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One Day International Multidisciplinary Conference on Viksit Bharat Vision 2047

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Professor

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Tal Raver, Dist Jalgaon

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संपादकीय

दिनांक - २ फेब्रुवारी २०२६

विकसित भारत २०४७ - एक दृष्टीकोन या विषयावर आज दि २ फेब्रुवारी २०२६ रोजी आंतरराष्ट्रीय चर्चासत्र संपन्न होत आहे याचा मला विशेष आनंद वाटतो. विकसित भारत २०४७ सरकारच्या स्वातंत्र्याच्या १०० व्या वर्धापन दिनानिमित्त देशाला एक प्रगत समृद्ध आणि विकसित राष्ट्र बनविण्याचा महत्वाकांक्षी दृष्टिकोन आहे. त्यात सुशासन, सामाजिक समानता, पायाभूत सुविधांचा विकास आणि राष्ट्राचा आर्थिक विकास यावर केंद्रित आहे. ज्यामध्ये तंत्रज्ञान, आरोग्य आणि शिक्षणाद्वारे युवा शक्तीला सक्षम करून भारत एक जागतिक महाशक्ती बनण्याचे लक्ष आहे. देशातील १४० कोटी जनतेला आर्थिक, सामाजिक आणि तांत्रिकदृष्ट्या आत्मनिर्भर करण्याचा संकल्प भारत सरकारने केला आहे. त्याकरिता शिक्षण हा पाया आहे. भारताच्या प्रगतीसाठी आणि आर्थिक विकास, सामाजिक न्याय, समानता, शास्त्रीय पध्दती, राष्ट्रीय एकत्मता, संस्कृतीचे जतन या क्षेत्रांमध्ये वैश्विक पातळीवर नेतृत्व करण्यासाठी सर्वाना दर्जेदार शिक्षण उपलब्ध करून देणे महत्वाचे आहे. व्यक्ती, समाज, देश आणि जगाच्या हितासाठी देशातील तरुणांमधील प्रतिभेस विज्ञान तंत्रविज्ञान तसेच संशोधन याची जोड भविष्यात सार्वभौमिक व समाज पातळीवर असेल. त्यामुळे देश विकासाच्या टप्प्यावर पोहचेल.

जगामध्ये ज्ञानाच्या बाबतीत वेगाने बदल होत आहेत. बिग डेटा, मशीन लर्निंग, कृत्रिम बुद्धिमत्ता यासारख्या विज्ञान व तंत्रज्ञानाच्या क्षेत्रात वेगाने बदल होत आहेत. पृथ्वीवरील हवामान बदलाबरोबर वाढते प्रदुषण, वाढत्या साथी व कोरोनासारखी महामारी, संसर्गजन्य रोग यावर सातत्याने वैद्यकीय शिक्षणातील संशोधनाने ते नियंत्रणास आणणेसाठी भारताने समृद्ध होण्याकडे झेप घेतलेली असेल. सर्वच शाखांमध्ये व विषयांमध्ये तसे अभ्यासक्रम विकसित केलेले असतील. तरुणांना रोजगाराच्या संधी ह्या विविध औद्योगिक प्रकल्प, कारखाने, संशोधन संस्था, शिक्षण संस्थामधून मिळेल. शिकतांनाच कौशल्य शिक्षणाचेही अभ्यासक्रम शिकविले जातील. तरुणांना गुगल, युट्यूबच्या माध्यमातून केंद्र शासन व राज्य शासनाच्या वेबसाईटवर अनेक अभ्यासक्रम उपलब्ध आहेत त्यात प्रत्येक वर्षी भर पडेल तसेच अभ्यासक्रमात मूलभूत कला, हस्तकला, मानसशास्त्र, खेळ, क्रिडा आणि आरोग्य, भाषा, साहित्य, संस्कृती आणि मूल्यांच्याही समावेश असेल की त्या शिक्षणामधून उत्तम चारित्र्य घडेल आणि ज्यायोगे शिकणारे नितीवान, तर्कशुद्ध, सहानुभूतीशील व सहदृश्य बनतील तसेच रोजगार मिळविण्यासाठी तरुण सक्षम होईल, दर्जेदार शिक्षण देशाला विकासाकडे घेऊन जाते. आज प्रगत समजले जाणारे देश अमेरिका, रशिया, जर्मनी, जापान, दक्षिण कोरिया, ईस्त्राईल यांतील शिक्षणपध्दती विज्ञान, तंत्रज्ञान, संशोधन यांचेप्रमाणेच भारताने विज्ञान व तंत्रज्ञानात, संशोधनात प्रगती साधलेली असेल त्यातील एक पाऊल म्हणजे भारत सरकारकडून नवीन शैक्षणिक धोरण २०२० हे अंमलबजावणीच्या रूपाने आपणासमोर आलेले आहे.

विकसित भारत २०४७ एक दृष्टीकोन या चर्चासत्रात विविध प्राध्यापकांचे / अभ्यासकांचे अभ्यासपूर्ण लेख वाचावयांस मिळतील त्याचबरोबर वैचारिक प्रबोधन होईल त्याचा विद्यार्थ्यांना, तरुणांना, प्राध्यापकांना, संशोधकांना, समाजाला फायदा होईल हे समाजहितासाठी देशहितासाठी विकसित भारतासाठी आवश्यक ठरेल.

धन्यवाद.

डॉ. विजय हिरालाल उभाळे

प्राचार्य क्रांतिवीर नवलभाऊ कला महाविद्यालय

नवलनगर ता. जि. धुळे.



MESSAGE

The International Conference on *Vikasit Bharat: Vision 2047* stands as a timely and intellectually stimulating platform that brings together scholars, policymakers, scientists, educators, and industry experts to deliberate on India's transformative journey toward becoming a fully developed nation by the centenary of its independence. The theme of the conference reflects not only a national aspiration but also a global responsibility, as India's growth trajectory is closely intertwined with sustainable development, innovation, and inclusive progress worldwide.

From an editorial perspective, the conference successfully integrates multidisciplinary perspectives encompassing science and technology, education, biotechnology, environmental sustainability, economic reforms, digital transformation, and social equity. The deliberations highlighted that the realization of Vision 2047 requires a strong foundation of research-driven policies, indigenous innovation, and capacity building in higher education and skill development. The emphasis on self-reliance (*Atmanirbhar Bharat*), coupled with global collaboration, emerged as a key strength of the conference.

This International Conference on *Vikasit Bharat: Vision 2047* serves as a meaningful intellectual milestone, fostering dialogue that bridges policy, research, and societal needs. As Editor, I firmly believe that the ideas, recommendations, and collaborations initiated through this conference will contribute significantly to shaping a progressive, inclusive, and globally influential India by 2047. Wish you all the best.

Dr. Y. M. Bhosale



॥संपादकीय लेख॥

विकसित भारत संकल्पना 2047' भारत सरकार का एक दूरदर्शी मिशन है। जिसका लक्ष्य 2047 में स्वतंत्रता के सौ साल पूरे होने तक भारत को एक पूरी तरह से विकसित राष्ट्र बनाना है, जिसमें उच्च आर्थिक विकास, गरीबी उन्मूलन, सामाजिक प्रगति, विशेषकर महिला सशक्तिकरण, पर्यावरणीय स्थिरता और सुशासन पर जोर दिया गया है, और इस लक्ष्य को प्राप्त करने के लिए युवाओं की आवाज की पहल के माध्यम से सुझाव आमंत्रित किए जा रहे हैं, ताकि समावेशी विकास हो और भारत एक वैश्विक शक्ति के रूप में उभरे।

विकसित भारत 2047 सरकार का वह दृष्टिकोण है जिसके तहत देश को 2047 तक आत्मनिर्भर और समृद्ध अर्थव्यवस्था में परिवर्तित करना है। आर्थिक विकास, तकनीकी उन्नयन, अवसंरचना विकास, सामाजिक सशक्तिकरण और स्थिरता।

भारत ने स्वतंत्रता की शताब्दी- 2047 तक स्वयं को एक विकसित राष्ट्र के रूप में स्थापित करने का संकल्प लिया है। 'विकसित भारत@2047' का उद्देश्य भारत को लगभग 30 ट्रिलियन डॉलर की अर्थव्यवस्था, 25हजार डॉलर प्रति व्यक्ति आय, न्यूनतम गरीबी और उच्च जीवन-स्तर वाले राष्ट्र में बदलना है। यह लक्ष्य केवल आर्थिक विस्तार नहीं, बल्कि समावेशी, स्थिरता और प्रौद्योगिकी-संचालन विकास की परिकल्पना है।

विकसित भारत संकल्पना 2047 विषय पर के. एन.बी आर्ट्स कॉलेज नवलनगर जिला धुले महाराष्ट्र में एक दिवसीय अंतर्राष्ट्रीय संगोष्ठी का आयोजन हुआ जो ग्राम विकास मंडल क्रांतिवीर नवलभाऊ आर्ट्स एंड कॉलेज नवलनगर जिला धुले एवं के. बी .सी विश्वविद्यालय जलगांव तथा श्रीराम फाउंडेशन और ईरान की मानवता समिति के संयुक्त तत्वाधान में आयोजित किया गया। कार्यक्रम के भव्य आयोजन के लिए कार्यक्रम संयोजक प्रो श्री प्रमोद आर पाटिल, डॉ उमेश गांगुर्डे ,डॉ संजय जे पाटिल एवं महाविद्यालय के प्राचार्य श्री डॉ विजय एच उभाले सर को हार्दिक शुभकामनाएं अभिनंदन।

डॉ विजय पाटिल



मनोगत

आज सद्यस्थितीमध्ये कौशल्य, विकास ,आर्थिक विकास व आंतरराष्ट्रीय स्तरावर विकसित भारत,
विकसित महाराष्ट्र तसेच विविध राज्य विकसित झाले आहेत.

म्हणजे

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केतुलेनी एके वेळे

मार्गाचेनी बळे निश्चित ठाके ज्ञाने.

व या न्यायाने समृद्ध विकसित भारताची संकल्पना येणाऱ्या जवळच्या भविष्य काळामध्ये काय असू शकेल. याबाबत विद्वानांच्या विचारवंतांच्या व ज्यांनी आपला बौद्धिक स्थर विचार मंथनाच्या वेगळ्या पठडीवर नेला आहे. अशा विचारप्रसादाची पूजा बांधणारे प्राध्यापक, संशोधक ,शिक्षक, विचारप्रचूर विद्वान मंडळीच्या मनातील व मंथनातील विकसित भारत कसा असावा? हा मर्मबंध जाणून घेण्यासाठी क्रांतिवीर नवलभाऊ कला महाविद्यालय नवलनगर ता. जि. धुळे येथील संस्थाचालक मा. अँड नानासाहेब विजय नवल पाटील,मा. सचि, व सौ शीलाताई विजय पाटील उपाध्यक्ष मा. बाळासाहेब अनिकेत विजय पाटील, प्राचार्य, या परिषदेचे सह समन्वयक यांनी विचारान्वये आंतरराष्ट्रीय परिषदेसाठी विकसित भारत 2047 ,या विषयावर शिक्का मोर्तब केले आहे. सजजनहो डॉ.श्री. ग. बापट, प्रा. प्र.ल.नानकर व प्रा.ना.कृ गुणे यांनी लिहिलेल्या व संपादित केलेल्या ."विकसित भारत 2047" या पुस्तकाच्या व आपल्याही पाहण्यातील अनेकविध विचारवंतांचे या संबंधीचे विचारमंथन आपण या प्रस्तुत जर्नल मधून अनुभवावयास आपणास मिळणार आहेत. आर्थिक विकासाचा दर 100 ते 1000 ट्रिलियन डॉलरची अर्थव्यवस्था बनवणे .त्या दृष्टिकोनातून तंत्रज्ञानाचा वापर, तरुणांना रोजगाराच्या संधी, नागरिकांचे सक्षमीकरण ,महिलांचा वैज्ञानिक व कौशल्यपूर्ण विकास, हरित क्रांतीसाठी आगळ्या वेगळ्या पायाभूत विचार वृद्धिंगत झाले पाहिजे. अशा पायाभूत सौर ऊर्जा, स्वच्छता आणि पर्यावरण नागरिकांना विचारवंतांना व ज्यांच्या विचार संकल्पनेत भविष्याबद्दलच्या काही अनन्य साधारण कल्पना आहेत. ते मांडण्यासाठी पब्लिक विचार मंच my gov.in मध्ये सुरू करण्यात यावा .अशा अनेकविध बाबींचा परामर्श घेण्यासाठी आरोग्य, लिंग समानता ,विज्ञान तंत्रज्ञानाचा सुयोग्य समन्वय ,बळकट अर्थव्यवस्थेसाठी पायाभूत विकास करून संस्कृती व संस्कृती व भारतीय ज्ञान परंपरेला वृद्धिंगण करण्यासाठी हवामान बदल व त्यासाठीचे उपाय व जगाच्या व्यासपीठावर भारताला पर्याय देणारा देश म्हणून उभा करण्याचे उद्दिष्ट अंगीकृत केले पाहिजे. भारतातील टुरिझम तसेच सामाजिक सांस्कृतिक मूल्यांची जपणूक करून मिशन, 2047 साठी कशा पद्धतीने ग्रामीण, शहरी, मेट्रोपॉलिटन कॉस्मोपॉलिटन समाज एकत्रित करून विकसित भारताला व भारतीय संकल्पनेला पायाभूत खतपाणी देण्यासाठी व हे विचार वास्तवतेमध्ये फलीभूत होण्यासाठी ज्यांनी ज्यांनी सकारात्मक विचार करून आदर्शवत समाज जीवनाला गवसणी घालण्याचा प्रयत्न केला आहे. अशा व्यक्ती समाज ,पर्यावरण अशा बहुतांशी विषयांना प्राधान्य देऊन हे विचार समाजातील नवीन संशोधन कार्य करणाऱ्या संशोधकांना ,विचार तत्त्व मांडणाऱ्या तज्ञांना, जाणकारांना ,जाणून घेण्यासाठी महाविद्यालयाने हा ज्ञान संप्रदायातील मोठ्या विषयाचा छोटे खानी खारीचा वाटा उचलण्याचा प्रयत्न केला आहे. निश्चितच या

परिषदेमध्ये जे विचार प्रबोधन ,संशोधन लेख जर्नल मध्ये ग्रंथीत करण्यात आलेले आहेत .त्यात कला, विज्ञान, वाणिज्य, शिक्षणशास्त्र, अभियांत्रिकी, फार्मसी अशा विविध शाखांच्या प्राध्यापकांचे लेख आपणास अभ्यासावयास मिळणार आहेत .निश्चितच या आंतरराष्ट्रीय परिषदेतून भारतीय विकासाच्या संकल्पनेला हृदयंगम करून ती संकल्पना अमूर्त मधून मुर्त स्वरूपामध्ये आणण्यासाठी ज्या विचार प्रभूंनी हा वैचारिक ठेवा प्रस्तुत केलेला आहे अशी ज्ञानगंगोत्री या जर्नलच्या रूपाने आपणास सादर समर्पित करित आहोत. या परिषदेमध्ये ज्यांनी आपले संशोधन लेख देऊन बौद्धिक प्रगल्भतेचा मार्ग मोकळा केला आहे .अशा संशोधक ,मार्गदर्शक, प्राचार्य ,उत्तर महाराष्ट्र विद्यापीठ स्तरावरील सिनेट सदस्य, एमसी मॅबर व ग्रामीण महाविद्यालयावर प्रेमाची पखरण करून आपण आम्हाला पदरात घेतले व अनमोल सहकार्य केले . यास्तव मी या परिषदेचा प्रमुख समन्वयक म्हणून आपले अनंत कोटी धन्यवाद व्यक्त करतो. या परिषदेत महाविद्यालयातील सर्व प्राध्यापक वृंद व शिक्षकेतर कर्मचारी व ज्यांनी या परिषदेसाठी महत्वपूर्ण आर्थिक भार व पुरस्कारांसाठीची संस्कृती दाखवली ते श्रीराम फाउंडेशन धुळे यांचे सर्वेसर्वा सन्माननीय श्री वाल्मीक श्रीराम सोनवणे चिप ऑर्गनायझर प्रा. प्रमोद पाटील त्यांच्या सौभाग्यवती सौ प्रिया पाटील सह समन्वयक प्रा. डॉ.संजय पाटील यांच्या समवेत हा राम सेतू बांधण्यासाठी ज्या ज्या सल्लागार समिती स्क्रीनिंग कमिटी, ऑर्गनायझिंग कमिटी, सर्वांनी या ठिकाणी सहकार्याचे कौतुक करून हे वैचारिक खाद्य पुरवण्यासाठी मदत करणाऱ्या आपल्या सर्वांचं पुन्हा एकदा धन्यवाद व्यक्त करतो. आपल्या श्रीचरणी शब्द सुमन अर्पण करून पुढील येणाऱ्या कार्यासाठी आपला आशीर्वाद हवा अशी कृपा दान मागून, हा शब्द प्रपंच येथेच कुंठीत करतो.

प्रा. डॉ. उमेश यशवंतराव गांगुर्डे



प्रा. डॉ. संजय जिभाऊ पाटील

परिषद समन्वयक तथा फॅकल्टी मेंबर (इतिहास) .कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ
जळगाव (महाराष्ट्र)

आमच्या क्रांतिवीर नवलभाऊ कला महाविद्यालय नवलनगर ता.जि.धुळे, श्रीराम फाउंडेशन,
धुळे आणि ताहेरी इंटरप्रिनरशिप कं. दानेशरण ऑफ हुमानिटी (IRAN). यांच्या संयुक्त विद्यमाने आयोजित

केलेल्या एक दिवशीय अंतरविद्याशाखीय आंतरराष्ट्रीय परिषदेला उपस्थित परिषदेचे अध्यक्ष माननीय नामदार अॅडव्होकेट **नानासाहेब विजय नवल पाटील**(माजी य केंद्रीय दळणवळण मंत्री भारत सरकार) प्रमुख वीजभाषक प्राचार्य डॉ. प्रवीण सिंग गिरासे, भाऊसाहेब सिसोदे वरिष्ठ महाविद्यालय नरडाणा, मा. श्री. वाल्मीक सोनवणे. (अध्यक्ष. श्रीराम फाउंडेशन. धुळे)मा. श्री. अॅड. राकेश के पाटील. (अध्यक्ष. रायबा बहुउद्देशीय संस्था धुळे)मा. श्री. संजय के पाटील (राष्ट्रीय अध्यक्ष. मराठा सेवा संघ.) तसेच उपस्थित प्रमुख अतिथी, प्राध्यापक, अभ्यासक व संशोधक, संशोधक विद्यार्थी या सर्व मान्यवरांचे महाविद्यालयाच्या वतीने मनःपूर्वक स्वागत.

आंतरराष्ट्रीय स्तरावर एखाद्या परिषदेचे आयोजन व्हावे यासाठी आमचे सतत प्रयत्न सुरू होते. शेवटी हा एक ऐतिहासिक क्षण आपल्यासमोर उत्साहात आणि अभिमानाने तसेच आत्मविश्वासाने संपन्न होत आहे या आंतरराष्ट्रीय परिषदेत प्राध्यापकांबरोबरच संशोधक अभ्यासकांची नोंदणी ही फार उत्साहाची आणि विशेष उल्लेख करण्यासारखी बाब आहे. देश विदेशातून आणि विविध विद्यापीठातून शेकडो प्राध्यापक व अभ्यासक या आंतरराष्ट्रीय परिषदेस उपस्थित होत आहेत. प्राध्यापकांबरोबरच नवीन संशोधकांना वेगवेगळ्या विषयांवरील दर्जेदार शोधनिबंध सादरीकरण व प्रकाशित करण्याची नामी संधी या निमित्ताने उपलब्ध झाली आहे. या आंतरराष्ट्रीय परिषदेच्या माध्यमातून सहभागी संशोधक व विद्यार्थ्यांमध्ये आपल्या देशाच्या गौरवशाली इतिहासाविषयी जिज्ञासा व राष्ट्रनिष्ठा वाढविण्यास मदत होईल सामाजिक शास्त्रे आणि आंतरविद्या शाखा मिळून असे एकूण दीडशे हूनही जास्त संशोधन पर लेख व त्यांचे दस्तऐवजीकरण करण्यात आले त्यामुळे एक महत्त्वाचा दस्तऐवज तयार झाला आहे. विकसित भारताच्या निर्मितीसाठी देशातील शैक्षणिक धोरणामध्ये काल सुसंगत बदल करण्याचे प्रयत्न चालू आहेत. त्यामुळे शिक्षणाचा पारंपारिक ढाचा बदलून सुधारित शिक्षण प्रणाली आकार घेत आहे. आंतरविद्या शाखा संपुष्टात येऊन एकीकृत विद्याशाखा निर्माण होत आहेत. म्हणून या आंतरराष्ट्रीय परिषदेत सर्वच विद्या शाखांच्या संशोधन लेखांचा अंतर्भाव केला आहे. त्यामधून तुलनात्मक अध्ययन व संशोधनास निश्चितच प्रेरणा मिळणार आहे. शास्त्र कोणतेही असो मानवी जीवन सुसह्य करणे हा त्याचा अंतिम हेतू असतो. हा दृष्टिकोन ठेवूनच ही आंतरराष्ट्रीय परिषद आयोजित करण्यात आली आहे. महाविद्यालयाने आयोजित केलेल्या या आंतरराष्ट्रीय परिषदेच्या निमित्ताने दर्जेदार असे शोधनिबंध संग्रह प्रकाशित झाले आहेत. प्रकाशित झालेल्या या शोध संग्रहांमध्ये सामाजिक, आर्थिक, शैक्षणिक, सांस्कृतिक, धार्मिक, वाणिज्य विषयक, तंत्रज्ञान विषयक, विज्ञान यासारख्या नानाविध विषयातील शोधनिबंधांचा अंतर्भाव करण्यात आला आहे. या आंतरराष्ट्रीय परिषदेमधून होणारे विचार मंथन, चर्चा अथवा संवाद यातून भावी पिढीला व भावी पिढीतील संशोधकांना नवी दिशा देणारे संशोधन कार्य पुढे येणार आहे. इतिहास, समाज, साहित्य, विज्ञान, तंत्रज्ञान आणि वर्तमान स्थिती याविषयी अभ्यासपूर्ण चिंतन पर लेख शोधनिबंध संग्रहांमध्ये अभ्यासकांना वाचावयास मिळणार आहेत. तसेच विकसित भारताच्या उद्दिष्ट पूर्तीसाठी आणि भारताच्या उज्वल उभारणीसाठी हा शोध निबंध संग्रह अधिक उपयुक्त ठरेल असा आम्हास विश्वास वाटतो.

“विकसित भारत अभियान १९४७” या विषयावरील एक दिवशीय अंतरविद्याशाखीय परिषदेच्या आयोजनाची संधी आमच्या ग्रामविकास मंडळ नवलनगर ता. जि.धुळे. या संस्थेचे अध्यक्ष मा ना. अॅड. **नानासाहेब विजय नवल पाटील** (अध्यक्ष खाजगी शिक्षण संस्था महामंडळ, महाराष्ट्र राज्य. तथा माझी केंद्रीय दळणवळण मंत्री, भारत सरकार.) संस्थेचे उपाध्यक्ष मा. श्री. **बाळासाहेब अनिकेत विजय पाटील**, तसेच आमच्या संस्थेच्या सचिव ताई सो. **शिला विजय पाटील** यांनी उपलब्ध करून दिली. म्हणून त्यांचे हृदयापासून आभार व्यक्त करीत आहोत.

