस्था है। अपनी पुस्तक ''जाति व्यवस्था'' में वे इस पर लिखते हैं, कि भारत के पतन के कारणों का सबसे प्रमुख कारण है, यहाँ इतनी अधिक सामाजिक विषमता, जो देश को ऊँच–नीच, सामाजिक दूरी एवं कुछ जातियों की दरिद्रता जैसी बुराईयों से ग्रस्त कर रखा है। वर्ग व्यवस्था पर आधारित जाति व्यवस्था, अस्पृश्यता संकीर्ण सांप्रदायिकता, और सामाजिक–आर्थिक असमानता आदि भारत को आगे बढ़ने से रोक रही है। स्त्री–पुरूषों के बीच भेदभावों को डॉ० लोहिया भारत की दरिद्रता का प्रमुख कारण मानतें थे। उनका मानना था, कि ''जाति एवं स्त्री के प्रति भेदभाव मुख्यत: हमारी मन:स्थिति के ह्रास के लिये उत्तरदायी है।'' इन भेदभावों ने भारतीयों के साहस एवं आनंद के भावों का हरण किया है। जाति–प्रथा के दोषों को डॉ० लोहिया ने विस्तारपूर्वक बताया है। इस कुप्रथा के परिणामस्वरूप समाज में आर्थिक–सामाजिक असमानताएँ, कमजोर वर्गों को उनके राजनीतिक अधिकारों की मनाही तथा ब्राह्मण–वैश्य वर्ग के विशेषाधिकारों की व्यवस्था पनपी है। डॉ० लोहिया का कथन है, कि ''जाति व्यवस्था लोगों के समान अवसरों को सीमित करती है, सीमित अवसर और योग्यता को संकुचित कर देती है, और जहाँ जाति का प्रभुत्व है, वहाँ संकुचित योजना अवसरों को और आगे बढ़ने से रोकती है, इस पकार, अवसर और योग्यता कुछ लोगों के सीमित दायरों में और अधिक सीमित हो जाते हैं।'' डॉ० लोहिया ने केवल जाति–प्रथा की बुराईयों का वर्णन ही किया है, बल्कि जाति–प्रथा को जड़ से निकाल फेंकने के उपायों के सुझाव भी दिये हैं, जैसे– अंतर्जातीय विवाह, सहभोज, व्यस्क मताधिकार, प्रत्यक्ष चुनाव, तथा पिछड़े लोगों के लिये विशेष अवसरों का प्रवाधान, समाज में स्त्रियों को पुरूषों के बराबर अधिकार की बात करते थे। इसके अतिरिक्त भूमिहीन श्रमिकों को समुचित जमीन बाँटना, खेतीहर मजदूरी बढ़ाना तथा पिछड़े वर्गों को राजनीतिक, आर्थिक और प्रशासनिक क्षेत्रों में आरक्षण जैसी विशेष सुविधाओं को प्रदान करके जाति–व्यवस्था को समाज से हटाना चाहते थे।

डॉ. लोहिया का मानना था, कि बिना भौतिक बराबरी लाये, केवल उपदेशों से 'वसुधैव कुटुम्बकम्' का सिद्धांत अमल में नहीं लाया जा सकता। संपूर्ण मानव समाज में वास्तविक समता की भावना उभारने तथा व्यवहार में लाने के लिये पहले भौतिक, बराबरी करनी पड़ेगी। समता ही सिद्धि की कसौटी है। आध्यत्मिक बराबरी, ज्ञान और अनुभव का विषय है। उन्होंने समता की अनुभूति के लिये भौतिक बराबरी को जरूरी बताया। इसके लिये व्यक्ति को कानूनी, राजनीतिक, सामाजिक तथा आर्थिक समानता मिलनी चाहिये। उन्होंने गांधीजी के विचारों का गहन अध्ययन करके भारतीय परिपेक्ष्य में समाजवादी विचारधारा को समझाने का प्रयास किया। डॉ. लोहिया की मान्यता है, कि स्वतंत्रता और समानता अविभाज्य है। समानता के बिना स्वतंत्रता की कल्पना भी नहीं की जा सकती है। यदि समाज में समानता नहीं है, तो वह समाज अन्यायपूर्ण है। भारत में असमानता और अन्याय प्रगति के मार्ग में बाधक है। डॉ० लोहिया ने इन अन्यायों एवं असमानताओं के विरूद्ध सात क्रांतियों की चर्चा की