आमच्या महाविद्यालयाचे प्राचार्य डॉ. विजय उभाळे यांनी विश्वासाने व उत्साहाने या आंतरराष्ट्रीय परिषदेच्या आयोजनासाठी मार्गदर्शन केले. महाविद्यालयातील प्राध्यापक डॉ. एन झेड पाटील, डॉ. ए बी सोनवणे, डॉ. यु वाय गांगुर्डे (आंतरराष्ट्रीय परिषदेचे समन्वयक) , डॉ. के डी बागुल, डॉ. एस के कदम, प्रा. विजय शिंदे(शारीरिक शिक्षण संचालक),ग्रंथपाल श्रीमती सुजाता निकम, प्राध्यापक शिवाजी सूर्यवंशी, प्राध्यापक प्रमोद पाटील, कार्यालयीन वरिष्ठ लिपिक श्री. संभाजी पाटील, कनिष्ठ लिपिक श्री. रवींद्र धनगर, ग्रंथालय परिचर श्री योगेंद्र सिंग राजपूत, तसेच शिक्षकेतर कर्मचारी श्री. रोहिदास पाटील, श्री. संतोष पाटील, श्री. संजय पवार. आणि महाविद्यालयातील सर्व विद्यार्थी विद्यार्थिनी यांचे देखील या निमित्ताने आभार व्यक्त करतो.

प्रा. डॉ. संजय जिभाऊ पाटील



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Sr. No.	CONTENTS	Page No.
1	A Comparative Study of Gandhara and Dravidian Styles of Art and Architecture Prof. Tushar. Bansilal Shirole	1-3
2	A Study of Evaluation Methods of English Teacher for Tribal Students in Nandurbar District Dr. Mukesh Sitaram Jaware	4-6
3	Ancient Indian Ideas of Paramanu (Atom) and Renu (Molecule): Insights from Vaisheshika Philosophy Dr. Abhijit Anil Joshi	7-9
4	Gender Equality and Social Inclusion. Ashwini Chandrkant Pardeshi	10-11
5	Changing status of Indian Women in the select short story of Dr.Deepak Chaudhari Dinesh Sahebrao Wadile	12-13
6	Colonialism and Its Impact on Indigenous Knowledge Systems in India: A Historical Perspective Dr. Prashant Vasant Ransure	14-16
7	Community Structure and Diversity Indices of Lepidopteran Moths Chalisgaon, Maharashtra, India Yuvraj M. Bhosale, Ratnakar S. More	17-21
8	Cultural, Heritage & Archaeological Tourism: Performative Ontology and the Politics of Re-membering Prof. Jeetedra Deelip Pagar,	22-24
9	Vision of Nation Viksit Bharat 2047: Opportunities and Challenges Pr. Deshmukh Karuna Shahurao (Lomte)	25-29
10	The Idea of Developed India in Contemporary Indian English Writing Manik Suryavanshi	30-33
11	Peace Education for better tomorrow Dr Ashish Sharad Gurav	34-36
12	Viksit Bharat 2047: Bridging Global Perspectives through English Literature Dr. Amol Uttamrao Patil	37-40
13	Ancient Wisdom to Modern Success: The Historical Roadmap for 2047. Dr. Amol Prakash Patil	41-44
14	The Political Architecture of Viksit Bharat: Vision 2047 Dr. Jayshree C. Salunkhe	45-48
15	Sports as a Catalyst for Viksit Bharat 2047: Building a Healthy and Strong Nation Dr. Parikshit Prafullkumar Sisode	49-52
16	Viksit Bharat 2047: Economic Strategies for a Developed Nation. Dr. Sambhaji K. Kadam	53-56
17	Democracy and Development: The Political Foundations of Vision 2047. Dr. Sandeep Ashok Bhadane	57-60
18	AI-Driven Knowledge Management: A Framework for Intelligent Library Systems in Viksit Bharat 2047 Dr. Siddharth Sanjaykumar Sisode	61-64
19	Education for Creativity Development: A New Thought Stream in Modern Education Dr. Sonali Vasant Dhanraj	65-69
20	Vikasit Bharat Vision 2047: A Concern of Environment Conservation in Amitav Ghosh's Novel the Hungry Tide Dr. Deepak D. Deore.	70-72
21	Impact of Tourism on Socio-Economic Development in Akkalkuwa Tahsil of Nandurbar District (MS) Mr. Gangaram Rajya Vasave, Dr. Ramesh C. Ahire	73-76
22	Gender Equality and Social Inclusion Prajakta Dayanand Gaikwad.	77-80
23	Gender Inequality in Education: Causes, Consequences and Remedial Measures Prof. Dr. Farida Shafik Khan	81-83



Journal of Research and Development

Peer Reviewed International, Open Access Journal.

ISSN : [2230-9578](https://doi.org/10.22309/2230-9578) | Website: <https://jrdrv.org> Volume-18, Issue-2 (XI) | February -2026

24	Integrated role of Traditional and Digital Libraries in Achieving Vision Viksit Bharat@2047 Dr. Sujata A. Nikam	84-87
25	Act on Women's Psyche: An Indian Perspective Supresh Sunil Pagare	88-90
26	Macaulay's Minutes to NEP 2020: De-colonizing the Indian Mindset for Viksit Bharat 2047 Prof. Dr. Yogesh Jagannath Korde, Jyoti Daga Jadhav	91-94
27	Migration Trends and Tribal Population Dynamics in Akkalkuwa Tahsil: A Geographical Analysis Khemsing Irama Valvi, Dr. Ramesh C. Ahire	95-98
28	Comparison of Direct and Indirect Tax Structures in India: An Analytical Study Lunkaran Nemichand Chordiya	99-102
29	Digital Detoxification as a Tool to Improve Emotional Well-Being of XI std Students Mahendra Hiranman Gaikwad, Dr. Deepa Anil Patil	103-105
30	Global Footprints of Indian Culture Manoj Masule	106-107
31	The Dark Reality in Naipaul's India: A Wounded Civilization Dr. Pradip Gulabrao Sonawane	108-111
32	Thermophysico Properties of Binary and Ternary Liquid Mixtures At 298.15 And 308.15 K Rahul. S. Garud, Gokul. P. Borse, Kalpesh. H. Patil	112-115
33	Gender, Caste, and Class: The Fragmentary Social Inclusion in Arundhati Roy's The God of Small Things Dr. Manisha Yuvaraj Suryavanshi	116-119
34	Use of Language Laboratory for the Enhancement of Language Skills Dr. Dhananjay P. Patil	120-122
35	Impacts of Housing Loans Offered to Salaried Persons by LIC of India in 2025 Pareesh Prakash Torawane, Dr. Sanjay N. Tupe	123-127
36	Social Pretense and Vanity reflected in Dr. Deepak Chaudhari's Short Stories Collection "WELCOME 2020!" Rajesh Pundlik Suryavanshi	128-129
37	Representation of Indian Knowledge System in Chetan Bhagat's '2 States' Sangita Sudam Patel, Dr. Yogesh Raman Patil	130-132
38	From Bhakti to Bharat: Indigenous Wisdom in Saint Literature for a Developed India Dnyaneshwar Shantaram Chavan	133-135
39	Can AI be a therapist? Disadvantages of Using AI Platforms as Counselors or Psychologists for Psychological Services with a focus on Gen Z Dr. Bharat Khairnar	136-139
40	Livelihood Diversification Through Tourism in Tribal and Backward Regions: A Study of Selected Tribal Districts in Maharashtra Chetan Ashok Gawali, Dr.D.N.Sonawane	140-142
41	The Oedipal Matrix: Gender, Class, and Emotional Dependency in D. H. Lawrence's Sons and Lovers Dr. Bhausaheb S. Desale	143-145
42	Changing Approach towards the Development in Agro-Tourism (w.r.t. Middle-Class Families from Nashik District) Dr. Gaikwad Surekha Appasaheb, Ghadge Krishna Prabhakar	146-147
43	Thriving and Sustainable Economy: Pathways, Challenges, and Policy Framework Dr. Preeti Vijay Kale	148-150
44	Accounting Education Reforms for Building Future - Ready Professional by 2047 Bushra Ayyub Khan	151-155
45	Development of 21st Century Skills for Employability: A Conceptual Study Sarita Ajabsing Padvi	156-158
46	Role of Computer Technology in Upliftment of Rural India: Agriculture Sector Shaikh Akhil	159-162



47	The Backbone of Knowledge: Role of Libraries in Viksit Bharat 2047. Sachin Bhaurao Kale	163-166
48	Satire in Indian Higher Education: A Critical Study of the Select Poems Roshan Subhash Patil	167-169
49	Sustainable Resource Management: Water, Waste & Energy Shinde Snehal Sanjay (Lecturer)	170-174
50	Transparency in Achieving the Vision of Viksit Bharat @ 2047 CMA Krishnamurthy Velar	175-178
51	Theme of Gender Equality in the novels of Anita Rau Badami: A critical study Dr. Jahagirdar Zinga Salunkhe, Dinesh Gotya Vasave	179-181
52	Tourism, Rural Employment, Women Empowerment, and Youth Entrepreneurship Mayur Ravindra Gawali	182-184
53	Cultural Tourism in Akkalkuwa Tahsil: Preservation and Promotion of Tribal Heritage Vansing Parta Vasave, Ramesh C. Ahire	185-187
54	Educational Access and Barriers for Adivasi Girls in Maharashtra's Nandurbar District Asmita Pruthvising Vasave	188-191
55	Viksit Bharat Vision 2047: A Scientific Framework for a Developed India through Physics-Driven Innovation and Materials Ishita Ghose	192-193
56	A Study of Psychological Well-Being, Academic Stress, and Coping Strategies among Generation Z College Students Bhagwat Motiram Patil	194-197
57	Exploring the Interconnectedness of Culture, Heritage, and Indian Knowledge System: A Comprehensive Review Aparna R. Aphale (Mete)	198-200
58	Financing Sustainable Tourism: Public Funding, Green Bonds, and Start-ups Shubham Dilip Gaud	201-203
59	Impact of Social Media on Reading Habits of Students: P. B. Ghante	204-207
60	Philosophy as a Guiding Force in the Vision of Viksit Bharat 2047 Madhav Bhusnar	208-212
61	Indian English Literature and Nation's Future towards 2047 Rajshree Sachin Akhade	213-216
62	Existential Philosophy and the Theatre of the Absurd: A Reading of Waiting for Godot Jagdish Ramdas Chavan	217-219
63	Study of density and viscosity of aqueous solution of alkali metal salt with 18-crown-6 at 308.15K. Kalpesh patil, G.P.Borse, N.S.Sonawane, Rahul garud.	220-223
64	Portrayal of Gender Issues in Gary Gilbert's movie 'The Kids are All Right' Deepak Shantaram Chaudhari	224-226
65	Tourism as a Catalyst for Rural Employment, Women Empowerment and Youth Entrepreneurship in India Shruti Sunil Mishra	227-229
66	A Vision for Viksit Bharat @ 2047: Sustainable Tourism Development Dr. Raju Z. Yashod	230-234



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67	Innovative Approaches and Future Directions in Rural Development Dr. Ansari Naseem	235-239
68	How Academic Libraries Support Digital Learning in NEP 2020. Dr. Sharda K. Lanjekar	240-243



Original Article

A Comparative Study of Gandhara and Dravidian Styles of Art and Architecture

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Various regional, cultural, and religious factors shaped Indian art and architecture. Among these, two separate but important traditions are represented by the Gandhara and Dravidian styles. While the Dravidian style originated locally in South India and placed a significant emphasis on temple construction, Gandhara art is primarily found in the northwest of the Indian subcontinent and exhibits a strong Greco-Roman influence. In order to highlight these two styles' contributions to Indian heritage, this essay will compare them in terms of origin, materials, themes, iconography, architectural aspects, and cultural relevance. Diverse regional traditions influenced by geography, religion, and cross-cultural interaction gave rise to Indian art and architecture. The Gandhara and Dravidian styles are two of these traditions' unique creative expressions that arose in various historical and cultural situations. The Gandhara style, which primarily reflected Buddhist ideas through realistic sculpture and architectural forms, flourished in the northwest of the Indian subcontinent between the first century BCE and the fifth century CE under heavy Greco-Roman influence. The Dravidian style, on the other hand, emerged in South India starting in the sixth century CE and focused on native Hindu temple architecture that was distinguished by enormous vimanas, gopurams, and ornate sculpture. In order to compare the Gandhara and Dravidian styles, this research article looks at their historical context, geographic location, architectural elements, iconography, and religious significance.

Keywords: Buddhist sculpture, temple architecture, Gandhara art, Dravidian architecture, Indian art history

Introduction-

Regional variety influenced by geography, religion, and historical contacts characterizes India's cultural legacy. While the Dravidian style evolved over centuries under South Indian kingdoms like the Pallavas, Cholas, Pandyas, and Vijayanagara kings, the Gandhara style first appeared during the early Common Era under the patronage of Indo-Greek and Kushana. A comparison of these forms sheds light on the many ways that indigenous customs and outside influences influenced Indian art in different parts of the country.

Objective-

1. To study Comparative Study of Gandhara and Dravidian Styles of Art and Architecture

Theoretical Framework and Research Methodology

The researcher has used descriptive, analytical, qualitative methods. Besides this, he has preferred close reading of the primary and secondary sources. The material in the presented research article has been collected based on reference books on Indian History, A Comparative Study of Gandhara and Dravidian Styles of Art and Architecture, Management, government information and magazines, articles in current newspapers, and the Internet sources.

Research Problem-

The major research questions of this study are as follows....

1. A comparative study similarities, differences and unique significance of Gandhara and Dravidian Styles of Art and Architecture.

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Textual Analysis

The concepts of credit creation, the role of monetary policy in credit creation of

Background History-

1 Gandhara Style –

Between the first century BCE to the fifth century CE, the Gandhara school flourished in areas that are now Pakistan and Afghanistan. Hellenistic, Roman, Persian, and Indian customs influenced its development, particularly in the Kushana era. Buddhism and Gandhara art are intimately related. The Gandhara style of art originated in the northwest of the Indian subcontinent, which includes portions of eastern Afghanistan and modern-day Pakistan (Taxila, Peshawar, Swat Valley). Known as Gandhara in antiquity, this area was strategically located along important trade routes that connected the Middle East, Central Asia, India, and the Mediterranean region. Gandhara thus developed into a mixing pot of ideas, cultures, and creative traditions.

Following Alexander the Great's invasion of India in 326 BCE, which brought Hellenistic (Greek) artistic traditions to the area, the groundwork for Gandhara art was established. After Alexander's death, the Indo-Greek monarchs took control of the region and interacted with native Indian customs while supporting Greek cultural practices. Under the Scythians (Shakas), this union persisted and

2 The Dravidian Style-

Beginning in the seventh century CE, the Dravidian style mostly developed in South India. It peaked during the Chola era. This style, in contrast to Gandhara, has strong roots in Hindu religious traditions, while it also incorporates Buddhist and Jain aspects. South India, particularly the states of Tamil Nadu, Andhra Pradesh, Karnataka, and Kerala, is where the Dravidian architectural and artistic movement first emerged. The Dravidian style, which has its roots in Hindu religious philosophy, temple worship, and social order, arose mostly from local traditions, in contrast to Gandhara art, which was influenced by other cultures.

The Pallava dynasty (6th–8th century CE) is when Dravidian architecture started to take on a distinct architectural style, but its early roots can be found in the Sangam period. As shown in Mahabalipuram (Mamallapuram) and Kanchipuram, the Pallavas invented rock-cut temples and then structural stone temples. The mandapa (pillared hall) and vimana (pyramidal tower), two fundamental components of Dravidian architecture, were developed by these early temples.

3. Materials and Techniques

Aspect	Gandhara Style	Dravidian Style
Primary Material	Grey schist, stucco	Granite, sandstone
Technique	Sculptural realism	Structural architecture
Focus	Statues and relief panels	Temple complexes

Architecture and Architectural Features-

1 Gandhara Style-

Stressing the importance of sculpture, particularly of the Buddha The first depiction of Buddha in human form Wavy hair, realistic facial expressions, and robes that resemble togas Greek naturalism's strong effect Themes primarily drawn from Jataka stories and Buddhist life

2 Dravidian Style-

Temple architecture predominates Among the features are mandapas (pillared halls), gopuram (gateway towers), and vimana (towers). Mythological sculptures are used extensively. Extremely decorative and symbolic Temples functioned as hubs for religion, commerce, and culture.

Cultural and Religious Importance

The spread of Buddhism throughout Central and East Asia was greatly aided by Gandhara art. Hindu religious rituals and temple-centered social life were strengthened by Dravidian architecture. Dravidian style symbolizes the continuation of traditional customs, whilst Gandhara displays the fusion of cultures.

Comparative Analysis -

Feature	Gandhara	Dravidian
Region	North-West India	South India
Period	1st BCE – 5th CE	7th CE onwards
Influence	Greek and Roman	Indigenous
Religious Focus	Buddhism	Hinduism
Art Form	Sculpture	Architecture
Aesthetic	Realistic	Symbolic and monumental



Conclusion

The range and depth of Indian art are exemplified by the Gandhara and Dravidian styles. The Dravidian style is notable for its architectural grandeur and spiritual symbolism, whereas Gandhara art is notable for its cross-cultural synthesis and sculptural naturalism. When taken as a whole, they show how Indian art changed as a result of both internal and foreign encounters, making a substantial contribution to global heritage.

The regional diversity and cultural depth of Indian art and architecture are amply demonstrated by the comparison of Gandhara and Dravidian styles. The Gandhara style, which reflected the cosmopolitan nature of the northwest, brought realism, naturalistic human shapes, and the first anthropomorphic depictions of the Buddha. It was influenced by Indo-Greek and Roman art. In contrast, the Dravidian style arose as a completely local heritage, focusing on colossal Hindu temple architecture with well-defined structural elements such as vimanas, gopurams, and mandapas, reflecting religious devotion and socio-cultural life in South India. While Gandhara art primarily helped the dissemination of Buddhism beyond India through the Silk Route, Dravidian architecture became the foundation of religious, economic, and cultural activity within South Indian civilization.

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Original Article

A Study of Evaluation Methods of English Teacher for Tribal Students in Nandurbar District

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Abstract

The present paper aims at investigating evaluation methods of tribal students in Nandurbar district by an English Teacher. The tribal students in higher education in Nandurbar district are first generation learners of their families. Very few students are fortunate to have higher education in the district. A subject of English has been made compulsory right from the first standard to graduation. After learning English for twelve years in school, it difficult for them to have expected learning outcome. Every year students are declared pass or fail on their performances in examination. Still it seems that the targeted outcome is not seen to be achieved by them. The education system has implemented old traditional methods for conducting evaluation. Tribal students started their education of English language in Marathi; therefore, even today in the world of AI, the foreign language like English has not become their favourite subject. The subject content of English language and literature fails to provide their culture and heritage in it; and it results in their disliking in it. They could not correlate their native life with it. Tribal students are socioeconomically backward; therefore evaluation system could not compete local needs and values of these students. The basic purpose of education system regarding them fails in bringing gap on them. In order to get expected educational output an English Teacher should utilise comprehensive and continuous method for their evaluation. The method will let the students to continuous caring and evaluation. By traditional methods they could have subject knowledge but they do not have all round developed personality. The CCM offers both teacher and students to reach expected learning outcome.

Key Words: Evaluation Methods, Higher Education, English Language, Bringing Gap, Educational Output, Comprehensive and Continuous.

Introduction:

- 1) Present Scenario:** Nandurbar is a few districts of Maharashtra which have more than seventy percent of population of tribe. Students enrolled in higher education are from major tribe of district like Bhil, Pawara, Dhanka, Mavachi and Kokani. Particularly, the Tehsil like Dhadgaon, Akkrani, Shahada, Navapur and Taloda has senior colleges and students taking education in various College of these tehsil. The students of tribal community face problems in learning English at all levels. Though expected outcome is not seen in them still they are promoted to next level of academic phase. The examination system is responsible for it. It allows students to concentrate on annually or semester exam, the system does not offer non-academic achievements. The examination process is focuses at learning subject content. The continuous and comprehensive evaluation methods offers scholastic and non-scholastic knowledge to the students.
- 2) English language and literature:** Since India was under the British Colonial Rule almost up to two hundred years, teaching and learning has become essential part of Indian education system. Indian universities have been continuously imparting English language and literature education to country. The literature class offers learning of prose, poetry, novels, stories and dramatic activities happened in abroad location.



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Students are getting aesthetic pleasure from it only but they could not find local colors in it. Therefore, it seems strange to them, they do not have close relative identity in it. They developed different abilities in it; like critical approach, creativity, translation and enrichment of vocabulary but it used only in exams. The learning of English language and literature develops the scholastic knowledge of students.

- 3) **Tribal Students:** Tribes are ethnical separated groups of society; differ for its unique identity, customs, tradition and way of life. The group live separately away from main stream of society. Tribal students have separated way of their socio-economic life. As they are first generation learners from their ethnic groups, the new and in identical subject content make then confused. They use their own mother tongue in their day today life situation. They learned Marathi language as a second language in their school. The learning of English has almost difficult task for them. Even though, they are learning it for the purpose of getting marks in examination.
- 4) **Culture and Heritage:** The district has old culture and rich heritage of its own. The Bhil and Pawara tribe, which inhabit at Satpuda Mountains. The culture and heritage can be seen in art and craft of the region. The colorful Warli painting and bamboo crafts represent nature and their mythology in it. They have religious festival, social fairs and environmental connections relate to their culture and heritage. The universities provide syllabus, which are far away from their culture and heritage. The English Language and Literature has reflection English or urban society. The curriculum did not offer them, their vernacular reflection in it. Therefore lack of intimacy allows them to have information not knowledge. The syllabus should have local color in it and proper method of evaluation can achieve expected results from side of students.
- 5) **Socioeconomically Development:** Tribal students of district are socioeconomically backward. Their families are dependent on natural resources. Basically they are dependent on forest, traditional agriculture, water bodies, hunting and fishing. Their social status, superstitions, seasonal migration, illiteracy and abundance from current stream of society did not allow their children to be a part of higher education in large numbers. The exam orientated education makes them educated but it fails in making them all round developed personality. The innovative evaluation method can avail an opportunity to them to compete with current situation and uplift their socioeconomic status.
- 6) **Role of Government:** The government of state has provided tribal research and training institute to promote and integrate language. The students are having impact of their mother tongue on their learning, so in multilingual education and English particularly seems difficult to them. The government should direct Curriculum Development and Teacher Training centers to suggest innovative evaluation method to the tribal students, in order to adjust them in multi-lingual scenario.
- 7) **Local needs and Values:** Basically tribal students are deeply rooted in nature and they value natural deities. The literature through which culture is taught, has no similarity with the culture of students, therefore a strange feeling comes in their mind. The university should prescribe such syllabi which can have close relations with Adivasi culture and values.
- 8) **Bringing the gap:** the higher education and skill development of tribal students is only way to bring the gap between urban and tribal. The students are largely belonging to working class family. They have some time poor health, which does not allow them access; what they want to be. The colleges provides well infrastructure and digital connectivity to promote them to be one with all students. Generally other students have command on state language and they have their education in it. The primary school and higher secondary school taught English to them in grammar translation method. The mother tongue and other language of class mates, makes the tribal students confuse. They are trying to learn foreign language in order to bring the gap.
- 9) **Traditional Evaluation Methods:** Generally teaching learning process is evaluated in various methods in targeted study. The teachers of different disciple implement various methods evaluation like,
 - a) **Diagnostic Evaluation:** “The type of evaluation which tries to diagnose the learning skill of the students as well as their shortcomings in the teaching learning process is called diagnostic evolution(Mehata,498)”
 - b) **Prognosis Evaluation:** The dictionary meaning of prognosis Evaluation is to predict. Prognostic evolution helps in predicting the future performance of the students in a specified area of learning.
 - c) **Formative Evaluation:** “The term formative means the on going or systematic assessment of the student’s achievement in the course of teaching program. Formative evaluation occurs between the formative stage that is when the process of teaching and learning is going on and not after it is completed(Mehata501)”.
 - d) **Summative Evaluation:** The term summative means to assigning a grade for student’s achievement at the end of the term of the teaching program. Such type of evaluation is carried out at the end of a lesson or unit, and it represents a final test or measure of the student’s progress made by him as the result of his process of teaching.
 - e) **Comprehensive Evaluation:** “The evaluation is comprehensive in the sense that the overall personality of the child is assessed in all spheres of life.
 - f) **Continuous Evaluation:** Continuous evaluation gives help to the teachers in judging the students for what they have learnt and knowing the defects of teaching so that they can be improved(Mehata508)”



Aims and Objectives:

- 1) To study tribal students of said district.
- 2) To study evaluate methods of tribal students in higher education.
- 3) To suggest Comprehensive and Continuous methods for evaluation.

Hypothesis:

- 1) Study of linguistic competency of tribal students is needed.
- 2) Different evaluation methods are not always useful.
- 3) Comprehensive and Continuous Evaluation Methods can be useful.

Research Methodology:

As the research needs the field level investigation, the researcher himself supervised the field investigation. The secondary data has been collected from library, authentic books and journals. The field investigator has collected the data from class of graduate students.

Along with it the researcher has used the MLA research handbook for citation of relevant topic.

Discussion:

After studying various methods for evaluation for tribal students learning English as a learning language, the traditional method some time fails to justify their progress. Therefore the use of Comprehensive and Continuous Evaluation Methods can be useful. It allows teachers to conduct regular assessment. Regularity in assessment can let them busy in studying the language. The students of different in their approach can be identified by teacher. And he will implement innovation in his teaching. The methods are helpful in covering academic and scholastic area. The method will help teacher and student to identify and evaluate academic and non-academic achievements. The institute plays an important role in developing tribal students. The institute should provide favorable atmosphere for tribal students to learning new language. The teacher should allow them to get work experience of what they have learnt. The place for practicing language should be making them available. The institute should have proper language lab for assessment of students. The university syllabi should have included harmonious development, social values, health and students attitude.

Conclusion:

The progress of tribal students in the field of English language needs to be changed. The traditional method has failed in promoting them to be a good speaker of the language. They have their own culture and tradition, things in syllabus are far away from them. They value their own culture and nature, but English Literature has strange culture and tradition, it fails to provide them of their identified ideas. These students are trying to bring the gap by learning foreign language. Therefore the use of Comprehensive and Continuous Evaluation Methods will allow them to check out of their own progress. The educational institute, where tribal students are in large number should implement this method for their evaluation, in order to allow them to test sweet fruit of knowledge.

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Original Article

Ancient Indian Ideas of Paramaṇu (Atom) and Reṇu (Molecule): Insights from Vaisheshika Philosophy

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This research paper examines the theories of atoms and molecules developed within Vaisheshika philosophy. Through an analysis of the textual material found in Maharshi Kaṇada's Vaisheshika Sutras (6th–2nd centuries BCE) and subsequent commentaries, the study explores the systematic conception of indivisible particles (paramaṇu), their aggregation into molecular formations (reṇu), and the physical principles governing their interactions. The paper situates this theory within the broader Indian knowledge system, compares it with other atomic traditions, and evaluates its philosophical and proto-scientific significance.

Introduction:

The idea of fundamental and indivisible particles of matter is one of the most important concepts in ancient Indian thought. This concept is also one of the most striking similarities with modern physics. Indian atomic theory (*paramaṇu*) presents a refined framework for understanding physical reality that existed many millennia before the emergence of modern atomic theory. This paper studies the Indian concepts of atoms and molecules presented in classical Sanskrit texts, examining both their philosophical fundamentals and their proto-scientific elements.

Historical Background:

Vaisheshika philosophy was founded by Sage Kaṇada. The meaning of his name is “one who consumes atoms.” This school is one of the six orthodox (*astika*) systems of Hindu philosophy. Vaisheshika classified reality under the concept of *padartha* (categories of existence). Primarily, seven categories are described: 1] *Dravya* (Substance), 2] *Guan* (Quality), 3] *Karma* (Action), 4] *Samanya* (Universality), 5] *Viseṣa* (Particularity), 6] *Samavaya* (Inherence), 7] *Abhava* (Non-existence).

Indian Atomic Theory: Fundamental Concepts

Paramaṇu:

Nature and Definition: A *paramaṇu* is the subtlest, indivisible, and eternal constituent of matter. According to the Vaisheshika Sutras: “That which is eternal and indivisible is the atom.” Atoms are neither created nor destroyed; they remain permanently existent through cycles of creation and dissolution of the universe. Vaisheshika describes atoms associated with four physical elements:

1 Earth Atom – Quality of Smell:

According to Vaisheshika, earth-element atoms are the fundamental constituents of solid matter. Their primary distinctive quality is *gandha* (smell). Substances such as soil, stones, metals, and plants possess smell because earth atoms are present in their composition. Thus, smell is considered the special property of earth atoms.

2 Water Atom – Quality of Taste:

Water-element atoms are the subtle components of substances related to liquids. Their chief quality is *rasa* (taste). Water, milk, juices, and other fluids possess taste because of the existence of water atoms. Vaisheshika holds that taste is predominantly found in atoms of the water element.



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3 Fire Atom – Colour and Heat:

Fire-element atoms are associated with light and heat. Their main qualities are *rupa* (colour/form) and *uṣṇata* (heat). Fire, sunlight, lamps, and hot objects involve the activity of the fire element. The colour and temperature of objects are attributed to fire atoms, which make matter luminous and warm.

4 Air Atom – Quality of Touch:

Air-element atoms constitute the fundamental components of air. Their primary quality is *sparśh* (touch). Air is invisible, but it is experienced through touch, such as cool or warm wind and motion. Vaisheshika explains that air atoms generate the sensation of touch and create movement.

5 Ether (Akasa) – Non-Atomic Medium of Sound:

Ether is treated differently in Vaisheshika because it is not composed of atoms. Ether has no atomic particles. It is considered an all-pervading subtle medium whose chief quality is sound (*śabda*). Sound travels from one place to another through ether, making it essential as the medium of auditory propagation.

Properties of Atoms:

Vaisheshika states that atoms possess minimal magnitude, known as atomicity (*anuvā*). Though atoms have no gross shape, they occupy a point in space. They are eternal (*nitya*), meaning they are neither produced nor destroyed. However, they are not completely static; they can move, combine, form larger substances, or separate again. Each type of atom carries specific inherent qualities (*guṇas*), which remain subtle in isolated atoms but become clearly manifested when atoms combine into compounds.

Formation of Molecules (Atomic Aggregates):

According to Vaisheshika, the process of material creation begins with atomic combinations. First, two atoms unite to form a *dvyānuka* (diatomic unit), considered the first subtle compound. Then two *dvyānukas* combine to form a *tryānuka* (tri-atomic unit). Through further combinations and increasing complexity of aggregates, various gross substances and visible objects are produced. Combination occurs through invisible forces, motion, and the action of heat. Vaisheshika Sutras 4.1.1–12 detail atomic conjunctions, explaining that atoms possess an inherent tendency to unite under specific conditions. Kaṇada describes how atomic motion leads to conjunction.

Hierarchy of Matter:

Atom → Diatomic unit → Triatomic unit → Larger aggregates → Visible substances

Principles Similar to Modern Ideas

1 Conservation Principle: Vaisheshika: holds that atoms are eternal and indestructible. They are never destroyed nor newly created. During cosmic creation and dissolution, atoms only rearrange their configurations. Matter transforms, but atoms remain conserved.

2 Discrete Nature of Matter: Matter is described as discrete rather than continuous. Every gross object is composed of innumerable subtle atoms. Large substances arise from the combination of tiny particles, making atomic structure the foundation of material reality.

3 Emergence of Properties: Qualities such as colour, smell, taste, and touch are not clearly present in isolated atoms. When atoms combine into larger aggregates, new properties emerge. Thus, macroscopic qualities arise from specific atomic arrangements.

4 Cause–Effect Law: Atomic: conjunction is not accidental but governed by causality. Motion, heat, and invisible forces (*adr̥ṣṭa*) act as causes for conjunction. Matter formation is therefore systematic and rule-based.

Comparison with Other Atomic Traditions

Greek Atomism (Democritus, Epicurus)

Similarities: Both Greek and Vaisheshika traditions view matter as composed of indivisible atoms. Both require empty space for atomic motion. Both adopt a fundamentally materialist basis for reality.

1. Differences: Vaisheshika atoms possess inherent qualities and combine through divine will or *adr̥ṣṭa*. Greek atoms are qualitatively neutral and combine mechanically through motion alone. Vaisheshika thus incorporates moral and teleological elements absent in Greek atomism.

2 Jain Philosophy:

Jainism also accepts atoms as the basic constituents of matter, endowed with taste, smell, colour, and touch. Jain atomism is connected with an ethical outlook, especially *ahimsa* (non-violence). Thus, Jain atomism integrates physical and moral dimensions.

3 Buddhist Philosophy: In Abhidharma traditions, atoms are accepted but are considered momentary rather than eternal. They arise and perish instantly, lacking inherent existence. This aligns with the Buddhist doctrine of impermanence (*anitya*).

Scientific Evaluation and Limitations



1 Proto-Scientific Features:

Vaisheshika offers a systematic classification of physical reality, recognizes conservation-like principles, attempts to explain macroscopic properties through microscopic structures, and introduces numerical reasoning through concepts like diatomic and triatomic units.

2 Epistemological Limitations:

The theory lacks experimental verification, mathematical formalism for atomic interactions, and incorporates metaphysical ideas such as *adr̥ṣṭa*. Hence, its predictive capacity for specific phenomena is limited.

3 Comparison with Modern Atomic Theory:

Modern atomic theory is mathematical, experimentally verified, and predictive. Vaisheshika is qualitative and philosophical, aiming more at explanation of reality than precise scientific forecasting.

Interconnections with Other Sciences

1 Ayurveda:

Atomic concepts support Ayurvedic ideas of bodily components and balance. Health depends on the equilibrium of subtle constituents, while imbalance produces disease.

2 Rasashastra (Indian Chemistry):

Processes of purification, mixing, and transformation of substances are informed by ideas of atomic conjunction and rearrangement.

3 Astronomy and Cosmology:

Cosmic cycles of creation and dissolution involve disintegration of aggregates during *pralaya* and recombination of atoms at the beginning of a new cycle, linked to *yugas* and *kalpas*.

4 Philosophical Implications:

Vaisheshika supports *Sāṃkhya*'s concept of primal matter (*prakṛti*), provides a material basis for dualistic systems discussing consciousness (*puruṣa*), and informs Vedantic debates about reality, ethics, and the nature of the world.

Modern Relevance and Reinterpretation

1 Revival in the 19th–20th Century:

Indian scientists and thinkers such as Jagadish Chandra Bose and P. C. Ray referred to Vaisheshika ideas, highlighting proto-scientific insights in ancient Indian thought. Nationalist discourse also used these concepts to emphasize India's scientific heritage.

2 New Age and Alternative Comparisons:

Some attempt to equate Vaisheshika atomism with quantum physics. Such comparisons are problematic because Vaisheshika is philosophical and qualitative, whereas quantum theory is mathematical and experimental. A careful academic distinction must be maintained between metaphorical resonance and true scientific equivalence.

3 Contribution to Global History of Science: Vaisheshika:

demonstrates an independent development of particulate matter theory in India. It shows how cultural frameworks shape scientific thinking and serves as an important case study for comparative philosophy of science.

Conclusion:

Vaisheshika atomic theory represents a sophisticated attempt to explain physical reality through fundamental particles and their combinations. Although methodologically different from modern atomic science, it reveals that Indian thinkers pursued systematic and rational inquiry into the nature of matter.

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Original Article

Gender Equality and Social Inclusion

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Abstract:

Gender equality and social inclusion (GESI) are fundamental pillars of equitable and sustainable development. This paper examines the concept of GESI by highlighting its importance in addressing structural inequalities that marginalize women and vulnerable social groups. Gender equality emphasizes equal rights, responsibilities, and opportunities for all genders, while social inclusion focuses on improving the participation of disadvantaged and historically excluded groups in social, economic, and political processes. The study discusses key dimensions of gender equality and social inclusion, including access to education, healthcare, economic resources, leadership, and decision-making, as well as the elimination of discrimination and gender-based violence. Furthermore, the paper outlines effective strategies for promoting GESI, such as policy reform, inclusive leadership, community engagement, awareness programs, and accountability mechanisms. It concludes that integrating gender equality and social inclusion into development planning enhances human rights protection, improves development outcomes, and contributes to achieving inclusive and sustainable societies.

Keywords: Gender Equality; Social Inclusion; GESI; Women Empowerment; Marginalized Groups; Human Rights; Sustainable Development; Inclusive Development; Gender-Based Inequality

Introduction

Gender equality and social inclusion are central to the development process. If we want to ensure that the process is equitable, and benefits reach marginalized groups, the development process must be informed by diverse voices. It is impossible to risk-inform development without understanding and addressing the underlying vulnerabilities that arise due to structural inequalities that prevent women and marginalized groups from contributing to and benefitting from that development. The Gender Equality and Social Inclusion Action Plan provide more information. Gender Equality and Social Inclusion (GESI) means ensuring everyone, regardless of gender, disability, ethnicity, or other identity, has equal rights, opportunities, and dignity to participate in society, tackling unequal power dynamics and structural barriers for marginalized groups to achieve shared well-being and development. It's crucial for fulfilling human rights, fostering sustainable development, and unlocking human potential, focusing on issues like equal access to education, health, economic resources, political participation, and ending violence.

Key Aspects of Gender Equality (GE)

Definition:

Equal rights, responsibilities, and opportunities for people of all genders (women, men, non-binary).

Goal:

Transforming norms and power relations, not just treating everyone the same (equity), to achieve balanced power in homes, workplaces, and governments.

Focus Areas:

Ending gender-based violence, ensuring equal pay, equal access to leadership roles, and addressing the unequal burden of unpaid care work.



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Key Aspects of Social Inclusion (SI)

Definition:

Improving conditions for disadvantaged and historically excluded individuals and groups to participate fully in society.

Focus Areas:

Addressing marginalization based on intersecting identities (age, disability, ethnicity, poverty, sexual orientation).

Inclusion of all:

Recognizes that men and women are not a homogenous group, but are stratified by other factors, requiring targeted strategies for specific vulnerabilities.

Why GESI Matters

Human Right: A fundamental right for all individuals.

Development: Essential for peaceful societies, economic growth, and achieving Sustainable Development Goals (SDGs).

Effectiveness:

Development programs are more successful when they address these inequalities and include diverse voices.

Strategies for Promoting Gender Equality and Social Inclusion

Addressing these challenges requires coordinated and sustained efforts at all levels of society. Some effective strategies include:

1. **Policy Reform:** Governments should adopt and enforce policies that promote gender equality and social inclusion. This includes laws that protect against discrimination, ensure equal pay, and provide access to education, healthcare, and employment for all.
2. **Awareness and Education:** Raising awareness about gender inequality and social exclusion is critical to changing mindsets and cultural norms. Educational programs that challenge stereotypes and promote diversity and inclusion can create lasting social change.
3. **Inclusive Leadership:** Promoting women and marginalized groups into leadership positions ensures that diverse voices are heard, and policies are more inclusive. Organizations and governments must actively work to dismantle barriers to leadership for underrepresented groups.
4. **Community Engagement:** Local communities play a vital role in driving change. Engaging communities in discussions about gender equality and social inclusion helps to challenge harmful norms and promote more inclusive practices.
5. **Monitoring and Accountability:** To track progress, governments and organizations must monitor and evaluate the impact of their gender equality and inclusion initiatives. Setting measurable targets and holding stakeholders accountable is essential for driving meaningful change.

Conclusion:

The Path Forward Achieving gender equality and social inclusion is an ongoing journey that requires commitment, collaboration, and action from all sectors of society. While progress has been made, there is still much work to be done to ensure that everyone, regardless of gender, background, or ability, has the opportunity to participate fully in society and achieve their potential. At Perk Group Africa, we are committed to promoting gender equality and social inclusion through our capacity-building programs and consultancy services. We believe that inclusive societies are stronger, more resilient, and better equipped to face the challenges of the future.

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Original Article

Changing status of Indian Women in the select short story of Dr. Deepak Chaudhari

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Abstract:

The present paper aims to denote the changing status of women in all the sectors. This research paper tries to provide a comprehensive analysis of the various dimensions of Indian women's empowerment. The present paper focuses on various aspects such as education, employment, health, and social norms to understand the multifaceted nature of women's empowerment. The present paper explores the changing status of Indian women in the select short stories of Dr. Deepak Chaudhari such as *Shri Swami Samarth*, *The Beggars Never Marry*, *A Gift Of God* and *Mangal*.

Keywords: Changing, Indian Women, Empowerment, Woman Education

Introduction:

In Indian societies, women play very important role, she plays different kinds of roles as daughter, wife, housewife and mother. Earlier, the Indian families were not used to be happy on the birth of female child in home, but on the other hand, they used to be happier if the child is male .one of the writers , Sukhpal Kaur in his article *Women's Rights: Historical Perspective* , rightly stated the fact , "At the times of Guru Nanak's birth, the condition of women were undoubtedly depressed. The birth of a female child was regarded a bad omen and was looked upon as disfavour." Gradually, the change is being seen in the Indian societies, now a day's female child is equally welcomed as per as the male child is concerned. There has been a lot of improvement in the status of women in India after the independence, women are also enjoying the equal status as compare to their male counterpart.

The present paper focuses on the changing status of Indian women in the select stories of Dr. Deepak Chaudhari such as such as *Shri Swami Samarth*, *The Beggars Never Marry*, *A Gift Of God* and *Mangal*. Dr. Chaudhari has beautifully sketched the female characters as if the stories are written by female writers. He has gracefully crafted women's emotions, feelings, anger, pain, struggles challenges, resilience and rebellious nature.

Educated Women:

Education in India plays very important role in transforming the status of women by making them to develop critical, economic independence and social awareness. Indian educated women take actively participation in making the family and society thereby contributing to democratic values and social progress. Indian Government has initiated the programs like *Sarv Shiksha Abhiyan*, *Beti Bachvao Beti Padhvao*. *Beti Bachvao*, *Beti Padhvao* is also known as Save the Daughter, Educate the Daughter and The Sarva Shiksha Abhiyan (SSA) under the Right to Education (RTE) Act 2009, both the programs launched by the Government of India to address serious problems faced by girls in society, these campaigns promote equal rights and opportunities for girls in education, health, and employment.

Dr. Deepak Chaudhari tries to show the today's women through his stories. The characters like **Ashwini** from *Shri Swami Samarth*, **Sonali** from *The Beggars Never Marry* and **Mangal** from *Mangal*.



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Ashwini is well educated woman. Professionally, she is primary teacher. Being an educated woman , she has accepted the Test Tube Baby Treatment. She is aware of the technology and its benefits.

Sonali is college girl, being an educated, she knows what is right and what is not, so when she is proposed for marriage by her boyfriend, professionally a beggar she has rejected him.

Mangal is well educated married woman, she is tortured for dowry. She is told to bring money from her father she gets divorced from her husband and gets alimony. She takes consideration to remarry.

Thus, one can say that how education impacts on the life of woman to think intellectually, take decision rationally in their lives.

Rebellious Women:

The word 'Rebellious' does not always mean violence, it often takes form of intellectual resistance. Women who challenge unfair rules and social expectations to create their own identity and voice. They do not easily accept traditions blindly; instead, they question practices that limit their freedom, education, or opportunities. Through courage and determination, they stand up for equality, dignity, and self-respect. Their rebellion is not about causing conflict, but about seeking justice and positive change in society. By breaking stereotypes and inspiring others, a rebellious woman become a symbol of strength, independence, and progress.

Dr. Chaudhari has powerfully portrayed the women characters in his collection of short Stories entitled as *The Right Hand and Other Stories* as rebellious women character in his stories such as **Sonali** from *The Beggars Never Marry*, **Suli** from *A Gift of God* and **Mangal** from *Mangal* **Sonali** is college girl, being an educated, she knows what is right and what is not, so when she is proposed for marriage by her boyfriend, professionally a beggar she has rejected him. She says no to her boyfriend **fiercely put her own decision before him.**

Suli is daughter in law of the main character Dhondiba and wife of Bandu, she stands boldly against patriarchal structures and oppressive social norms. When she is asked to prepare tea at midnight, she abused her grandfather and cursed him.

Here are the lines from the stories

Once at 12'0 clock in the midnight, Dhondiba ordered Suli for preparing a cup of tea. They were in the bedroom, sleeping united, half naked on the khaat. Suli opposed him, "Who the hell desires to have a cup of tea such a time! Who the wise woman would get up such a time for another one when she is with her husband? Tell him I am in a sound sleep Thus, Suli opposes her father in law and rejects to prepare tea.

Mangal is well educated woman she strongly rejects her husband's demand to bring money from her father, instead she files divorce and gets divorced from her husband

Thus, it can be said that women can take her own stand fiercely and the change is being seen in the society.

Conclusion:

The status of Indian women has undergone significant transformation over the past decades, marked by increased access to education, greater participation in the workforce, and growing representation in social and political spaces. Dr. Deepak Chaudhari has creatively carved the women characters in his short stories and has presented them boldly. According Dr. Chaudhari, education plays a vital role in shaping a woman's life by empowering her with knowledge, confidence, and critical thinking skills. It enables women to make informed decisions about their health, career, and family, thereby improving their overall quality of life.

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Original Article

Colonialism and Its Impact on Indigenous Knowledge Systems in India: A Historical Perspective

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Abstract: -

This paper analyses the impact of colonialism on India's indigenous knowledge systems (IKS) from a Historical perspective. Indigenous knowledge in India, which encompasses traditional practices in agriculture, medicine, ecology, and social organisation, has always played a cardinal role in community life and cultural identity. The arrival of British colonial rule resulted in a major rift by forcing Western scientific views and dismantling local knowledge as illogical, inferior or superstitious. Using secondary data, colonial archives, and sociological theories about colonialism, cultural ascendancy, and knowledge production, the study focuses on how colonial rule changed and how IKS is shared, its social status, and how it is regarded. It also analyses Indigenous opposition and revival movements after independence that aim to retrieve control over knowledge and cultural heritage. The findings reveal ongoing discussions about identity, social justice, and knowledge diversity in modern India. They emphasise the need to consider indigenous knowledge in larger educational and development plans for a sustainable future.