है। इन क्रांतियों के द्वारा अविकसित देश में व्याप्त असमानताओं एवं अन्यायों के साम्राज्य का अंत होगा। वे सात क्रांतियाँ निम्नलिखित हैं:—

१) स्त्री—पुरूष के बीच समानता के लिए क्रांति।

२) राजनीतिक, आर्थिक तथा रंग भेद पर आधारित व्यवस्था के विरूद्ध क्रांति।

३) जाति वर्ग व्यवस्था के विरूद्ध क्रांति।

४) साम्राज्यवादी—उपनिवेशवादी दासता के विरूद्ध क्रांति तथा स्वतंत्रता और विश्व स्तर पर प्रजातांत्रिक शासन के लिए क्रांति।

५) आर्थिक समानता तथा नियोजित उत्पादन के लिए क्रांति।

६) निजी मामलों में अतिक्रमण के विरूद्ध क्रांति।

७) शास्त्रों के विरूद्ध और सत्याग्रह के लिए क्रांति।

इस प्रकार डॉ. लोहिया समाजवाद शोषण मुक्त समाज की रचना करके वर्त्तमान समाज की दासता, विषमता, अन्याय और असहिष्णुता को सदा के लिए दूर करे स्वतंत्रता, समता, सामाजिक न्याय और भतृत्व की स्थापना करना चाहते थे। डॉ॰ लोहिया का विश्वास था, कि सामाजिक—आर्थिक विकास के साथ—साथ सांस्कृतिक विकास भी आवश्यक है। सांस्कृतिक विकास के साथ उसके मन का विकास होता है, स्वाभाविक है, कि 'रोटी की संस्कृति' और रोटी और संस्कृति में महत्वपूर्ण भेद है। 'रोटी की संस्कृति' में मनुष्य पशुवत हो जाता है। किंतु सांस्कृतिक स्वतंत्रता के साथ जो रोटी का संयोग होता है, उससे मन और पेट दोनों को तुष्टि मिलती है। इसी प्रकार डॉ. लोहिया 'विषय' और 'प्रवृत्ति' में भी भेद करते हैं। केवल विषय तुष्टि के लिए दो भाग करना पशुवत है। किंतु 'विषय' के साथ व्यापक 'प्रवृत्ति' के संयोग से 'विषय' की तृप्ति तो होती ही है, और साथ ही सुदृढ़ प्रवृत्तियों समाज को विकास की ओर प्रेरित करती है। जहाँ तक भारतीय समाज का प्रश्न है, लोहिया मानते थे, कि समाज को आधुनिक होना चाहिये, आधुनिक हुए बिना वह अपनी पारस्परिक चेतना को पुनर्स्थापित नहीं कर सकते। परंतु आधुनिकता के चक्कर में नकलबाजी से बचना होगा आधुनिक होने के चक्कर में हमें अपने लोकभोज, लोकभाषा और लोकभूषा का परित्याग नहीं करनी चाहिये, क्योंकि हमारी सांस्कृतिक चेतना के अंग हैं। वे भारतीय समाज की सांस्कृतिक चेतना की ऊँचाइयों के प्रबल प्रशंसक थे। उन्होंने अपनी व्यवस्था को दार्शनिक आधार पर स्पष्ट करने के लिये तीन पौराणिक प्रतीकों—राम, कृष्ण तथा शिव को लिया है। तीनों के रास्ते अलग—अलग हैं, किंतु तीनों पूर्ण व्यक्तित्व के प्रतीक हैं। उनके अनुसार ऐसे महान आदर्श विश्व के किसी देश और संस्कृति में नहीं है। भाषा के विकास में भी उनकी अहम भूमिका है। वे राज्यों में राज्य की भाषा के समर्थक थे। राजभाषा हिंदी का पक्ष उद्धारित करते हुए उन्होंने सरकारी कामकाज में उसकी अनिवार्यता स्वीकार की। अपनी भाषा के विकास से राष्ट्रका विकास और पहचान असंभव है। भाषा की रक्षा सीमाओं की रक्षा से भी अधिक जरूरी है। इसलिए हमें अपनी भाषा का मान—सम्मान करना चाहिए। उनका कहना था, 'हिंदी या दूसरी