Keywords: - colonialism, indigenous knowledge systems, India, epistemic hegemony, cultural identity, knowledge sovereignty, postcolonialism

Introduction:

Indigenous knowledge systems (IKS) in India form a vast and intricate network of traditional insight that influences various areas like agriculture, medicine, environmental management, cultural practices, and social organisation. These systems, built on centuries of community experience and local practices, have historically offered sustainable and useful solutions to everyday challenges. It not only shapes Socio-economic and political pursuits but also strengthens cultural identity and unification across generations within diverse Indian societies. However, British colonialism in India created a noteworthy break in the promotion of these indigenous knowledge systems. Colonial rule initiated a framework, that favored Western scientific ideas, often viewing indigenous knowledge as outdated, unscientific, or distrustful. This undermining of indigenous knowledge occurred through colonial educational policies, legal regulations, and organisational practices that pushed traditional knowledge holders to the margins and limited their authority in local and national contexts. The thrust for Western modernity diminished indigenous ways of knowing and changed social relations around knowledge production and sharing, reflecting deeper power imbalances tied to colonialism.¹ This analysis aims to examine the impact of colonialism on Indian indigenous knowledge systems through a historical perspective. Using secondary data, postcolonial theories, and qualitative analysis, the paper looks at how colonialism changed the value, transmission, and social status of IKS.



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It also investigates resistance, adaptation, and revival efforts in post independence India, placing current developments within historical contexts. By presenting these complex connections, the research helps understand ongoing struggles for justice in knowledge and cultural recognition. Acknowledging and incorporating indigenous knowledge systems into mainstream education, policy, and development approaches is vital for promoting sustainable social and ecological futures in India.²

Colonial Knowledge Dominance as a Means of Cultural Control:-

Based on Antonio Gramsci's theory of cultural dominance, colonial control served as a key tool for British imperial power to establish and maintain its political grip on India. Antonio Gramsci states that governing power is not just held through direct political or military means but also through the cultural acceptance of subordinate groups. This acceptance happens by presenting a specific worldview here, Western scientific reasoning as natural and superior over the indigenous one.³

In India, Western ways of knowing became seen as universal, objective, and progressive. Indigenous knowledge systems were pushed aside as irrational and outdated. This knowledge hierarchy was built into colonial laws, educational systems, encyclopedias, and scientific institutions, monopolising the creation, validation, and sharing of what was deemed "legitimate" knowledge.

This dominance indicates more than just exclusion from knowledge; it points to a deeper cultural process where indigenous perspectives and knowledge holders lost their power, social standing, and cultural significance. Borrowing from Pierre Bourdieu's idea of cultural capital, knowledge is transformed into a form of symbolic power that brings prestige and access to resources. The colonial marginalisation of IKS represented a type of symbolic violence a gradual yet systematic imposition of the coloniser's values on Indian society, reinforcing social inequalities masked as scientific objectivity.⁴

Disruption of Knowledge Transfer and Social Connections:

The colonial subjugation organised by colonial institutions tattered the traditional communal and experiential ways of sharing indigenous knowledge. Unlike the Western scientific approach that emphasises on abstract, universal laws, indigenous knowledge in India is characterised by its experiential, contextual, and community-focused nature. Colonial efforts in botany, medicine, and agriculture often took indigenous knowledge and presented it as detached data, focused on imperial economic goals turning knowledge into commodities for global scientific use while disconnecting it from its social roots. This led to a breakdown of the oral traditions and communal custodianship that sustained IKS, resulting in identity displacement among knowledge keepers and their communities. Frantz Fanon's theory about colonial psychological effects helps explain how colonised individuals internalise feelings of inferiority, harming their self-worth and community ties.⁵

Furthermore, the reshuffling of local knowledge hierarchies changed broader social structures. Traditional leaders such as village elders, healers, and local experts lost their authority and influence. This fundamentally reshaped rural governance and social relationships. Additionally,⁶ it increased dependency on colonial systems of knowledge, furthering economic marginalisation and cultural separation.

Indigenous Knowledge as Flexible, Strong, and Interactive:

Contrary to colonial views of indigenous knowledge as fixed or backwards, sociological investigation shows that IKS has adapted and resisted throughout colonial challenges. Indigenous ways of knowing are diverse and involve ongoing negotiation and interaction. Resistance appeared in various forms from subtle acts of cultural preservation found in language, rituals, and ecological practices to organised movements that reclaimed indigenous knowledge spaces. This highlights the agency of colonised communities in opposing dominant narratives and asserting alternative knowledge and identities.

Recent policy efforts, particularly the National Education Policy 2020, demonstrate formal acknowledgement of these realities. They stress the need to incorporate IKS into mainstream education as part of a broader knowledge framework that values all forms of knowledge equally. This policy change marks a shift towards decolonising knowledge systems and promoting social fairness through knowledge diversity, emphasising that knowledge production is inherently linked to power and culture.⁷

Knowledge Fairness and Redefining Knowledge Authority:

The significance of colonialism's effects on IKS connects to today's discussions on knowledge fairness. This idea, explained by Miranda Fricker, focuses on fairness in acknowledgement and representation in knowledge systems. Colonialism exemplified an extensive injustice by silencing marginalized knowledge traditions and their holders.

Reclaiming knowledge justice goes beyond just integrating indigenous content into dominant frameworks. Scholars argue it necessitates changing social dynamics and institutional mechanisms of knowledge creation to enable indigenous communities to actively participate in producing knowledge. This requires challenging lasting colonial



influences that still uplift Western knowledge as the global standard and exploring new methods that respect the uniqueness of IKS.⁸

Socio-economic and Spatial Aspects of Knowledge Inequities:

A key Historical insight is how colonial and postcolonial knowledge inequalities connect with Socio - economic status and geographic disparities. Rural, tribal, and marginalized groups have disproportionately faced knowledge exclusion due to colonial education and scientific policies being mainly urban and aimed at the elite.

This uneven distribution of knowledge has led to ongoing social inequalities, evident in differences in access to education, health care, and governance. Current historical perspectives, such as world-systems theory and subaltern studies, highlight how global and local power imbalances shape indigenous knowledge systems.⁹ To address these inequalities, policies need to be inter-sectional and sensitive to place, recognizing indigenous knowledge as vital to social identity, economic livelihood, and environmental management.

Conclusion:

This study adds a thorough historical perspective on how colonialism reshaped indigenous knowledge systems in India through knowledge domination methods, leading to lasting cultural and social effects. It emphasises ongoing struggles for knowledge rights, cultural identity, and social justice as pivotal in postcolonial transformations. The research supports the idea of knowledge diversity and inclusive knowledge practices as essential for sustainable development and equitable futures in India.

Future research should focus on ethnographically grounded studies that consider the lived experiences of indigenous knowledge custodians and their interactions with state agencies, global science, and market influences. Furthermore, combining indigenous knowledge with modern scientific ideas may lead to new, culturally resonant solutions to social and environmental problems.

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Original Article

Community Structure and Diversity Indices of *Lepidopteran* Moths Chalisgaon, Maharashtra, India

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Lepidopteran moths constitute an ecologically important insect group and are widely used as indicators of habitat quality and environmental change. This study documents the taxonomic composition and diversity of moths in the Chalisgaon region of Maharashtra, India, covering agricultural landscapes and adjoining forested areas. Field surveys conducted between July and December 2024 recorded 44 lepidopteran species belonging to 10 families and seven superfamilies, indicating a considerable taxonomic richness. Species diversity was assessed using standard biodiversity indices, namely the Shannon–Wiener index, Simpson’s dominance and diversity indices, and Pielou’s evenness index, based on species presence. The overall Shannon–Wiener diversity value ($H' = 3.784$) indicates high species diversity, whereas Simpson’s dominance index ($D = 0.000$) and Simpson’s diversity index ($1 - D = 1.000$) reflect a highly balanced community structure. Pielou’s evenness index ($J' = 1.000$) suggests a uniform distribution of species across the assemblage. At the superfamily level, Noctuoidea was the most species-rich group, followed by Pyraloidea and Geometroidea, with Erebidae emerging as the most diverse family. The observed diversity patterns were closely associated with vegetation heterogeneity, seasonal resource availability, and mixed land-use practices. The present study provides baseline data for future biodiversity monitoring and conservation planning in the agro-forest landscapes of northern Maharashtra.

Keywords: *Lepidoptera*; moth diversity; Shannon–Wiener index; Simpson’s index; evenness; agroecological landscape

Introduction

Lepidoptera, which includes moths and butterflies, is one of the most diverse and ecologically significant insect orders. Members of this order act as pollinators, herbivores, and prey in trophic webs and are often used as bioindicators of environmental change because they are highly sensitive to climatic changes, vegetation structure, and land-use changes (Gurule & Nikam, 2013). Lepidopteran communities are therefore commonly used to measure habitat quality, ecosystem stability, and anthropogenic interference. Lepidoptera have been widely documented in a wide range of ecosystems worldwide. The heterogeneous physiography and climatic setup of India support the presence of rich lepidopteran assemblages, and many studies have documented species diversity in forest ecosystems, conservation zones, urban regions, and other biodiversity hotspots, such as the Western Ghats (Sidhu, 2023). In Maharashtra, several reports have highlighted the significant lepidopteran diversity in forest reserves, wildlife parks, and the northern parts of the Western Ghats, and the role of habitat heterogeneity and seasonal vegetation cycles in moth assemblages has been highlighted. Lepidopteran diversity is not well documented in agroecological landscapes, especially in landscapes with mosaics of cultivated areas with semi-natural forest patches between them (Phadtare et al., 2024). These landscapes are ecologically important because they harbor both generalist and specialist taxa, and they face increased anthropogenic pressures due to agricultural intensification and land-use change (Sutar et al., 2025) (Hushare et al., 2025). In Maharashtra, where agricultural lands merge with wooded lands, such as the Patna Devi forest in Chalisgaon, studies on lepidopteran faunal composition are scarce.

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The lack of baseline faunal inventories of these mixed landscapes makes it difficult to understand community composition, diversity patterns, and how the ecological response to environmental change may have occurred.

Against this background, the major aims of the current study were to (i) record the taxonomic composition of lepidopteran moths in agricultural and forest areas of the Chalisgaon area, and (ii) measure their diversity at the family and superfamily levels using standard biodiversity indices. This study aims to provide a baseline for future ecological surveillance, biodiversity protection, and land-use impact evaluation in the agro-forest ecosystems in the northern part of Maharashtra by offering a detailed species checklist and quantitative measures of diversity.

Materials and methods

Study area : The research was performed in the Chalisgaon area of the Jalgaon district, Maharashtra, India. The region is a heterogeneous terrain that is mainly agricultural with semi-natural vegetation and patches of forest, such as the Patna Devi Forest. This mosaic habitat consists of a wide variety of larval host plants and adult nectar sources of lepidopteran species.

Field surveys : Field surveys have been conducted between July and December 2024 in the selected locations of agricultural regions and the Patna Devi forest. Existing artificial light sources were used to attract moths, and further nocturnal sampling was performed using Moth Week 2024 with a 60 W filament bulb and a white cotton sheet. Daytime observations were also performed opportunistically. All participants were photographed using a smartphone camera.

Species identification : Species were identified by comparing photographs with standard taxonomic literature and confirmed using online databases, such as Moths of India and iNaturalist. Nomenclature is in accordance with current taxonomic standards.

Diversity indices : Species diversity was quantified using the Shannon–Wiener diversity index (H'), Simpson’s dominance index (D), Simpson’s diversity index ($1 - D$), and Pielou’s evenness index (J'). All indices were calculated using the species presence data.

Results : The study area was found to have a total of forty-four Lepidopteran species, ten families, and seven superfamilies. The superfamily Noctuoidea was the most abundant in the assemblage, consisting of twenty-two species (a half of the total fauna), followed by Pyraloidea (nine species) and Geometroidea (five species). Erebidae (13 species), Crambidae (nine species), and Noctuidae (seven species) were the most species-rich families within the family.

Table 1 Overall Diversity Indices (All Species)

Parameter	Value
Total species (S)	44
Shannon–Wiener Index (H')	3.784
Simpson’s Dominance (D)	0.000
Simpson’s Diversity ($1 - D$)	1.000
Pielou’s Evenness (J')	1.000

A total of 44 lepidopteran species were recorded in the study area, with a Shannon-Wiener diversity index (H') of 3.784, Simpson dominance index (D) of 0.000, corresponding Simpson index of diversity ($1-D$) of 1.000, and Pielou's evenness index (J') of 1.000, indicating that the species were evenly distributed in the assemblage.

Table 2 Family-wise Diversity Indices

Family	No. of Species (S)	Shannon ($H' = \ln S$)	Simpson (D)	Simpson (1-D)	Evenness (J')
Sphingidae	3	1.099	0.000	1.000	1.000
Bombycidae	1	0.000	0.000	1.000	1.000
Gelechiidae	1	0.000	0.000	1.000	1.000
Geometridae	5	1.609	0.000	1.000	1.000
Erebidae	13	2.565	0.000	1.000	1.000
Nolidae	2	0.693	0.000	1.000	1.000
Noctuidae	7	1.946	0.000	1.000	1.000
Crambidae	9	2.197	0.000	1.000	1.000
Thyrididae	1	0.000	0.000	1.000	1.000
Limacodidae	2	0.693	0.000	1.000	1.000

Family wise diversity analysis revealed a significant difference in species richness and Shannon-Wiener diversity among Lepidopteran families. Erebidae had the greatest species richness ($S = 13$) and Shannon diversity ($H' = 2.565$), followed by Crambidae ($S = 9$; $H' = 2.197$) and Noctuidae ($S = 7$; $H' = 1.946$). There were five species in Geometridae and three in Sphingidae, with Shannon indices of 1.609 and 1.099, respectively. Nolidae and Limacodidae with two species each registered the same Shannon values ($H' = 0.693$). The single-species families Bombycidae,

Gelechiidae, and Thyrididae had a Shannon index of 0.000. The Simpson dominance index (D) was 0.000 for all families, and the Simpson diversity index (1-D) was always 1.000. The Pielou evenness index (J) also had a constant value of 1.000 of all families, which means that there was total evenness in the distribution of species within the families.

Figure 1 Family-wise species richness

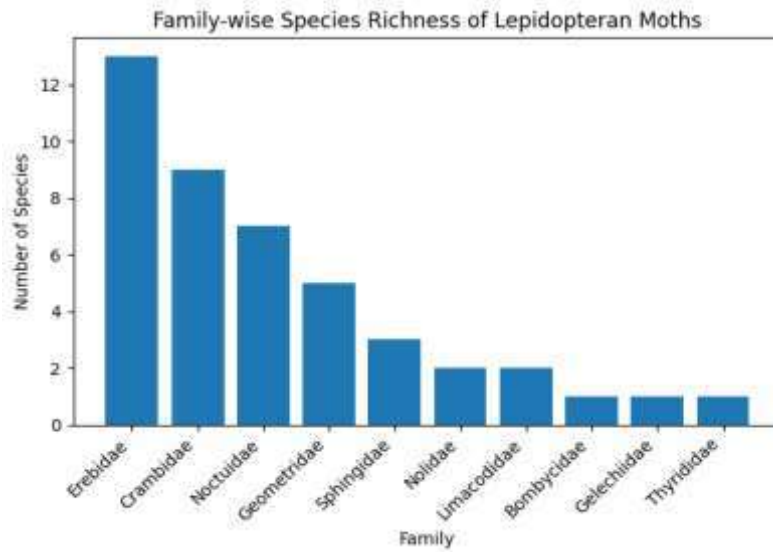


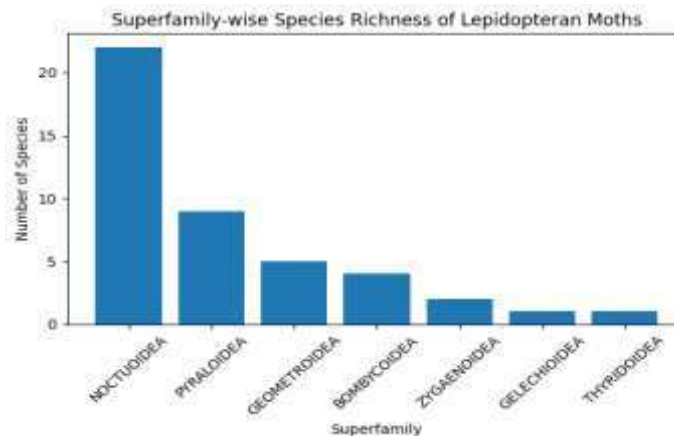
Table 3 Superfamily-wise Diversity Indices

Superfamily	No. of Species (S)	Shannon (H')	Simpson (D)	Simpson (1-D)	Evenness (J')
Bombycoidea	4	1.386	0.000	1.000	1.000
Gelechioidea	1	0.000	0.000	1.000	1.000
Geometroidea	5	1.609	0.000	1.000	1.000
Noctuoidea	22	3.091	0.000	1.000	1.000
Pyraloidea	9	2.197	0.000	1.000	1.000
Thyridoidea	1	0.000	0.000	1.000	1.000
Zygaenoidea	2	0.693	0.000	1.000	1.000

(Source: Calculated by Researchers)

Analysis of superfamily wise diversity showed a significant difference in species richness and Shannon-Wiener diversity among the recorded Lepidopteran superfamilies. The species richness of Noctuoidea (S = 22) and Shannon diversity (H' = 3.091) were the highest, followed by Pyraloidea (S = 9; H' = 2.197) and Geometroidea (S = 5; H' = 1.609). Bombycoidea (four species) had a Shannon index of 1.386, and Zygaenoidea (two species) had a lower Shannon index (H' = 0.693). Superfamilies represented by one species, that is, Gelechioidea and Thyridoidea, had a Shannon index of 0.000. In all superfamilies, the Simpson dominance index (D) was always equal to 0.000, and the Simpson diversity index (1-D) was equal to the maximum possible value of 1.000. The Pielou evenness index (J) was equal to 1.000 in all superfamilies, which means that there was an even distribution of species in each superfamily.

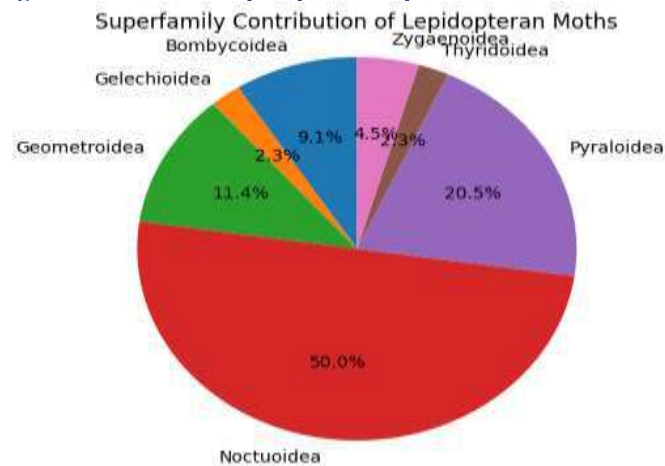
Figure 2 Superfamily-wise species richness



Discussion

The Lepidopteran diversity trends found in the study area have direct links to seasonal climatic factors, vegetation structure, and existing land-use practices in the area. Lepidoptera are extremely sensitive to seasonal changes in temperature, humidity, and rainfall, and these factors directly affect the emergence of adults, survival of larvae, and host plant phenology (Gurule & Nikam, 2013). The general uniformity and great variety observed in the current study suggest that sampling was conducted at optimum seasonal times, probably after the monsoon or early winter season when vegetation growth, availability of nectar, and larval food are most active. These seasons usually support overlapping generations of moths, hence increasing species richness and detection. Vegetation heterogeneity is a key factor in lepidopteran assemblage organization. The existence of a variety of families, such as Erebiidae, Noctuidae, and Crambidae, are indicators of mixed vegetation cover, which includes natural shrubs, grasses, trees, and farm crops (Padhye et al., 2006). Polyphagous species in these families can use a broad range of larval host plants, making them more suitable for habitat changes. The high frequency of Geometridae and Sphingidae, typically found in woody vegetation and structurally complicated habitats (Singh, 2023), is another indication of the presence of tree cover, hedges, and semi-natural environments in the landscape. In contrast, families comprising fewer species are presumably associated with taxa that have specialized host and microhabitat preferences.

Figure 3 Percentage contribution of lepidopteran super families recorded from the study area.



It seems that the assemblage taxonomic composition is highly affected by land-use patterns. Noctuoidea and Pyraloidea predominance is characteristic of landscapes dominated by agricultural areas, fallows, and areas modified by humans, as most of the species belonging to these superfamilies are common in crop ecosystems and disturbed habitats (Baral et al., 2025). The presence of various known agricultural pest species highlights the importance of croplands as resource patches that are useful, particularly during the active growing season. Simultaneously, the lack of strong dominance and equal high abundance values indicate that the land-use intensity is not yet significant enough to support disturbance-tolerant species over the total diversity (Jena et al., 2025).

Conclusion

The current research provides the first comprehensive assessment of lepidopteran moth diversity in the agro-forest cover of the Chalisgaon area, Maharashtra. The strong species richness, homeostatic assemblage dynamics, and comprehensive coverage of a wide range of superfamilies enhance the ecological significance of this composite habitat. The background data obtained in this study will be helpful in sustainable biodiversity monitoring, conservation design, and evaluation of the anthropogenic land-use implications on insect communities of northern Maharashtra.

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Original Article

Cultural, Heritage & Archaeological Tourism: Performative Ontology and the Politics of Re-membering

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*This paper advances a theoretical reconceptualization of Cultural, Heritage, and Archaeological Tourism (CHAT) beyond its conventional framing as an instrument for economic development or cultural revival. It posits CHAT as a critical site of **performative ontology**, where identities are not merely expressed but actively constituted through embodied practices of gazing, narrating, and moving within curated spatio-temporal frames. Drawing from post-structural critiques of the Authorized Heritage Discourse (AHD), phenomenological theories of place, and the politics of memory, this analysis interrogates how CHAT functions as a dialectical arena. It is simultaneously a technology for the reification of dominant historical narratives and a potential heterotopia where subaltern counter-narratives can emerge. The central argument contends that CHAT's capacity for fostering "identity and revival" hinges on its transition from a **representational economy** (tourism about a static past) to a **performative engagement** (tourism as a dynamic process of 're-membering'—piecing together a contested collective body). Through an examination of the politics of curation, the phenomenology of authenticity, and the ethical aporias of staging trauma, this paper concludes that meaningful revival is an agonistic, never-complete project of becoming, best facilitated by CHAT models that embrace polyvocality, reflexive encounter, and ontological vulnerability.*

Keywords: Performative Ontology, Authorized Heritage Discourse (AHD), Heterotopia, Phenomenology, Politics of Memory, Re-membering, Agonistic Heritage, Subaltern Agency.

Introduction: From Instrument to Arena

The post-2000 discourse surrounding Cultural, Heritage, and Archaeological Tourism has largely been captured by a utilitarian paradigm, evaluating its success through metrics of visitor numbers, revenue generation, and infrastructural development. While acknowledging these dimensions, this paper proposes a fundamental shift in perspective: to apprehend CHAT not as a mere instrument for predefined ends, but as a complex arena where the very categories of identity, history, and community are negotiated, contested, and re-imagined. This arena is structured by what Laurajane Smith (2006) terms the **Authorized Heritage Discourse (AHD)**, a regulatory regime that privileges materiality, monumentality, and expert knowledge, often sidelining intangible practices and community-based epistemologies. Yet, within the interstices of this dominant discourse, the tourist encounter—as a liminal, cross-cultural event—creates potential for disruption and re-signification. This paper is structured to unpack this complexity. First, it establishes a **theoretical scaffold** integrating critical heritage studies, spatial theory, and phenomenology. Second, it analyzes the dialectics of identity formation, exploring how CHAT can both ossify and liberate notions of the self and collective. Third, it examines **specific modalities** of archaeological and heritage tourism as forms of "archaeology of the present." Finally, it proposes an **ethical framework** grounded in concepts of agonistic pluralism and ontological vulnerability, arguing for a model of CHAT that fosters a critical, reflexive, and inclusive process of "re-membering."



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Third, it examines **specific modalities** of archaeological and heritage tourism as forms of “archaeology of the present.” Finally, it proposes an **ethical framework** grounded in concepts of agonistic pluralism and ontological vulnerability, arguing for a model of CHAT that fosters a critical, reflexive, and inclusive process of “re-membering.”

Theoretical Scaffold: Deconstructing the Tourist Encounter

To deepen our understanding, CHAT must be situated at the intersection of three robust theoretical trajectories.

2.1 The Critical Turn: Heritage as Discourse and Power. Following Foucault (1986), heritage sites can be understood as **heterotopias**—real places that function as “counter-sites,” simultaneously representing, contesting, and inverting all other conventional cultural spaces. They are palimpsests where time accumulates and collapses. The AHD (Smith, 2006) governs these spaces, determining what is worthy of preservation, how it is narrated, and who is authorized to speak. CHAT is thus a primary mechanism for the dissemination and naturalization of this discourse. However, following Bhabha (1994), the “third space” of enunciation in the tourist encounter can become a site of hybridity, where fixed meanings are unsettled, creating openings for what Spivak (1988) might cautiously frame as a strategic performance of the subaltern.

2.2 The Phenomenological Turn: Embodiment and Dwelling. Challenging the ocularcentrism of Urry’s (1990) “tourist gaze,” scholars like Crouch (2000) and Ingold (2000) propose a **dwelling perspective**. Here, meaning and identity are not pre-formed and then viewed; they are generated through embodied practice. The tactile climb up a temple step, the somatic resonance of a ritual performance, or the kinaesthetic navigation of a ruin constitute a **taskscape**—a landscape of intertwined, embodied activities. “Revival,” from this view, is less about cognitive recall and more about the re-attunement of the bodily hexis to historical patterns of movement and sensory engagement, a re-inhabitation of place.

2.3 The Temporal Turn: The Politics of Memory. CHAT is an engagement with temporality, transforming sites into what Nora (1989) calls **lieux de mémoire** (sites of memory). These are deliberately constructed substitutes for lived *milieux de mémoire* (real environments of memory), serving as anchors in an increasingly amnesiac present. The tourist is invited to step into a curated past, but this past is always a narrative shaped by present-day politics, what Trouillot (1995) identifies as the exercise of “**historical power**”—the power to make silences, to selectively recall. Thus, CHAT is inherently a practice of **memory politics**.

The Dialectics of Identity: Reification vs. Agonistic Becoming

The pursuit of identity through CHAT is a dialectical struggle between forces of fixation and fluidity.

3.1 Reification and the Spectacle. The tourist industry often packages identity as a consumable spectacle, following Debord’s (1967) society of the spectacle and MacCannell’s (1973) “**staged authenticity**.” Complex histories are simplified into digestible narratives; living cultures are framed as timeless “traditions” (Hobsbawm & Ranger, 1983). This commodification can reify identity, freezing it into a marketable brand that serves external expectations rather than internal dynamism. It risks producing what Baudrillard (1994) termed **simulacra**—copies without an original, where the tourist experience references only other tourist experiences.

3.2 Agonistic Re-membering and Counter-Narratives. In opposition, CHAT can facilitate **agonistic democratic spaces** (Mouffe, 2013). Sites of “difficult heritage” (Logan & Reeves, 2009)—such as former concentration camps, slave forts, or sites of political violence—force an engagement with dissonant history. Here, identity is not found but forged in the crucible of contentious memory. The process is one of **re-membering**: an active, often painful piecing together of a dismembered past (Morrison, 1987). This is not a return to an idealized origin but a Deleuzian (1994) “**becoming**,” a processual identity perpetually under construction through engagement with its own fragments and contradictions. Tourists become witnesses, ethically implicated in this process of narrative struggle.

Archaeological Tourism as the Metaphor Made Literal

Archaeological sites provide a potent literalization of these theoretical concerns. The act of visiting becomes an **archaeology of the present**.

4.1 Stratigraphy and Silencing.

The visible ruins represent the final act of a long process of excavation and interpretation. Each stratum revealed—and each one left unexcavated or unmarked—is a curatorial decision. Whose pottery is displayed? Whose dwelling foundations are highlighted? Whose burial sites are sanctified, and whose are paved over for a parking lot? The site’s presentation is the topmost stratum, a text that speaks as much to contemporary power dynamics as to ancient history.

4.2 Hauntology and the Uncanny.

Derrida’s (1994) concept of **hauntology** is profoundly relevant. Heritage sites are haunted by the specters of those absent from the official narrative: the enslaved laborers who built the monument, the marginalized communities displaced by its preservation, the untold stories of everyday life. The affective experience of a site may stem less from its factual historicity and more from this **uncanny** (Freud, 1919) presence of the unresolved past, a melancholic sense of being in the presence of ghosts that demand acknowledgment.

Towards an Ethics of Ontological Vulnerability: A Framework for CHAT

For CHAT to transcend its commodifying tendencies and enable a genuine, ethical revival, it must be guided by a new ethical framework centered on **ontological vulnerability**—the willingness to have one’s understanding of self, history, and place unsettled.



This framework demands:

1. **Polyvocality over Singular Narrative:** Curatorial practices must intentionally incorporate multiple, even conflicting, perspectives—Indigenous knowledge, local folklore, academic archaeology, dissenting historical accounts—creating a **contact zone** (Pratt, 1991) of narrative contestation.
2. **Reflexivity and Positionality:** All actors (planners, guides, community members, tourists) must be encouraged to critically reflect on their own position within the heritage performance. Why am I here? What do I expect to see? What is my relationship to this history?
3. **Embracing the Agonistic:** Moving beyond a sanitized, consensual past to acknowledge heritage as a site of enduring conflict and trauma. This involves creating spaces for discomfort and difficult dialogue, not just passive consumption.
4. **Community as Co-Producers, Not Informants:** Shifting from tokenistic consultation to models of co-management and intellectual co-production, where communities have substantive authority over narratives, economic benefits, and site management (following the **ICCMOS Principles**).

Conclusion:

CHAT as an Unfinished Project of Becoming

This paper has argued that the profound potential of Cultural, Heritage, and Archaeological Tourism lies not in its capacity to provide definitive answers about who we are, but in its power to render that question perpetually, productively **open**. CHAT, at its best, is not a journey to a finished past but a participation in an unfinished project of collective becoming. It is an ontological practice where, through the performative act of visiting, narrating, and feeling, we engage in the continuous, agonistic, and necessary work of “re-membering”—of piecing together our fragmented histories into a livable, ethical, and dynamic present. The future of CHAT for identity and revival, therefore, depends on our courage to forsake the security of monolithic tales for the vulnerable, demanding, and ultimately more human practice of engaging with the multivocal, haunted, and wondrously complex tapestry of the past.

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Original Article

Vision of Nation Viksit Bharat 2047: Opportunities and Challenges

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The aerm develop is analyzing in terms of Qualitative and Quantitative outcomes when we talking about development of Nation that is excessive level development, technological advancement, social welfare and standard of living but in developing sense we doing our efforts to become greater but the journey from developing to develop take more timing and hardcore steps to achieved each goal in different sectors of the economy. We study past history and what are the measures set by previous one and present. And what are the reasons and hurdles are create in the process. Government preferences, policy making and implementation, social welfare, targeted sectors, industrialization and employment creation, research and development, migration and households shelters. So, it is necessary to analyzing each and Every factor. Requires a clear structure, evidence-based analysis and future oriented thinking insights. In this study we analyzing india's vision of becoming a fully developed nation by the 100th year of independence. Focus area's - economic growth, infrastructure development, education and skills, healthcare, technological advancement, sustainability and social equality, global leadership. India, the world's largest democracy, will complete 100 years of independence in 2047. As the nations stands at the crossroads of rapid transformation, the vision of 'Viksit Bharat 2047' serves as a guiding light to achieve inclusive, sustainable and even-handed development.

Introduction:

Now a days it is truly accept that child is a heart of nation and so social development is important for the growth of children like including. So, in childhood education & health is very important factor for their physical, mental, social, cognitive development but we shown very differ in those factors. Now a days maximum society not meet benefits related to education & health services also those factors are affecting their growth & development.

Kids are truly the heart of a nation's future, and supporting their overall development is so important for progress in society. These inequalities can slow down the all-around development of children, making it harder for them to make meaningful contributions to society. Tackling these issues needs a mix of strategies, including policy reforms, community involvement, and specific interventions. This report digs into how education and health are linked in child development. It looks at the strategies we have in place, points out ongoing challenges, and suggests practical solutions to create an environment that helps nurture well- rounded, healthy, and educated individuals. As we know, we have 75 years to get independence from britisers but still we count as a developing nation. At that time chine and india stands same place in 1990 -2000 but China become world second largest economy and manufacturing hub of the world. Many countries move forward while utilization their available resources so, it time to thing big for becoming world develop and successful economy in the world. But when we thought to become india develop what sectors needs to accelerated and boost more.



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As we know, India is the fourth largest economy in the world but at present time India's total GDP is approx \$3.9 trillion dollars. But China's economy is 18.1 trillion dollars. India requires growing at least 7.8% for upcoming 22 years. And we also pay attention on each sector of the economy whether they are primary, secondary, and tertiary sector. In primary sector, we count nature-based activities like agriculture, animal husbandry, fisheries and floriculture etc. Agriculture sector contributes to Indian GDP is approx 17% but total labour engaged in this sector is 56% of the total labour, India required to focus on productivity and introduce new technology to reduce labour efforts and move this labour to manufacturing sector by giving skill training in their particular fields. India's Viksit Bharat @2047 initiative positions improved healthcare access and quality as a cornerstone for national development. Despite substantial progress in health coverage, challenges remain in achieving consistent quality and inclusivity across regions, particularly in rural and underserved populations.

Objectives:

The main objectives of this study are to review and identify the vision of the Viksit Bharat 2047. On this basis there are some objectives set

- a. To analyze the vision of Viksit Bharat 2047 as proposed by the government of India.
- b. To identify and examine the critical sectors.
- c. To find out of Indian economy.
- d. To study of health status.
- e. To finding educational status.
- f. To find out opportunities & challenges.

Methodology

Using primary & secondary data this study uses a mixed methods research design, combining both qualitative and quantitative approaches to comprehensively analyze the vision, challenges and progress of Viksit Bharat 2047.

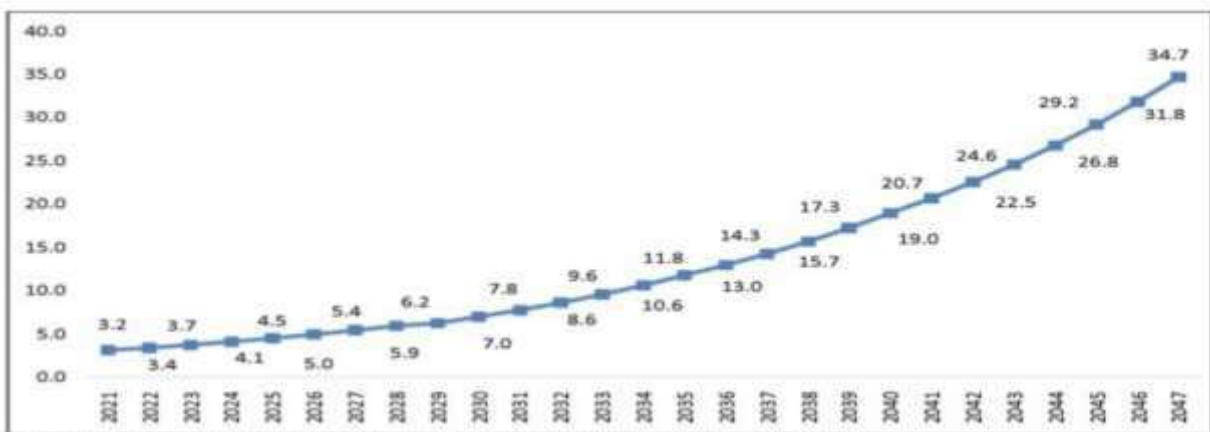
Analysis : The data collected from various secondary sources analyzed to evaluate India's current status and its attentiveness to become a developed nation by 2047 under the Viksit Bharat Vision.

The following areas were evaluated.

- Economic growth trends
- Human development index
- Education and Skill Development
- Health Care

Present Status are shown of Indian Economy and Vision Towards Viksit Bharat

Sectors	Current status	2047 vision	Gap analysis
Economy	\$ 3.9 trillion dollars	\$ 30 trillion dollars	High growth needed in key sectors
Education	77.7% literacy	Universal , NEP driven education	Rural and urban disparity persists
Healthcare	2.1% GDP spending	Universal , tech enabled healthcare	Underfunded needs public investment
Infrastructure	Rapid development	Global class infrastructure	Funded and execution speed
Digital India	Strong DPI	100% digital access and participation	Rural coverage
Sustainability	Work in progress	Green , inclusive development	Industrial and urban impact concerns



Source: PHD Research Bureau; projections for the years 2030, 2040 and 2047 are by PHDCCI

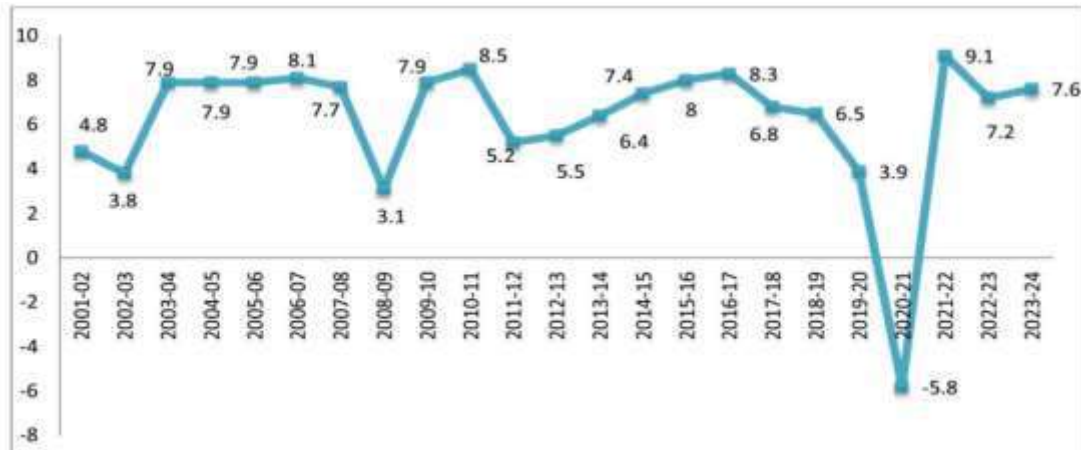
Size of the Indian economy (USD Trillion)

- Infrastructure Development
- Digital and Technological Advancements

• Environment Sustainability.

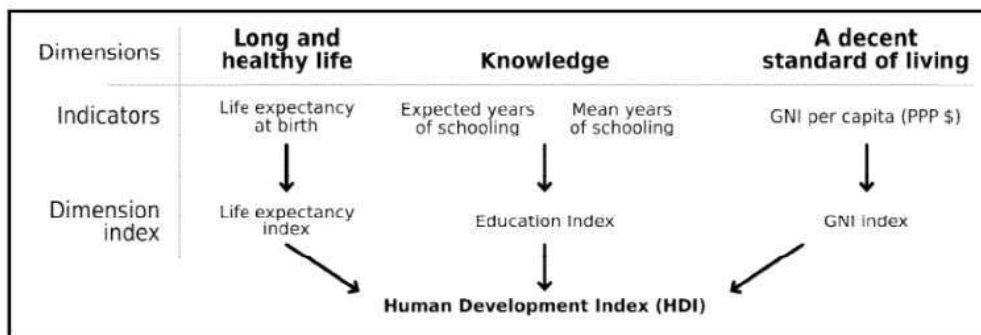
Economic Growth Trends - GDP growth rate (2023 - 2025 Average): 6.5% annually. Target for 2047: to become a \$ 30 trillion economy.

India has maintained strong economic growth In spite of global slowdowns. However, sustained reforms n manufacturing, exports and ease of doing business are needed to speed up progress toward the \$30 trillion goals.

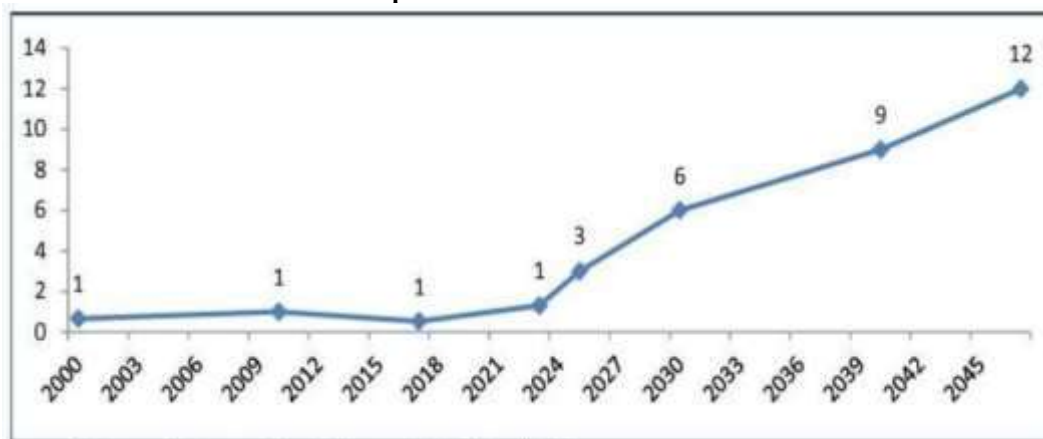


Source: PHD Research Bureau, Compiled from Reserve Bank of India

Growth Rate of India from 2001-02 to 2023-24



Human Development Index Parameters and Indicators



Source: PHD Research Bureau projections for the years 2030, 2040 and 2047

Hospital beds (per 1000 people) in India

1. Human Development Index - Current HDI rank (2024): 134 out of 191 (UNDP) important issues: Low per capita income, gender inequality, and quality of education, health. While improvements is necessary, india needs major investments in social sectors to catch up with developed nations.



2. Education and Skill Development – Literacy rate 77.7% (2011 Census) target by 2047: Nearly universal literacy with skill based education under NEP 2020. The compress of the national education policy 2020 is promising, but disparities between urban and challenge.

3. Healthcare - Current healthcare spending: 2.1% of GDP (2024) target: Universal healthcare access by 2047. Increased investment in primary healthcare, digital health initiatives (Ayushman Bharat Digital Mission) and R infrastructure are significant for health fairness.

4. Infrastructure Development – Important Projects: PM Gati Shakti, Smart Cities Mission, Bharatmala, Sagarmala. Current Ranking: India Ranks 47th in the Global Infrastructure Index (2024). Major Infrastructure Push Has Improved Logistics And Connectivity. Continued Funding and Sustainable Practices Are Required To Reach Developed Country Standards.

5. Digital and Technological Advancements - Internet Penetration (2024): 55% (Urban Higher Than Rural) Digital Public Infrastructure: UPI, Aadhar, Cowin Etc. India Is A Global Leader In DPI, But The Digital Divide Between Rural And Urban Areas Remains A Concern.

6. Environment Sustainability - Target: Net Zero Emissions by 2070 Current Efforts: Solar Mission, EV Push, Green Hydrogen. Environment Goals Are Ambitious and Aligned with Global Standards. The Challenge Lies in Balancing Development with Sustainability.

Important Pillars and Opportunity Areas

(i) Innovation and Technology - Research and development startups. The government is allocating a 1 lakh crore fund to drive private sector R & D commercialization, along with PM research fellowship and AI centers of brilliance in sectors like agriculture, healthcare and sustainable cities. Atal Innovation Mission: Now audacity 10,000 atal tinkering labs and 72 atal incubation centers, aim supports startups in areas including health tech, fintech and tourism.

(ii) Infrastructure and Connectivity - Massive Capital Expenditure Push: 11.11 lakh crore allocated n FY 2025 to build roads, logistics corridors and urban infrastructure. Transport modernization: Re-development of 1275 railways stations expanded rural road network and tourism corridor development.

(iii) Clean Energy and Sustainability - Solar and Green Projects: India's solar capacity has surged to around 80gw; large scale programs like rooftop solar aim to cover one crore households. Innovation in clean energy: programs like green hydrogen and battery storage missions are preparing the ground for Aa sustainable future energy. Mission Life: Promotes sustainable lifestyles and integrates sustainability across sectors like agriculture, energy, and waste management.

(iv) Agriculture and Rural Development - In Modern Farming Techniques: Implementation of integrated farming systems, micro- irrigation and Digital Technology using for to Increased Productivity and Farmers Income. Farmer Empowerment: Natural Farming Drive, Bio-Input Centers, and Digitized Support Schemes Bolster Rural Flexibility and Self - Reliance.

(v) Skilling, Education and Youth Engagement - Skill India Development: 3000 Crore Allocated to Upgrade 1,000 ITI, with Significant increases Tto Skill India Programs Like PMKVY. Youth Body - Mera Yuva Bharat: Launched in 2023, this Platform has Mobilized over 1.58 Crore Young People, Acting as a Joint Force Toward the Vision. Education Infrastructure:

(vi) Jobs and Employment - Pm Viksit Bharat Rozgar Yojana (PMVBRY): Announced on August 15, 2025 with 99,446 Crore Aimed at Job Creation through Incentives for both Employers and Employees. Prime Minister's Rozgar Scheme: Offers 15000 per month to Youth Entering Private Sectors Jobs, and Incentives to Companies Hiring New Genius.

(vii) State Level and Regional Gains - Uttar Pradesh Vision 2047: Plans a \$6 Trillion Economy with 26 Lakh per Capita Income; Sectors Include Tourism, Health, Infrastructure and Technology. Tourism Boosts - Like Development Of Kashi Vishwanath And Ayodhya City - Have Determined Jobs in Hospitality and Transport. Health Transformation under Ayushman Bharat, EKyc, Telehealth, and Labs as Part of State - Level Strategy. Assam and Northeast are Emerging as Industrial and Logistics Hubs, Tapping into Viksit Bharat Vision with Investments and Connectivity Plans.

How to Engage and Benefit for Different Sectors

- Entrepreneurs and Startups: Explore Aim Incubation, Apply For R & D Grants, Participate in Youth Initiatives.
- Students & Youths: Join Mera Yuva Bharat, Engage with Skilling Programs, Apply for Internship or Fellowship Opportunities.
- Professionals: Look Out for Employment Schemes (PMVBRY , Rojgar Plans) and Corporate Incentives.
- Farmers & Rural Innovators: Leverage Integrated Farming Practices, Green Energy Opportunities, and Government Schemes.
- State and Local Governments: Align Local Development Plans with Vision 2047 and Access Central Investment Funds.

In Essence, Viksit Bharat Mission 2047 is not just a Distant Dream - It's Unfolding across Sectors Right now. Inform Yourself, Stay ahead of the Curve, and Find Ways to Be A Part Of India's Developmental Journey.