भारतीय भाषाओं की सामर्थ्य का सवाल बिल्कुल नहीं उठाना चाहिए। अगर वे असमर्थ हैं, तो इस्तेमाल के जरिये ही उन्हें समर्थ बनाया जा सकता है। डॉ॰ लोहिया भारत में फैली सामाजिक, आर्थिक और राजनीतिक विषमता से काफी चिंतित थे। इसलिए वे अंग्रेजी हटाओ, हिमालय बचाओ, जाति तोड़ो दाम बांधों, अन्त सेना, निरक्षरता सेना, अलाभकारी खेती से लगान हटाने का सवाल उठाते थे। कुटीर उद्योगों की सीमायें, निजी और सार्वजनिक क्षेत्र की सीमायें निर्धारित करने की माँग भी करते थे। इसी तरह उन्होंने बेरोजगारों की पलटन भूमि सेना, सिंचाई सेना का गठन, सात क्रांतियों की अवधारणा, चौखंभा शासन, कृषि व खाद्य समस्या, नारी—वर्ग का उत्थान, हिंदू—मुस्लिम एकता, रंगभेद, हथियारों की निर्भरता व नियोजन संबंधी मौलिक विचार दिये। डॉ॰ राम मनोहर लोहिया के सामाजिक, आर्थिक, राजनीतिक, सांस्कृतिक एवं दार्शनिक विचारों का अनुशीलन करने से उनके बहु—आयामी व्यक्तित्व का स्वरूप उभर कर हमारे सामने आता है। वे समाज सुधारक हैं, किसी भी प्रकार के अन्याय को अन्याय ही मानते हैं, जिसके सुधार के लिये वे सतत् संघर्षशील हैं, उनका राष्ट्रवाद संकीर्ण और युद्धप्रिय नहीं बल्कि उदार एवं देशप्रेम के प्रति समर्पित है, तथा जो अंतर्राष्ट्रवाद का पूरक है, उनके लोकतंत्र की आत्मा का निवास लोकतांत्रिक समाजवाद में है, जिसमें व्यक्ति की भौतिक एवं नैतिक आवश्यकताओं की आसानी से पूर्ति होती है। वे व्यक्ति की समानता, स्वतंत्रता, सामाजिक न्याय, एवं उसकी गरिमा के अनन्य पुजारी हैं, सर्वोपरि, उनके इन गुणों का सामंजस्यकारी रूप डॉ. राम मनोहर लोहिया के व्यक्तित्व को एक मानवतावादी, दार्शनिक के रूप में हमारे सामने प्रस्तुत होता है। डॉ. लोहिया का यह मानना था कि भारतीय भोगौलिक, सामाजिक, राजनीतिक, आर्थिक और सांस्कृतिक परिवेश में विभिन्नता है, वह अन्य यूरोपीय देशों से विभिन्न है, तो हमें हमारा विकास यहाँ की परिस्थितियों के आधार पर करना होगा। आज के संदर्भ में जब भारत ही नहीं पूरा विश्व सतत स्थायी विकास का नया रास्ता खोज रहा है, तो राम मनोहर लोहिया के विचार और भी प्रासंगिक हो जाते है, जिसमें समाज, संस्कृति, प्रकृति, भाषा, परंपरा, समय परिस्थिति एवं देशज आवश्यकता पर विकास की आवश्यकता पर बल दिया। डॉ॰ राम मनोहर लोहिया आज हमारे बीच में नहीं हैं, लेकिन उनके विचार और सिद्धांत आज भी भली प्रकार हमारा मार्गदर्शन करते हैं। उनके द्वारा दिए गए विचारों को भारत के विकास के मॉडल के रूप में अपनाकर हम सशक्त भारत का निर्माण कर सकते हैं।

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Chief Editor
Dr. R. V. Bhole
'Ravichandram' Survey No-101/1, Plot, No-23,
Mundada Nagar, Jalgaon (M.S.) 425102
Email- rbhole1965@gmail.com
Visit-www.jrdrvb.com

Address
'Ravichandram' Survey No-101/1, Plot, No-23,
Mundada Nagar, Jalgaon (M.S.) 425102