Challenges of Viksit Bharat 2047

a) **Economic Challenges** - To Maintained Sustainable High Growth, Employment Generation, Income Equality, Agriculture Modernization.

b) **Infrastructure and Urbanization** - Infrastructure Deficit, to reducing of Rural and Urban Gap, Highways and Local Roads Connectivity, Builds Corridors and Organization Mega City.

c) **Social and Demographic Challenges** – To Providing Quality Education and Technical Skills, Healthcare Access, Population Dynamics, Gender Equality and Increasing Women Participation through benefits and reservation.

d) **Environment and Resources Challenges** - Focus on Climatic Changes, Water Scarcity, Pollution and Damage of Environment.

e) **Governance and Institutional Challenges** - Policy Continuity, Corruption, Maintain Law and Order, Tight Internal and Border Security and Take strict actions on Insurgency, Increase Local Governance Participation.

f) **Global Geopolitical and Economic Factors**- Trade Disruption, Take initiatives to resolves Geopolitical Tensions, Technological Competition and Transfers of technology.

Review of Literature

• Jayaprada Sahoo and Dr. Suresh Vadranam (2024) in this Article, Discuss about Viksit Bharat @2047 Transformation of Society and they tell about future vision and accomplishments. Government Authorities Plays Important Role for Policy Making and their Implementation and they also discuss Economic Growth, Social Progress, Environment Sustainability and Good Governance. Good Education System Resolves many Problems and Challenges who are Hurdles for becoming Develop Nations. Indian Education system mainly Focus on Research and Innovations. So, it can be Better for Future Goals. Ph.D Chamber of Commerce And Industry (2024) In this Article, they discuss about Indian Economy Growth Rate in Past Decades and Expected Size of the Economy. And History of Per Capita Income, Sectoral Value added in India GDP. And also talk about Factor who helps to becoming Manufacturing Hub. India also Needs to Improve Ease of doing Business Norms and Indicators. Startup Ecosystem, Infrastructure Development Perspectives Research and Development Activities, Dynamics of Exports Education, Skill and Employment Creation they All Factors Helps Ocurace Growth of the Economy.

Conclusion

The Existing Study Collectively suggests that India has a Clear Vision for Becoming a Develop Nation by 2047, but Achieving this Vision Requires, Multi-Sectoral Coordination, Strong Governance, Citizens Participation Sustainable and Inclusive Growth Models. While the Past Forward is Determined, the Foundation Laid. Through Policies and Programs Offers a Credible Direction Toward the Achievement of Viksit Bharat.

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Original Article

The Idea of Developed India in Contemporary Indian English Writing

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Abstract

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This research paper studies the idea of a Developed India in contemporary Indian Writing in English. In the Indian context, development does not mean only money or growth. It also means equality, social justice, education, dignity, and human values. The study shows how Indian writers present both the benefits and problems of development. Through their stories, they talk about poverty, caste, gender issues, urban growth, education, and environment. Writers question development that helps only a few and ignores common people. The paper also explains how literature imagines India's future as fair, inclusive, and humane. The study is based on close reading of selected texts and critical analysis.

Key words: Indian English writing, Developed India, Inclusive society, Social justice, Future of Nation, Human Values.

Introduction:

The idea of a Developed India has become an important part of national thinking in the twenty-first century. In the Indian context, development does not mean only economic growth or increase in income. It also includes social justice, equality, education, health, cultural harmony, and moral values. India is a diverse country with deep social inequalities, so development must address both material progress and human welfare. A developed India, therefore, is one where growth reaches all sections of society and where dignity and opportunity are available to every citizen.

Indian thinkers have often argued that development should be rooted in Indian realities and values. Scholars like Amartya Sen stress that development is about expanding human freedom, not just building infrastructure. In India, this idea becomes more meaningful because poverty, caste discrimination, gender inequality, and regional imbalance still exist. Thus, the meaning of Developed India in the Indian context is inclusive, ethical, and people-centred rather than purely economic.

Meaning of "Developed India" in the Indian Context:

In India, development has always been linked with social responsibility and moral duty. Traditional Indian thought views progress as a balance between material needs and ethical living. The idea of lokasangraha (welfare of all) from Indian philosophy supports this view. A developed India must ensure education, employment, social security, and justice while maintaining harmony among different communities. Mere economic indicators cannot fully represent development in a country like India.

Modern Indian policy discussions also reflect this broader meaning of development. Government visions like Viksit Bharat@2047 emphasize inclusive growth, sustainability, and citizen participation. Scholars argue that India's development model must combine modern science and technology with cultural wisdom. Therefore, the Indian idea of development is not borrowed blindly from the West but shaped by historical experience, social needs, and ethical concerns.



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Relevance of Development in Contemporary Times:

In the contemporary world, development has become more complex due to globalization, technological change, and environmental challenges. For India, development is especially relevant because it is a young nation with a large population depending on education and employment opportunities. Rapid urbanization, digital expansion, and economic reforms have created new possibilities, but they have also deepened inequalities. Hence, development today must respond to both growth and social imbalance.

Contemporary times also demand sustainable and humane development. Climate change, environmental degradation, and social unrest show that unchecked growth can be harmful. Indian scholars and planners now stress sustainable development that protects nature and human values. In this context, the relevance of development lies in creating a future that is economically strong, socially fair, and environmentally safe. Development must improve the quality of life, not just the speed of growth.

Role of Literature in Reflecting National Ideas:

Literature has always played a powerful role in shaping and reflecting national ideas. Indian Writing in English, especially after Independence, has responded to questions of identity, nationhood, and development. Writers use fiction, poetry, and essays to examine how development affects ordinary people. Literature captures voices that policy documents often ignore, such as the poor, women, migrants, and marginalized groups.

Contemporary Indian writers critically engage with the idea of a developed nation. Through stories and novels, they show both the hopes and failures of development. Writers like Arundhati Roy and Amitav Ghosh question blind modernization and highlight social and environmental costs. Thus, literature does not simply praise development; it examines its impact on human lives and moral values, making it an important source for understanding national ideas.

Scope of Indian Writing in English:

Indian Writing in English has a wide scope because it deals with social, political, cultural, and economic realities of India. It provides space for diverse voices from different regions and communities. Contemporary writers address issues like globalization, urban life, inequality, migration, and environmental crisis. Therefore, this body of literature is suitable for studying the idea of Developed India from multiple perspectives.

The scope of this study is limited to selected contemporary Indian English texts that engage with themes of development and nationhood. It focuses on how writers imagine India's progress, question dominant models of development, and suggest alternative visions rooted in human values.

Objectives of the Study:

To examine the idea of Developed India as reflected in contemporary Indian Writing in English.

To analyze how literature critiques and supports different models of development.

To understand the relationship between national development and human values in literary texts.

Methodology of the Study:

The study used a qualitative and analytical method. Selected literary texts were closely read and interpreted. Critical ideas from books, journals, and essays were used to support the analysis.

Contemporary Indian Writing in English: An Overview

Indian Writing in English developed strongly after Independence because writers felt the need to speak about a newly free nation. Early writers focused on identity, freedom, and nation-building, while later writers moved towards social realities and everyday struggles. The English language became a medium to reach both Indian and global readers. Writers such as R.K. Narayan and Mulk Raj Anand showed ordinary Indian life, while later authors addressed complex realities of modern India.

In contemporary Indian English literature, themes have expanded widely. Writers now discuss urbanization, migration, globalization, corruption, inequality, and environmental damage. Literature reflects how India is changing socially and politically. Through novels and essays, writers capture the tension between progress and suffering. Literature thus becomes a mirror that shows both growth and its hidden costs. It records voices that are often ignored in official narratives of development

Representation of Developed India in Contemporary Texts

Contemporary Indian Writing in English presents the idea of Developed India as a layered and unfinished reality, not as a simple success story. Writers reflect the visible signs of development such as expanding cities, new economic opportunities, global connectivity, and technological growth. At the same time, they question whether these changes truly improve life for all citizens. Literature does not deny development, but it critically examines its nature, direction, and impact on society. Through fiction and non-fiction, writers show that development is uneven and often benefits a limited section of society.

Economic growth and urban transformation occupy a central place in contemporary texts. Cities are shown as symbols of aspiration, employment, and modern identity. However, writers also expose the inequalities hidden behind urban growth. In *The White Tiger*, Aravind Adiga shows how economic development creates new millionaires while millions remain trapped in poverty and exploitation. Similarly, Rohinton Mistry's *A Fine Balance* presents urban development alongside displacement, unemployment, and insecurity faced by the poor. These texts suggest that development focused only on markets and profit fails to address human suffering.



Education, technology, and modernization are often portrayed as tools of progress, but writers adopt a questioning tone. Education appears as a path to empowerment, yet access remains unequal. In novels by writers like Jhumpa Lahiri, education and professional success offer mobility but also lead to cultural alienation and emotional dislocation. Technology and globalization connect India to the world, but literature shows that digital and economic progresses often widen social gaps. Development, therefore, appears selective rather than inclusive.

Another important aspect is the tension between tradition and modernity. Contemporary texts frequently depict individuals caught between inherited cultural values and modern lifestyles. Arundhati Roy's *The God of Small Things* highlights how rapid social change disrupts traditional structures without ensuring justice or equality. Writers suggest that development should not erase cultural memory or social ethics. Instead, they argue for a model of progress that respects tradition while allowing meaningful change.

Overall, contemporary Indian English literature represents Developed India as a contested idea, not a completed goal. Writers act as social critics who question narrow definitions of development based only on wealth, urban growth, or technology. Literature highlights the need for development that includes social justice, human dignity, and moral responsibility. By exposing contradictions and silences in the development narrative, contemporary texts contribute to a deeper and more humane understanding of India's future.

Social Justice and Inclusive Development in Literature:

Social justice has remained a central concern of Indian English literature because Indian society itself is shaped by inequality related to caste, class, gender, and access to resources. Many Indian writers have used literature as a tool to expose social injustice rather than merely describe development. Mulk Raj Anand's novels such as *Untouchable* and *Coolie* clearly focus on the lives of the oppressed and marginalized, especially Dalits and the working poor. His writing does not romanticize suffering; instead, it shows how social structures deny dignity and opportunity to large sections of society. Through realistic portrayal, Anand questions whether a nation can call itself developed when basic human dignity is denied to many. His literature reflects inclusive development as a moral demand, not a charity-driven idea.

Caste-based injustice and exclusion are powerfully addressed in Indian literature, making social justice a lived experience rather than an abstract idea. Writers like Bama, in *Karukku*, present Dalit life from within the community, exposing everyday discrimination in education, religion, and employment. This kind of writing shifts the focus from sympathy to resistance and self-respect. Similarly, Arundhati Roy's *The God of Small Things* critically exposes how caste and social hierarchy continue to control personal freedom even in a modernizing society. These texts question the idea of development that ignores deep-rooted social inequalities. They argue that without social equality, economic or technological growth remains hollow and incomplete.

Gender justice is another major area where Indian writers contribute to inclusive development through literature. Writers such as Mahasweta Devi highlight the double marginalization faced by tribal and rural women. In stories like *Draupadi*, *Devi* exposes how state power, development projects, and patriarchy together silence women's voices. Her literature directly challenges development models that exploit land and people in the name of progress. Similarly, Anita Desai and Shashi Deshpande focus on women's inner struggles within family and society, showing that social inclusion is not only about policy but also about changing attitudes and power relations. These writers emphasize that development must include emotional freedom, self-expression, and dignity for women.

Indian English literature also acts as a critique of uneven development and false promises of progress. Rohinton Mistry's *A Fine Balance* shows how political decisions, urban planning, and economic reforms often destroy the lives of the poor instead of improving them. His portrayal of slum dwellers, migrants, and informal workers reveals how development excludes those without power or voice. Literature here becomes a space to question state policies and social priorities. Through such narratives, writers argue that inclusive development must involve participation, justice, and protection of the vulnerable. Thus, Indian literature does not simply support development; it evaluates it ethically, reminding readers that true national progress is impossible without social justice.

Writers' Vision of India's Future

Contemporary Indian Writing in English presents a future-oriented vision of India that is marked by both hope and anxiety. Indian writers do not imagine the nation's future as a smooth path of progress; instead, they reflect a cautious optimism shaped by social realities. Authors like R. K. Narayan and later writers such as Amitav Ghosh show that development must remain rooted in human values. Through ordinary characters and realistic settings, literature suggests that India's future depends not only on economic growth but also on ethical and social balance. This vision avoids blind celebration and instead promotes thoughtful progress.

Hope is a recurring element in Indian literary narratives, especially through characters who strive for dignity, education, and self-improvement. In novels like *The White Tiger* by Aravind Adiga, the protagonist's ambition reflects India's changing economic landscape. However, the novel also exposes the dark cost of unchecked competition and moral compromise. This dual vision shows that writers imagine a future full of opportunities, but they also warn against development that creates sharp inequalities. Hope, therefore, is presented with moral responsibility rather than blind faith.



Alongside hope, concern plays an equally strong role in shaping writers' visions of India's future. Amitav Ghosh's works, particularly *The Hungry Tide* and *Gun Island*, express deep concern about environmental destruction and climate change. These texts suggest that future development must respect nature and indigenous knowledge systems. Ghosh presents sustainability as essential for survival, not as a luxury. His narratives clearly argue that progress without environmental care threatens both humanity and culture, making the future fragile rather than secure.

Indian writers also strongly critique models of development that ignore social justice and inclusiveness. Rohinton Mistry's *A Fine Balance* presents a powerful warning about political power, urban planning, and economic policies that marginalize the poor. The novel shows that when development excludes the weak, it creates suffering instead of prosperity. Through such critique, literature questions whether a nation can truly move forward while large sections of society remain invisible. Writers thus demand a future that is fair, participatory, and humane.

The idea of sustainable and humane development is central to many contemporary narratives. Writers like Mahasweta Devi consistently argue that development should protect human dignity and cultural identity. Her stories about tribal communities show that future progress must involve dialogue, consent, and justice. Development, in these texts, is meaningful only when it empowers people rather than displacing them. Such literature imagines India's future as one where growth and compassion move together.

Finally, Indian literature functions as a moral guide for the nation's future vision. Rather than offering policy solutions, writers shape public conscience by questioning values and priorities. Literature encourages readers to reflect on what kind of India should emerge—one driven only by material success or one guided by equality, sustainability, and empathy. In this way, Indian Writing in English does not predict the future but actively participates in shaping it, making literature a crucial voice in imagining a developed and humane India.

Findings:

The study finds that the idea of a Developed India in contemporary Indian Writing in English is not limited to economic growth or technological progress. Writers consistently show that development is meaningful only when it includes social justice, equality, dignity, and human welfare. Literary texts reveal that rapid urbanization, globalization, and modernization often create uneven development, benefiting a few while excluding many. The study also finds that Indian writers strongly critique caste discrimination, gender inequality, environmental damage, and marginalization, showing that these issues remain major obstacles to true development. Overall, literature presents development as a moral, social, and inclusive process rather than a purely economic achievement.

Conclusion:

In conclusion, contemporary Indian Writing in English offers a critical and humane vision of a Developed India. Writers do not reject development, but they question its direction, values, and impact on ordinary lives. Through realistic characters and social themes, literature highlights that national progress without justice, inclusion, and ethical responsibility is incomplete. The study concludes that literature plays an important role in shaping national consciousness by reminding society that true development must balance growth with humanity. Therefore, Indian literature emerges as a powerful guide in imagining a future India that is not only prosperous but also just, inclusive, and morally grounded.

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Original Article

Peace Education for better tomorrow

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Abstract

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This study addresses the issue of religion, caste, race, and creed in society: can peace education help bring about social change? Conflict exists in every aspect of life, but it is not immediately apparent; rather, it is subtly reflected in every moment. The paper concludes with several findings.

Keywords: conflict, peace education, direct, indirect

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Introduction

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Peace education in India seeks to promote nonviolence, social cohesiveness, and conflict resolution techniques, going beyond merely preventing war to address socioeconomic inequality and diversity within the country. It is based on Gandhian ideals and traditional values such as Vasudhaiva Kutumbakam and emphasises the development of empathy, tolerance, and ethics in the educational system. Humanity, fraternity, equality, and peace are among the many fundamental elements of India's diverse culture and traditions. Peace education is emphasised as a means of fostering a secular, democratic, and just society by educational organisations such as the National Council of Educational Research and Training (NCERT), State Council of Educational Research and Training (SCERT), National Council for Teacher Education (NCTE), University Grant Commission (UGC). According to the National Curriculum Framework (NCF) 2005, the curriculum itself places a strong emphasis on encouraging love, courage, hope, and hope in order to assist students in resolving problems within their communities.

Peace education emphasises non-violence (Ahimsa), compassion, and tolerance in order to solve social, religious, and internal injustices. There are numerous strategies to raise awareness of peace education, including interactive pedagogy, dialogue, and critical learning to create a peaceful society. In the Indian setting, where diversity exists in every sector, such approaches are highly beneficial and successful. Unity in diversity will exist in the true sense if the peace education motto is appropriately implemented. There are several despite its significance, there are obstacles such as poor infrastructure, teacher shortages, and ongoing social isolation. In India, peace education is essential for fostering individuals' ability to coexist peacefully with nature and one another. Numerous non-governmental organisations carry out daily operations. In the end, all of those endeavours contribute to the preservation of social peace. The process of learning and putting into practice the values, ethics, code, and conduct is known as peace education. It is the process of learning and cultivating the attitudes, abilities, and behaviours necessary to coexist peacefully with oneself, other people, and the environment.

In order to promote an economically and technologically competitive citizenry for the sake of overall development, our schools, colleges, and non-governmental organisations have been concentrating on local and worldwide economic development over the past 20 years.



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The situation is different in India because of global trends, which have been exacerbated by the events of 9/11. These developments have brought attention to the need for global citizens who are educated for peace, not just economic competitiveness. Given the numerous problems with law and order in India, the Indian government is also battling against it. The ideal global citizen is one who recognises and advocates for the value of upholding human rights, who can collaborate to eradicate poverty, enhance the health and well-being of women and children worldwide, restore and safeguard the environment, and foster peaceful coexistence between peoples, states, and individuals.

India feels that by systematically incorporating children's rights education, we have the chance to work toward creating such global citizens. As educators, we may instil these values in children through a variety of courses. In actuality, ethics and values should be ingrained in youngsters rather than taught in classrooms. Few Indian universities currently provide value education courses, and the only outcome of these programs is the development of calm individuals in India. Instances of Peace Education Initiatives Rotary clubs could provide assistance

The recommended items are: Through educational programs, research programs, educational television programs, schools, conferences, resource libraries, and other learning materials and venues, education about peaceful conflict resolution techniques is advanced both within families, communities, and globally. The initiative's goal is to use education to assist drastically lower the human costs of violence both domestically and internationally (i.e. what we are aiming to achieve).

The Board of Directors' approved activities will continue across our nations and the globe. The general public is one of the intended beneficiaries, with a special emphasis on children (though, to be clear, all of our programs are inclusive in nature). Peace educators and students may have to visit different nations as part of their training and education.

Schools, colleges, and other educational establishments may carry out these activities, or Rotary clubs may do so directly.

The following are specifics of peace education activities:

Formal education and training through the creation, management, and upkeep of classrooms, schools, colleges, universities, and other such establishments. Research institutions; the UN (including many UN agencies, UN Universities, University of Peace/Costa Rica); private research services; businesses (e.g., international businesses viz international affairs, employee relations, public relations, conflict resolution/ADR); federal government (there are several departments, such as foreign affairs, international development, foreign diplomats, national defence, justice, corrections, health, and social services); foreign governments; provincial and municipal governments (teacher education, education systems development, police services, victims services, safe and caring cities, safe and caring schools; responding to real community needs as identified by the community); and non-governmental organisations (e.g., CARE, Red Cross, international NGOs, teaching leadership, fund-raising, etc.); individuals (e.g., enlightenment seekers, target hardening courses); professional futurists; other Enhancing human understanding (e.g., peace psychology, peace science, etc.) Establishing, running, and maintaining courses, schools, colleges, universities, and other such establishments will increase the potential for peace education.

Organising and delivering instruction in peace and future studies, both formally and informally, the creation of conferences, workshops, and other spaces for networking, communication, knowledge sharing, development, and teaching, the creation and distribution of curricula for peace education, the creation of communication forums, the creation of self-study initiatives. Creating lectureships and academic chairs, the creation of virtual learning communities: publish instructional modules and online learning resources, through a cooperative approach involving faculty, students, administrators, staff, and community partners, service-learning in peace education responds to actual community needs as determined by the community by combining training and service through reflection.

Offering scholarships, bursaries, and awards for academic accomplishments in peace and future research doing studies in the area of peace for public accessibility and educational objectives. Maintaining relevant learned societies and promoting peace science and related institutions, the establishment and upkeep of globally accessible peace museums, establishing and maintaining structures for use in peace education. The creation and upkeep of peace resource libraries, information about peacekeeping, peacebuilding, and peace education should be presented completely and fairly so that individuals can make their own decisions.

The literacy of violence, preventing cruelty, abuse, and violence, safeguarding children's well-being and education to create a world that is suitable for children, establishing relationships, Empowerment, leadership, governance, public accountability, social accountability, peace informatics, conflict transformation and alternative dispute resolution, peace psychology, ethics, and change management training, to promote peace, organisations such as peace societies should be established.

The establishment of safety operations supplying amenities for tranquillity to help communities, offering counselling services to peace practitioners and educators, offering examples of peace and knowledge for the future. The creation of educational films, audio files, books, newsletters, and other materials, creation of promotional, marketing, and advertising materials, encourage the maintenance of tranquil surroundings, establish and maintain a toll-free phone line or lines to offer the public counselling services on issues pertaining to violence prevention, peace education, and peacebuilding, as well as to send them to the proper professionals and peace workers as necessary.



Raising money for the aforementioned initiatives through sales of goods and services, government grants or contracts, corporations, people, and other registered charities, funding qualified donees in the fields of peace education to carry out the aforementioned activities, contracting with organisations and peace educators to carry out the aforementioned activities.

Dr. George Barkett, a member of the Vero Beach, Florida Rotary Club, wrote "SONGS FOR PEACE: A Proposal and Call for Action to Create World Peace by 2050 Through Rotary International." These are instances of national endeavours. Such acts are also occurring internationally. With the exception of Somalia and the United States, every country has ratified the United Nations Convention on the Rights of the Child, making it the most broadly accepted international agreement in history. By ratifying it, states parties pledge to uphold and enforce children's rights to protection from all forms of harm and to the supply of necessities for their intellectual, psychological, and physical development. States parties are also required under the convention to teach adults and children about children's rights. And this is our chance.

According to empirical data, children who are taught about their rights under the Convention through a rights-based pedagogy exhibit a greater comprehension of their rights, a greater regard for the rights of others, a sense of social responsibility, and the participation skills necessary for successful democratic citizenship. In a similar vein, people who educate kids about their rights develop a stronger conviction that every child's rights must be upheld. A culture of peace can be fostered via teaching of children's rights. It's one way to get kids ready for a society where everyone is treated with respect and there is peace because everyone has rights.

Dr. Katherine Covell is the executive director of the UCCB Children's Rights Centre, a psychology professor at the University College of Cape Breton, and a board member of several child advocacy organisations, such as the Canadian Coalition for the Rights of Children. She focuses on children's rights concerns, particularly children's rights education, in her teaching, research, and publishing.

In light of all of these NGOs' experiences, we may conclude that it is feasible to create and apply moral principles and values that promote peace in both the nation and the world. Numerous initiatives are beneficial for the growth of peaceful people at the national and international levels.

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Original Article

Viksit Bharat 2047: Bridging Global Perspectives through English Literature

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The vision of Viksit Bharat 2047 aims to create an economically strong, socially inclusive, culturally confident, and globally engaged India. English literature plays a crucial role in this process by acting as a bridge between Indian realities and global perspectives. Through literary texts, readers engage with diverse cultures, histories, ethical dilemmas, and universal human values, fostering critical thinking and global awareness. Indian Writing in English presents local socio-cultural issues such as caste, gender, migration, and environmental concerns to an international audience, while global English literature exposes Indian learners to worldwide experiences and ideas. Literature thus promotes dialogue between tradition and modernity, the local and the global. By enhancing communication skills, ethical sensitivity, and intercultural understanding, English literature contributes significantly to human capital development. In the context of Viksit Bharat 2047, it supports informed citizenship, cultural diplomacy, and global competence, making it an essential intellectual tool for nation-building in a globalized world.

Key Words: English Literature, Global Perspectives, Indian Writing in English, Cultural Dialogue, Postcolonial Literature, Global Citizenship, Education, Human Values, Nation-Building

Introduction:

Viksit Bharat 2047 envisions India as a developed nation that is economically strong, socially inclusive, and globally connected while remaining firmly rooted in its cultural values. Achieving this ambitious vision requires citizens who are intellectually open, ethically aware, and capable of engaging with global ideas without losing their cultural identity. In this context, English literature emerges as a powerful medium of expression and understanding. As a global language and literary tradition, it provides a platform to connect Indian experiences, histories, and values with international perspectives. Through literary texts, learners are exposed to diverse cultures, social realities, ethical dilemmas, and universal human concerns. English literature encourages critical thinking, empathy, and reflective understanding, enabling individuals to question assumptions and appreciate diversity. It also enhances communication skills and global competence, which are essential in an interconnected world. Thus, by bridging the local and the global, English literature contributes meaningfully to India's holistic development and supports the intellectual and cultural foundations necessary for realizing the vision of Viksit Bharat 2047. **1. English Literature and Critical Thinking:**

English literature plays a vital role in developing critical and analytical thinking, which is essential for building informed and responsible citizens. Literary texts do not offer fixed meanings; instead, they invite readers to question social norms, examine power structures, and analyze complex human behavior. Through close reading and interpretation, learners develop the ability to think independently, evaluate multiple perspectives, and engage with ethical dilemmas. Literature sharpens reasoning skills by encouraging readers to connect text with context, history, and society.



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Works such as Hamlet by William Shakespeare explore themes of power, conscience, and moral responsibility, prompting readers to reflect deeply on leadership and ethical choices. Similarly, George Orwell's Animal Farm offers a powerful critique of political authority, ideology, and governance. Engaging with such texts helps learners understand how power operates and how citizens must remain vigilant and thoughtful. These critical skills are fundamental for democratic participation and informed citizenship, making English literature an important intellectual resource for achieving the goals of Viksit Bharat 2047.

2. Global Awareness and Intercultural Understanding:

English literature plays a crucial role in promoting global awareness and intercultural understanding by exposing readers to diverse cultures, histories, and social realities across the world. Through literary narratives, readers encounter lives, traditions, and experiences different from their own, which fosters empathy and broadens their worldview. Such exposure helps learners move beyond stereotypes and develop respect for cultural diversity.

Texts like Chinua Achebe's Things Fall Apart present African perspectives on colonialism, allowing readers to understand the cultural disruption and resistance faced by indigenous societies. Similarly, Khaled Hosseini's The Kite Runner explores human relationships, guilt, and redemption within the context of political conflict and social change in Afghanistan. Engaging with these works enables learners to connect emotionally with global issues and human struggles. By cultivating sensitivity to cultural differences and shared human values, English literature prepares learners for meaningful global engagement and responsible global citizenship, which are essential for realizing the vision of Viksit Bharat 2047.

3. Indian Writing in English: Local Voices, Global:

Indian Writing in English plays a significant role in bridging local Indian experiences with a global readership. By using English as a medium, Indian writers communicate the realities of Indian society to the world while engaging with universal themes such as identity, inequality, memory, and belonging. This literary tradition allows local voices to participate in global cultural and intellectual conversations.

Writers like R. K. Narayan portray the simplicity and complexity of small-town Indian life, making local experiences universally relatable. Arundhati Roy's The God of Small Things offers a powerful critique of social hierarchies, caste discrimination, and gender inequality, resonating with global concerns about justice and human rights. Similarly, Amitav Ghosh's The Shadow Lines explores themes of borders, nationalism, and transnational identity. Through such works, Indian realities are placed within a global discourse, strengthening India's cultural presence and supporting the vision of Viksit Bharat 2047.

4. Postcolonial Identity and Cultural Confidence:

Postcolonial English literature plays a crucial role in shaping India's post-independence identity by reclaiming historical narratives and restoring cultural confidence. After centuries of colonial domination, literature became a powerful medium through which Indian writers could challenge colonial stereotypes, question-imposed histories, and assert indigenous perspectives. Postcolonial texts reinterpret the past from the viewpoint of the colonized, allowing societies to critically understand their history rather than accept colonial versions uncritically.

By giving voice to marginalized experiences and local cultures, postcolonial literature empowers indigenous identities and promotes self-awareness. It highlights the complexity, diversity, and resilience of Indian society, countering simplistic or exotic portrayals created during the colonial period. This process of cultural reassertion is essential for a developed nation, as true development involves psychological and cultural independence alongside economic progress.

A notable example is Salman Rushdie's Midnight's Children, which reimagines Indian history through imaginative storytelling and magical realism. By blending personal narratives with national events, the novel questions official histories and celebrates plurality. Such works foster cultural confidence, critical consciousness, and intellectual freedom. In the context of Viksit Bharat 2047, postcolonial literature strengthens India's self-definition, enabling the nation to engage globally with confidence while remaining rooted in its own historical and cultural realities.

5. Ethical Values and Social Justice:

English literature plays an important role in nurturing ethical values and social justice by sensitizing readers to issues of injustice, inequality, and human rights. Literary texts encourage moral reflection by presenting social realities through human experiences, emotions, and conflicts. By engaging with such narratives, readers develop empathy, fairness, and a deeper understanding of ethical responsibility.

Works like Harper Lee's To Kill a Mockingbird powerfully highlight racial injustice and moral courage, prompting readers to question prejudice and discrimination. Similarly, the novels of Charles Dickens expose social inequality, poverty, and exploitation during the industrial era, drawing attention to the suffering of marginalized communities. These texts inspire readers to reflect on justice, dignity, and compassion. Such ethical engagement closely aligns with India's constitutional values of equality, liberty, and social justice. By promoting moral awareness and inclusive thinking, English literature contributes to responsible citizenship and supports the broader goals of social equity and inclusive development envisioned under Viksit Bharat 2047.

6. Gender Perspectives through Literature:

English literature plays a significant role in presenting gender perspectives by amplifying women's voices and challenging patriarchal structures embedded in society. Through literary narratives, women's experiences, struggles,



and aspirations are brought to the forefront, encouraging readers to question gender inequality and social norms. Literature becomes a space for exploring women's identity, autonomy, and resistance against oppression.

Writers such as Virginia Woolf highlight the need for intellectual and economic independence for women, while Toni Morrison gives voice to marginalized women, addressing race, gender, and historical trauma. Indian writers like Anita Desai and Shashi Deshpande sensitively portray women's inner conflicts, emotional worlds, and negotiations within family and society. Their works reflect the complexities of women's lives in both private and public spheres. By engaging with such texts, readers develop gender sensitivity, empathy, and respect for equality. Thus, English literature contributes to social awareness and supports the vision of gender justice and inclusive development central to Viksit Bharat 2047.

7. English Literature, Education, and NEP 2020:

The National Education Policy 2020 emphasizes holistic, multidisciplinary, and value-based education aimed at developing well-rounded individuals. In this framework, English literature plays a significant role by integrating language skills with ethics, history, philosophy, and social sciences. Literary texts enable learners to develop reading, writing, speaking, and critical thinking skills simultaneously while engaging with social realities and moral questions. Contextual and critical teaching of English literature encourages students to relate texts to their own cultural backgrounds and contemporary issues. This approach helps learners understand global ideas without losing connection to local contexts. Through comparative reading and discussion, students become aware of diverse perspectives and shared human concerns. Literature-based education thus nurtures empathy, analytical ability, and intercultural competence. By aligning linguistic proficiency with ethical understanding and social awareness, English literature supports the objectives of NEP 2020 and contributes to creating learners who are locally rooted yet globally aware, a key requirement for achieving the vision of Viksit Bharat 2047.

8. Literature as Soft Power and Cultural Diplomacy:

English literature functions as an important instrument of soft power and cultural diplomacy by projecting India's intellectual depth and cultural richness on the global stage. Literary works written in English reach international audiences, allowing Indian experiences, values, and worldviews to be shared across borders. Through translations and global circulation, Indian literature contributes to shaping positive perceptions of India as a culturally vibrant and intellectually dynamic nation.

International recognition through prestigious literary awards and global readership enhances India's cultural credibility. Literary festivals, academic exchanges, and cross-cultural dialogues further strengthen people-to-people connections and promote mutual understanding. Such platforms enable India to engage with the world not only through economic and political means but also through ideas, creativity, and storytelling. As Viksit Bharat 2047 envisions India as a global leader, literature-based cultural diplomacy supports this aspiration by fostering respect, dialogue, and cultural influence, thereby strengthening India's soft power in an increasingly interconnected world.

9. Addressing Global Challenges through Literature:

Contemporary English literature plays a significant role in addressing pressing global challenges such as climate change, migration, displacement, inequality, and technological disruption. By presenting these issues through human stories and critical reflection, literature helps readers understand the emotional, ethical, and social dimensions of global crises. Unlike purely scientific or policy-based discussions, literary narratives create empathy and moral urgency, encouraging readers to reflect on their responsibilities as global citizens.

A notable example is Amitav Ghosh's *The Great Derangement*, which critically examines humanity's failure to adequately address climate change. The work challenges conventional modes of thinking and highlights the cultural and political dimensions of environmental neglect. Such texts raise ecological consciousness and encourage sustainable thinking among readers. By engaging with global challenges through literature, learners develop awareness of interconnected global realities and shared futures. This literary engagement aligns national development with global sustainability concerns, supporting the vision of Viksit Bharat 2047, which emphasizes responsible growth, environmental balance, and global cooperation.

Conclusion:

English literature plays a profound and multidimensional role in realizing the vision of Viksit Bharat 2047 by effectively bridging Indian experiences with global perspectives. It nurtures critical and analytical thinking, ethical awareness, cultural confidence, and global competence among learners, which are essential qualities for responsible citizenship in a rapidly interconnected world. Through engagement with diverse literary texts, readers learn to question assumptions, appreciate multiple viewpoints, and respond sensitively to social and moral issues.

Indian Writing in English presents local realities, histories, and cultural practices to an international audience, allowing India to assert its voice within global intellectual discourse. At the same time, global literary works enrich Indian readers' understanding of universal human concerns such as justice, freedom, identity, and environmental responsibility. Literature thus promotes inclusive education by fostering gender sensitivity, social justice, empathy, and respect for diversity. It also strengthens cultural diplomacy and soft power by projecting India's intellectual richness and humanistic values globally.



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As India aspires to global leadership while remaining rooted in its cultural heritage, English literature functions as a powerful medium of dialogue between the local and the global. Therefore, meaningful integration of English literature into education and public discourse is essential for nurturing informed, ethical, culturally confident, and globally engaged citizens aligned with the long-term goals of Viksit Bharat 2047.

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Original Article

Ancient Wisdom to Modern Success: The Historical Roadmap for 2047.

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India's journey toward Viksit Bharat 2047 is deeply rooted in its ancient wisdom while being dynamically shaped by modern aspirations. From the philosophical foundations of the Vedas, Upanishads, and Buddhist thought to the administrative, scientific, and cultural achievements of medieval and modern India, the nation has continuously evolved. Ancient Indian knowledge systems emphasized holistic living, ethical governance, education, sustainability, and social harmony. Colonial disruption altered this trajectory, but the freedom movement revived indigenous values alongside modern democratic ideals. Post-independence India focused on nation-building through constitutional values, scientific advancement, and social reform. Today, digital transformation, innovation, and global engagement mark India's progress. This historical roadmap demonstrates that India's future development cannot be detached from its past. By integrating ancient wisdom with modern science, technology, and inclusive governance, India can achieve balanced, ethical, and sustainable development. Thus, the path to 2047 represents continuity rather than rupture, where tradition and modernity together shape a confident and globally respected nation.

Key Words: Ancient Wisdom, Indian Knowledge Systems, Viksit Bharat 2047, History, Dharma, Governance, Education, Modernization, Sustainability, Nation-Building.

Introduction:

India's vision for 2047 as a developed nation draws strength from a long and rich historical legacy. From ancient philosophical traditions to modern democratic institutions, India's past offers valuable lessons for its future. Understanding this historical continuity provides a roadmap for sustainable and inclusive development. By blending ancient wisdom with modern innovation, India can chart a balanced path toward progress and global leadership.

1. Ancient Indian Wisdom and Knowledge Systems:

Ancient Indian wisdom and knowledge systems laid strong and enduring foundations in philosophy, governance, education, science, and ethics, shaping India's civilizational identity. The Vedas and Upanishads emphasized harmony between the individual, society, and nature, promoting a holistic worldview. Core concepts such as Dharma (ethical duty), Rita (cosmic order), and Vasudhaiva Kutumbakam (the world as one family) encouraged moral responsibility, social balance, and global consciousness. These ideas guided personal conduct as well as collective life, ensuring ethical and sustainable social order.

Ancient political thought was equally advanced. Kautilya's Arthashastra presented a comprehensive framework of statecraft, economic management, welfare-oriented governance, and diplomacy. Its emphasis on public welfare, efficient administration, and ethical leadership remains relevant in contemporary governance debates.

Indian Knowledge Systems also made remarkable contributions to science and technology. The discovery of zero, developments in algebra and astronomy, Ayurveda's holistic approach to health, and sustainable water management practices such as stepwells reflect deep scientific insight and environmental foresight.



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These traditions highlight sustainability and balance, aligning closely with modern development goals and offering valuable guidance for India's path toward Viksit Bharat 2047.

2. Education and Gurukul Tradition:

Education in ancient India was rooted in the ideal of holistic development, integrating intellectual, moral, physical, and spiritual learning. The Gurukul system functioned as a residential model where students lived with their teacher, learning not only academic subjects but also values such as discipline, humility, self-reliance, and ethical conduct. Education was experiential in nature, emphasizing observation, discussion, practice, and reflection rather than rote memorization. This approach aimed at character formation alongside knowledge acquisition.

Renowned centers of learning such as Nalanda and Takshashila exemplified India's ancient educational excellence. These universities attracted scholars from across Asia, offering advanced studies in philosophy, medicine, mathematics, astronomy, and logic. They served as hubs of intellectual exchange and global scholarship. This rich educational legacy highlights India's long-standing role as a knowledge leader and strongly supports its contemporary aspiration to become a global center for education and research under the vision of Viksit Bharat 2047.

3. Medieval Synthesis and Cultural Continuity:

The medieval period in India was marked by a rich synthesis of cultures and ideas, most notably through the Bhakti and Sufi movements. These spiritual traditions emphasized devotion, equality, love, and social harmony, cutting across rigid caste, religious, and social hierarchies. By focusing on personal faith and ethical living rather than ritualism, they promoted inclusive and accessible spiritual expression for all sections of society.

Saints such as Kabir, Mirabai, and Tukaram strongly advocated social reform, compassion, and moral conduct through their poetry and teachings. Their messages fostered cultural resilience, unity, and a shared ethical consciousness among diverse communities. Alongside spiritual movements, medieval India also witnessed effective administrative practices under regional kingdoms. Systems of governance, trade networks, and urban planning were strengthened during this period. Temples and mosques functioned not only as religious spaces but also as centers of learning, economic activity, and community interaction. This cultural and administrative continuity helped preserve India's social fabric and collective identity across centuries.

4. Colonial Disruption and National Awakening:

British colonial rule in India caused significant disruption to indigenous systems of education, economy, governance, and cultural life. Traditional knowledge systems, local industries, and self-sustaining economic structures were weakened, leading to social and economic imbalance. However, colonial domination also unintentionally triggered a powerful national awakening. Exposure to modern ideas such as democracy, liberty, equality, and human rights encouraged Indians to critically examine both colonial rule and their own social practices.

During this period, social and religious reform movements emerged, aiming to revive indigenous values while embracing progressive thought. Indian leaders and thinkers sought to reconcile ancient wisdom with modern humanism to build a confident national identity. A prominent example is Swami Vivekananda, who synthesized Vedantic philosophy with modern ideals of rationality, universalism, and service to humanity. His message emphasized spiritual strength, self-respect, and social responsibility, inspiring national confidence and earning global respect. This blend of indigenous values and modern thought laid the intellectual foundation for India's freedom struggle and future nation-building.

5. Freedom Movement and Ethical Politics:

India's freedom movement was unique in its integration of moral philosophy with mass political mobilization. Unlike violent revolutions elsewhere, the Indian struggle for independence was deeply rooted in ethical principles drawn from ancient Indian traditions. Mahatma Gandhi played a central role in shaping this approach by emphasizing Satya (truth), Ahimsa (non-violence), and Swadeshi (self-reliance) as tools of resistance against colonial rule. These values transformed political struggle into a moral movement, engaging millions across social, regional, and religious boundaries.

Gandhi's methods demonstrated that ethical conduct and political action could coexist, giving the freedom movement a strong moral legitimacy. His emphasis on simplicity, self-discipline, and respect for human dignity resonated with India's cultural heritage while addressing modern political challenges. Even today, Gandhian ideals continue to influence India's approach to peace, environmental sustainability, grassroots democracy, and ethical leadership. This fusion of ancient values with modern political resistance remains a guiding force in India's pursuit of justice, harmony, and responsible nation-building.

6. Post-Independence Nation-Building:

After gaining independence in 1947, India embarked on a comprehensive nation-building project grounded in democratic and constitutional values. The Constitution of India enshrined the principles of justice, liberty, equality, and fraternity, laying the foundation for a modern, inclusive, and democratic state. Nation-building efforts focused on fostering scientific temper, industrial growth, and social reform to overcome the challenges of poverty, illiteracy, and underdevelopment.

Institutions such as the Indian Institutes of Technology (IITs), the Indian Space Research Organization (ISRO), and the All India Institute of Medical Sciences (AIIMS) became symbols of India's commitment to science, innovation, and



self-reliance. These institutions strengthened technical expertise, healthcare, and research capacity. At the same time, the Green Revolution transformed Indian agriculture by blending traditional farming knowledge with modern technology, ensuring food security and rural stability. Together, these initiatives reflected India's balanced approach to development, combining modern science with indigenous strengths in its pursuit of national progress.

7. Economic Liberalization and Global Integration:

The economic reforms of 1991 marked a decisive turning point in India's development trajectory, ushering in an era of liberalization, privatization, and global integration. By opening its economy to global markets and reducing state controls, India stimulated growth, innovation, and competitiveness. These reforms enabled India to emerge as a major player in information technology, services, manufacturing, and entrepreneurship, significantly enhancing its global economic presence.

India's IT sector became a global hub for software services and innovation, contributing to employment generation and foreign exchange earnings. Landmark achievements such as space missions like Chandrayaan demonstrated India's technological capability and cost-effective innovation. Additionally, digital public platforms such as Aadhaar and Unified Payments Interface (UPI) revolutionized governance, financial inclusion, and service delivery. These developments reflect technological success rooted in strong administrative vision and policy support. Together, economic liberalization and technological advancement positioned India as a confident, globally integrated economy, laying a strong foundation for achieving the goals of Viksit Bharat 2047.

8. Contemporary India and the Road to 2047:

Contemporary India stands at a crucial intersection of tradition and modernity, shaping its roadmap toward Viksit Bharat 2047. National initiatives such as Digital India, Make in India, Startup India, and the National Education Policy (NEP) 2020 reflect a conscious synthesis of technological innovation and cultural grounding. These programs aim to enhance digital connectivity, promote manufacturing and entrepreneurship, and reform education to meet global standards while remaining rooted in Indian values.

NEP 2020, in particular, emphasizes Indian knowledge traditions alongside multidisciplinary, skill-based, and globally relevant education models. The roadmap to 2047 is further defined by priorities such as sustainability, inclusive economic growth, women's empowerment, and active youth participation. Reviving ancient ecological wisdom, such as respect for nature and resource balance, while adopting modern green technologies supports India's climate commitments and sustainable development goals. Together, these approaches ensure balanced progress that harmonizes cultural continuity with innovation, guiding India toward a resilient and inclusive future.

9. Continuity of Values and Future Vision:

India's historical roadmap highlights continuity rather than rupture, demonstrating that the nation's progress has always been guided by enduring values rather than abrupt breaks from the past. Across ancient, medieval, colonial, and modern periods, core principles such as ethical governance, respect for knowledge, social harmony, and a global outlook have remained constant. Concepts like Dharma, justice, compassion, and collective welfare shaped ancient governance and social life, while later reform movements and freedom struggles reinterpreted these values to meet contemporary challenges. Even in the post-independence era, constitutional ideals and democratic institutions reflect this long-standing moral and philosophical heritage.

The vision of Viksit Bharat 2047 builds upon this continuity. It seeks modernization through technology, innovation, and global engagement without abandoning cultural and ethical anchors. Development is envisioned not merely in economic terms but as holistic progress that balances material growth with moral responsibility, inclusiveness, and sustainability. By respecting its civilizational wisdom while embracing modern science and global ideas, India aims to chart a unique path of development. This continuity of values ensures that progress remains humane, balanced, and rooted, enabling India to emerge as a confident, ethical, and globally respected nation by 2047.

Conclusion:

India's journey toward Viksit Bharat 2047 is best understood as a continuous progression from ancient wisdom to modern success. The philosophical, scientific, and ethical foundations established in ancient and medieval India continue to influence contemporary development pathways. Despite the disruptions caused by colonial rule, India regained its cultural confidence through the freedom movement and strengthened it further through post-independence nation-building efforts. Today's focus on technology, innovation, sustainability, and global engagement is deeply rooted in this historical legacy. By integrating Indian Knowledge Systems with modern science, democratic governance, and inclusive policies, India can ensure balanced, humane, and ethical development. The roadmap to 2047 does not advocate abandoning tradition; rather, it emphasizes reinterpreting timeless values to address present and future challenges. India's past thus functions not as a constraint but as a guiding force, enabling the nation to move forward with confidence, self-reliance, and global respect as it approaches the centenary of independence.

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Original Article

The Political Architecture of Viksit Bharat: Vision 2047

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The political architecture of Viksit Bharat: Vision 2047 outlines a comprehensive framework aimed at transforming India into a developed, inclusive, and globally influential nation by the centenary of Independence. It emphasizes democratic governance, institutional strength, federal cooperation, and citizen-centric administration as the backbone of development. The vision integrates political stability with economic growth, social justice, and technological advancement. Electoral reforms, decentralization, transparency, and accountability are highlighted as essential mechanisms to deepen democracy. Digital governance, cooperative federalism, and participatory decision-making aim to enhance efficiency and trust between the state and citizens. The political framework also underscores constitutional values, rule of law, and rights-based development to ensure equitable progress. By aligning governance reforms with long-term national goals, Vision 2047 positions politics not merely as power management but as a transformative instrument for nation-building, social cohesion, and sustainable development in a rapidly changing global context.

Key Words: Viksit Bharat 2047, Political Architecture, Democratic Governance, Federalism, Institutional Reforms, Rule of Law, Digital Governance, Citizen Participation, Accountability, Inclusive Development

Introduction:

Viksit Bharat: Vision 2047 presents a comprehensive and forward-looking roadmap for India's transformation into a fully developed nation by the centenary of its Independence. This vision goes beyond economic targets to emphasize the creation of a just, inclusive, and resilient society. At its core lies a strong, responsive, and ethical political architecture that guides the development process and ensures long-term national stability. Politics, within this framework, is not perceived merely as an instrument of power but as a constructive force for nation-building, social transformation, and collective progress. Democratic governance, constitutional values, and the rule of law form the foundation of this political framework. These principles ensure that development remains rights-based, participatory, and respectful of human dignity. Institutions such as Parliament, the judiciary, and independent constitutional bodies play a vital role in safeguarding accountability, transparency, and checks and balances within the system. Vision 2047 also emphasizes citizen-centric administration, where governance responds to the needs and aspirations of people through efficient service delivery and participatory decision-making. Cooperative federalism and decentralization further strengthen this architecture by promoting collaboration between the Union, States, and local self-governments. Institutional accountability and governance reforms, supported by digital innovation, enhance policy implementation and public trust. By integrating economic growth with social justice, political stability with democratic participation, and administrative efficiency with technological advancement, the political architecture of Viksit Bharat seeks to empower citizens and strengthen institutions. Ultimately, this vision aims to build a sustainable, inclusive, and globally responsible India capable of addressing domestic challenges while contributing constructively to the international community.



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1. Democratic Governance and Constitutional Values:

Democratic governance and constitutional values constitute the foundational core of India's political architecture under Viksit Bharat: Vision 2047. The vision is firmly anchored in the guiding principles of equality, liberty, justice, and fraternity, which are enshrined in the Preamble of the Indian Constitution. These principles ensure that development is not confined to economic advancement alone but remains inclusive, participatory, and respectful of human dignity. Democracy, in this framework, is viewed as both a system of governance and a moral commitment to the rights and aspirations of citizens.

Constitutional institutions such as Parliament, the judiciary, the Election Commission, and other independent bodies play a vital role in sustaining this democratic framework. Through checks and balances, these institutions prevent the concentration of power and protect democratic processes from arbitrary or authoritarian tendencies. Their independence and credibility are essential for maintaining transparency, accountability, and public trust in governance.

Judicial interventions, especially in matters concerning the protection of fundamental rights, illustrate the dynamic nature of the Indian Constitution as a living document capable of responding to evolving social, political, and economic realities. Landmark judgments expanding rights related to equality, privacy, and social justice have strengthened democratic accountability and given voice to marginalized and vulnerable sections of society.

By upholding constitutional morality and democratic norms, Vision 2047 ensures that India's developmental journey remains ethically guided and legally sound. This strong constitutional foundation guarantees that progress toward becoming a developed nation is rooted in justice, inclusiveness, and democratic traditions, reinforcing India's identity as the world's largest and most resilient democracy.

2. Federalism and Cooperative Governance:

Federalism and cooperative governance are key pillars of Viksit Bharat: Vision 2047, reflecting India's vast regional diversity, socio-economic variations, and multi-layered political structure. The vision emphasizes a balanced blend of cooperative and competitive federalism, where the Union and State governments collaborate in policymaking while also encouraging innovation, efficiency, and healthy competition among states. Such an approach enables states to design development strategies suited to their unique resources and challenges, while remaining aligned with national priorities.

Effective coordination between different levels of government is essential for achieving balanced regional development and reducing inter-state disparities. Institutional mechanisms like the Goods and Services Tax (GST) Council serve as strong examples of shared decision-making, where the Centre and States jointly deliberate on fiscal matters through dialogue and consensus. This model promotes trust, transparency, and fiscal discipline while preserving the constitutional autonomy of states.

Centrally sponsored schemes implemented with flexibility at the state level further strengthen cooperative federalism by allowing localized adaptation of national programs. By fostering continuous dialogue, resource-sharing, and policy coordination, Vision 2047 seeks to transform federalism into a dynamic and mutually reinforcing partnership. This cooperative framework not only strengthens national unity but also respects regional identities and local priorities, ensuring inclusive development and reinforcing the democratic fabric of the Indian Union.

3. Decentralization and Grassroots Democracy:

Decentralization and grassroots democracy are vital components of the political architecture envisioned in Viksit Bharat: Vision 2047. The vision acknowledges that meaningful and effective democracy cannot be sustained solely through central and state-level institutions but must be deeply rooted at the local level, where citizens interact most directly with governance. Empowering local self-governments ensures that democracy becomes participatory, inclusive, and responsive to everyday realities. Strengthening Panchayati Raj Institutions (PRIs) in rural areas and Urban Local Bodies (ULBs) in urban regions brings decision-making closer to the people, allowing governance to reflect local needs, priorities, and socio-cultural contexts.

The constitutional foundation for decentralization is provided by the 73rd and 74th Constitutional Amendments, which mandate the devolution of powers, responsibilities, and financial resources to local bodies. These provisions enable local institutions to function as effective units of self-governance rather than mere implementing agencies. Local governments play a crucial role in planning and executing development initiatives in areas such as health, education, sanitation, infrastructure, and social welfare, thereby directly influencing the quality of life of citizens.

Participatory platforms such as Gram Sabhas strengthen direct democracy by enabling citizens to engage in deliberations, oversee development works, and hold elected representatives accountable. In urban areas, municipal development plans, ward committees, and citizen forums facilitate inclusive and context-specific solutions to complex urban challenges. This bottom-up approach enhances transparency, accountability, and inclusiveness by integrating community voices into policy formulation and implementation.

Decentralization also promotes equitable resource distribution and social justice by addressing region-specific disparities and empowering marginalized communities. Vision 2047 recognizes that sustainable and inclusive national development is rooted in strong, capable, and accountable local institutions. By nurturing leadership at the grassroots level and empowering citizens, decentralization ensures that development remains people-centric, responsive, and aligned with India's diverse regional and social aspirations.



4. Governance Reforms and Transparency:

Governance reforms and transparency are central to the successful realization of Viksit Bharat: Vision 2047, as efficient and accountable administration forms the backbone of inclusive and sustainable development. The vision emphasizes comprehensive administrative reforms aimed at improving efficiency, responsiveness, and integrity in public institutions. Simplification of procedures, reduction of bureaucratic delays, and outcome-oriented governance are key priorities to ensure timely and effective service delivery to citizens.

The adoption of digital governance has significantly transformed the relationship between the state and citizens by making government processes more transparent, accessible, and efficient. Initiatives such as Direct Benefit Transfer (DBT) have minimized leakages in welfare schemes by ensuring that financial assistance reaches beneficiaries directly, thereby reducing corruption and enhancing public confidence. Similarly, online grievance redressal systems provide citizens with accessible platforms to report issues, track responses, and seek timely resolution, strengthening trust and accountability in governance.

E-governance tools also enable data-driven decision-making and real-time monitoring of policies and programs, allowing governments to assess performance, identify gaps, and improve outcomes. Digital dashboards, integrated databases, and performance indicators enhance transparency and promote evidence-based policymaking. By integrating technology with administrative reforms, Vision 2047 aims to establish a citizen-centric governance model that prioritizes ease of living and service efficiency. Ultimately, transparency not only improves service delivery but also reinforces democratic accountability, ethical governance, and public participation, ensuring that governance aligns with the aspirations and rights of the people in a modern, developed India.

5. Political Stability and Global Leadership:

Political stability is a critical prerequisite for achieving the long-term objectives of Viksit Bharat: Vision 2047. A stable political system ensures continuity in public policies, effective implementation of reforms, and a predictable governance environment, all of which are essential for sustained economic growth and social development. Policy consistency reduces uncertainty, strengthens investor confidence, and encourages both domestic and foreign investment. It also enables long-term planning in key sectors such as infrastructure, education, technology, energy, and healthcare. Political stability allows governments to focus on structural and institutional reforms rather than short-term political considerations, thereby enhancing the overall capacity and effectiveness of governance.

Vision 2047 clearly links internal political strength with India's expanding role on the global stage. A strong and stable democracy enhances India's credibility in international relations, enabling it to project itself as a responsible, reliable, and ethical global actor. India's commitment to democratic values, pluralism, constitutionalism, and the rule of law strengthens its moral authority and legitimacy in global governance forums such as the United Nations, G20, and World Trade Organization. Democratic credibility enhances India's ability to influence global norms, shape multilateral agendas, and represent the interests of developing nations.

Ethical statecraft, rooted in principles of peaceful coexistence, respect for sovereignty, and multilateral cooperation, further reinforces India's global leadership aspirations. Through initiatives in climate action, digital public goods, south-south cooperation, and international development partnerships, India demonstrates how domestic political stability translates into constructive and responsible global engagement. Political stability also enables India to articulate and pursue coherent long-term foreign policy objectives aligned with national interests and global responsibilities. Thus, Viksit Bharat: Vision 2047 envisions political stability not merely as a domestic requirement but as a foundational pillar for India's emergence as a confident, credible, and influential leader in global governance.

Conclusion:

The political architecture of Viksit Bharat: Vision 2047 places governance at the very heart of India's national transformation. It recognizes that sustainable development cannot be achieved through economic growth alone but requires strong, ethical, and responsive political institutions. By reinforcing democratic values, protecting constitutional principles, and ensuring the rule of law, the vision provides a moral and legal foundation for inclusive progress. Strengthening democratic institutions and independent constitutional bodies enhances accountability and safeguards citizen rights, while cooperative federalism ensures balanced regional development through shared responsibility between the Union and the States.

Decentralization and the empowerment of local self-governments further deepen democracy by encouraging grassroots participation and people-centric planning. At the same time, governance reforms driven by digital technology improve transparency, efficiency, and service delivery, fostering public trust in the system. Political stability and policy continuity enable long-term planning and attract global confidence, positioning India as a responsible and credible global actor.

Ultimately, Vision 2047 reimagines politics as a constructive and transformative force that promotes social cohesion, equity, and sustainable development. A resilient and democratic political framework will ensure that India's journey toward development by 2047 is not merely material but also humane, inclusive, and globally respected, truly reflecting the aspirations of an empowered nation.



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Original Article

Sports as a Catalyst for Viksit Bharat 2047: Building a Healthy and Strong Nation

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Sports play a pivotal role in achieving the vision of Viksit Bharat 2047 by strengthening physical health, mental resilience, social inclusion, and national unity. A developed nation requires robust human capital, and sports contribute by promoting discipline, teamwork, leadership, and ethical values. Regular engagement in sports reduces lifestyle diseases, lowers healthcare costs, and enhances productivity. Sports also empower youth and women, provide opportunities for marginalized communities, and encourage social mobility. The rapid growth of the sports economy through infrastructure development, professional leagues, and allied careers generates employment and global recognition. Furthermore, sports act as instruments of national integration and sports diplomacy, enhancing India's international image. By integrating sports into education, community life, and national policies, India can nurture healthy, confident, and responsible citizens. Thus, sports emerge not merely as recreational activities but as strategic drivers of holistic development and nation-building in the journey toward Viksit Bharat 2047.

Key Words: Sports, Public Health, Youth Development, Women Empowerment, Social Inclusion, Nation-Building, Sports Economy, Education, Sports Diplomacy Etc.

Introduction:

The vision of Viksit Bharat 2047 aims to transform India into an economically robust, socially inclusive, and globally influential nation by the centenary of its independence. Achieving this ambitious goal requires more than economic growth alone. It demands the holistic development of citizens with sound physical health, mental resilience, and strong moral values. In this context, sports emerge as a vital instrument of nation-building rather than merely a recreational activity. Participation in sports promotes physical fitness, emotional balance, discipline, teamwork, and leadership qualities, which are essential for creating a productive and responsible citizenry. Sports also foster social cohesion by transcending barriers of caste, class, gender, and region, thereby strengthening national unity. Moreover, a strong sports culture contributes to reduced healthcare burdens and enhanced human capital. Recognizing sports as a developmental catalyst aligns with India's broader goals of sustainability, inclusiveness, and global competitiveness. Therefore, integrating sports into education, community life, and national policy is essential for shaping a healthy, confident, and resilient India capable of realizing the vision of Viksit Bharat 2047.

1. Sports and Holistic National Development:

Sports occupy a central place in the holistic development of individuals and society, making them vital to the vision of Viksit Bharat 2047. A developed nation requires citizens who are not only economically productive but also physically healthy, mentally resilient, and socially responsible. Sports contribute directly to this balanced development by strengthening the body, sharpening the mind, and shaping character. Regular participation in sports improves physical fitness, stamina, and immunity while also reducing stress and promoting emotional well-being.



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Beyond physical health, sports play a significant role in mental and social development. Team games and competitive activities cultivate discipline, cooperation, patience, and respect for rules. Individuals learn to work collectively toward shared goals, manage success with humility, and face failure with perseverance. These experiences build leadership qualities, decision-making abilities, and self-confidence, which are essential for responsible citizenship.

At a societal level, sports encourage unity and social harmony by bringing people from diverse backgrounds together. They transcend barriers of caste, class, gender, and region, fostering a shared sense of identity and belonging. Thus, by nurturing well-rounded individuals and cohesive communities, sports serve as core instruments in building strong human capital and advancing the holistic national development envisioned under *Viksit Bharat 2047*.

2. Public Health and Preventive Care:

Sports play a crucial role in strengthening public health and promoting preventive care, which is essential for achieving the goals of *Viksit Bharat 2047*. Regular participation in sports and physical activities helps prevent lifestyle related diseases such as diabetes, obesity, cardiovascular disorders, hypertension, and stress related illnesses. In modern society, sedentary lifestyles and unhealthy habits have increased the burden of non-communicable diseases, placing immense pressure on healthcare systems. Sports act as an effective, low-cost preventive mechanism by encouraging physical fitness, mental relaxation, and balanced living.

Initiatives such as the *Fit India Movement* promote daily physical activity and awareness about healthy lifestyles among citizens of all age groups. Similarly, *Khelo India* encourages mass participation in sports, especially among children and youth, fostering a culture of fitness from an early age. A healthier population not only reduces long-term healthcare expenditure but also enhances work efficiency, productivity, and overall quality of life. Thus, sports based preventive care significantly contributes to national well-being and sustainable development.

3. Youth Development and Demographic Dividend:

India's large youth population represents a significant demographic dividend that can drive national progress if properly guided. Sports play a vital role in channeling youthful energy into constructive and disciplined activities. Through regular participation in sports, young people develop essential life skills such as teamwork, leadership, cooperation, self-discipline, and emotional balance. Sports also help youth manage stress, build resilience, and cultivate a healthy competitive spirit, which are crucial for personal growth and social responsibility.

Initiatives such as the *Khelo India Youth Games* and inter-university sports competitions provide structured platforms for identifying sporting talent at an early stage. These programs encourage students to balance academic pursuits with physical development, promoting holistic education. Participation in competitive sports also instills confidence and a sense of purpose among youth. By nurturing physically fit, mentally strong, and socially responsible young citizens, sports ensure that India's demographic dividend becomes a national asset rather than a challenge, contributing effectively to the goals of *Viksit Bharat 2047*.

4. Women's Empowerment through Sports:

Sports play a transformative role in empowering women and challenging deep-rooted gender stereotypes in society. Traditionally, women's participation in sports was limited due to social norms, lack of facilities, and restricted opportunities. However, sports have emerged as a powerful platform for redefining women's roles and capabilities. Participation in sports builds physical strength, self-confidence, decision-making ability, and leadership skills among women, enabling them to assert their identity in both personal and public spheres.

The achievements of athletes such as P. T. Usha, Mary Kom, P. V. Sindhu, Saina Nehwal, Mirabai Chanu, and Smriti Mandhana have played a crucial role in transforming societal attitudes. Their national and international successes have inspired millions of girls to pursue sports as a career and a means of self-expression. These role models demonstrate that women can excel on global platforms, promoting gender equality, empowerment, and leadership. Thus, women's participation in sports directly supports inclusive development and the vision of *Viksit Bharat 2047*.

5. Sports as a Tool of Social Inclusion:

Sports serve as a powerful tool of social inclusion by providing equal opportunities to individuals from rural, tribal, and economically weaker sections of society. Unlike many other fields, sports often recognize talent beyond social, economic, or regional barriers. For many marginalized youths, sports become a pathway to upward mobility, self-respect, and social recognition. Participation in sports instills confidence, discipline, and a sense of achievement, enabling individuals to overcome social disadvantages.

Numerous Indian athletes from modest backgrounds have reached national and international platforms, demonstrating that sports can transcend caste, class, gender, and region. Their success stories inspire young people from similar backgrounds to dream beyond limitations. Government initiatives such as sports scholarships, residential sports hostels, and training centers in rural and tribal areas further democratize access to sports facilities and professional coaching. By creating inclusive opportunities and promoting equality, sports strengthen social cohesion and reinforce the constitutional values of justice and equal opportunity, contributing to the inclusive vision of *Viksit Bharat 2047*.

6. Sports Economy and Employment Generation:

The sports sector has emerged as a significant contributor to economic growth and employment generation in India. Beyond athletes, sports create diverse career opportunities in areas such as coaching, sports science, physiotherapy, fitness training, nutrition, event management, media, marketing, broadcasting, and sports tourism. The



expansion of sports infrastructure, stadiums, and training academies further generates skilled and unskilled employment, supporting local and national economies.

Professional sports leagues have played a transformative role in this process. Leagues such as the Indian Premier League (IPL), Pro Kabaddi League, Indian Super League (football), and the Women's Premier League have turned sports into viable professional careers. They attract domestic and international investment, generate substantial revenue, and create employment across multiple sectors. Additionally, these leagues enhance India's global visibility and soft power by showcasing sporting talent and organizational capacity. Thus, the sports economy not only strengthens livelihoods but also supports sustainable national development under the vision of Viksit Bharat 2047.

7. National Integration and Unity:

Sports play a vital role in fostering national integration and unity by bringing together people from diverse linguistic, cultural, and regional backgrounds under a shared sense of identity. In a country as diverse as India, sports serve as a unifying force that transcends social differences and promotes collective belonging. Sporting events create common emotional experiences, where citizens celebrate victories and share disappointments as one nation.

India's performances in international competitions such as the Olympics, Asian Games, and Commonwealth Games evoke immense national pride and patriotism. Athletes representing the country symbolize unity, resilience, and collective aspiration. Their achievements inspire citizens across regions and communities, strengthening emotional bonds with the nation. Sporting success also enhances national morale and reinforces a positive national image. By nurturing shared pride and solidarity, sports contribute significantly to social cohesion and national integration, which are essential foundations for achieving the vision of Viksit Bharat 2047.

8. Role of Education and Sports Integration:

Education systems play a vital role in embedding sports into the broader framework of national development. The National Education Policy 2020 emphasizes holistic education that integrates physical education, sports, health, and well-being alongside academic learning. Such an approach recognizes that true education involves the balanced development of mind and body. By incorporating sports into school and college curricula, institutions can nurture physical fitness, mental resilience, teamwork, and discipline among students.

Regular participation in sports during the formative years helps inculcate lifelong fitness habits and a positive attitude toward health and well-being. Sports based learning also enhances concentration, emotional intelligence, and social skills, which support overall academic performance. When education systems treat sports not as optional extracurricular activities but as essential components of learning, they contribute to healthier and more productive citizens. Thus, integrating sports within education is a strategic investment in human capital and plays a crucial role in realizing the holistic development goals of Viksit Bharat 2047.

9. Character Building and Ethical Values:

Sports play a significant role in character building and the development of ethical values, which are essential for responsible citizenship and a healthy democracy. Through participation in sports, individuals learn the importance of fairness, honesty, discipline, and respect for rules and opponents. Athletes are trained to follow regulations, accept decisions, and compete with integrity, fostering a strong sense of ethical conduct.

Sports also cultivate perseverance and resilience by teaching individuals to face challenges, overcome failures, and strive for continuous improvement. The experience of winning and losing helps develop emotional maturity, patience, and humility. Team sports, in particular, encourage cooperation, mutual respect, and collective responsibility. These values extend beyond the playing field and influence behavior in social, professional, and civic life. Citizens shaped by sporting values are more likely to engage constructively in democratic processes, respect diversity, and uphold ethical standards. Thus, sports contribute significantly to building morally grounded individuals who strengthen the social and democratic foundations of Viksit Bharat 2047.

10. Sports Diplomacy and Global Image:

At the global level, sports function as powerful instruments of diplomacy by fostering cultural exchange, mutual understanding, and international cooperation. Sports transcend political and cultural boundaries, creating platforms where nations interact through shared values of fairness, respect, and excellence. For India, active participation and success in international sporting events enhance its visibility and credibility on the world stage.

Hosting global and regional tournaments demonstrates India's organizational capacity, infrastructure development, and cultural hospitality. Similarly, strong performances by Indian athletes in events such as the Olympics, Commonwealth Games, and Asian Games project India as a confident, capable, and progressive nation. Sports diplomacy also promotes people to people connections, strengthens bilateral relations, and builds goodwill among nations. As India aspires to a larger role in global governance by 2047, sports complement economic and political diplomacy by shaping positive perceptions and soft power. Thus, sports significantly contribute to strengthening India's global image and international influence.

11. Environmental Sustainability and Sports:

Environmental sustainability has emerged as an important dimension of sports development in the contemporary world. Eco-friendly stadiums, sustainable sports infrastructure, and environmentally responsible sporting events help reduce the ecological footprint while promoting environmental awareness among athletes and spectators.



The use of renewable energy, rainwater harvesting, waste segregation, and energy efficient lighting in sports facilities reflects a commitment to sustainable practices.

Sports events also provide a powerful platform to spread awareness about climate change and environmental protection, as they reach large and diverse audiences. Promoting outdoor and nature-based sports further encourages respect for the natural environment. By integrating sustainability into sports planning and management, India can align sports development with its broader climate commitments and sustainable development goals. Such initiatives ensure that sports contribute not only to physical and social well-being but also to ecological responsibility. In this way, environmentally sustainable sports practices support the long-term vision of Viksit Bharat 2047 by balancing development with environmental protection.

Conclusion:

Sports play a transformative and multidimensional role in realizing the vision of Viksit Bharat 2047 by strengthening physical health, mental well-being, social inclusion, and national unity. The progress of a nation is deeply linked to the quality of its human capital, and sports contribute significantly by nurturing healthy, disciplined, and empowered citizens from an early age. Regular participation in sports builds physical fitness, emotional resilience, ethical values, and a sense of responsibility, all of which are essential for sustainable national development.

By promoting youth engagement, sports channel energy into constructive pathways, while women's participation in sports advances gender equality and leadership. The expanding sports economy generates employment opportunities and supports livelihoods, further contributing to economic growth. Sports also foster social cohesion by bridging divisions of caste, class, region, and gender, thereby strengthening national integration. On the global stage, sporting achievements and sports diplomacy enhance India's international image and soft power.

Integrating sports into education systems, community initiatives, and national policies ensures holistic development that goes beyond economic indicators. Therefore, sports should be recognized not merely as recreational pursuits but as strategic instruments of nation-building. Sustained investment in sports culture is essential for creating a healthy, confident, resilient, and globally respected India aligned with the long-term goals of Viksit Bharat 2047.

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Viksit Bharat 2047: Economic Strategies for a Developed Nation.

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Viksit Bharat 2047 envisions transforming India into a developed, inclusive, and globally competitive economy by the centenary of Independence. The economic strategy underlying this vision focuses on sustained high growth, structural transformation, and social equity. It emphasizes industrial modernization, infrastructure expansion, digitalization, human capital development, and innovational growth. Inclusive development through employment generation, MSME support, and financial inclusion is central to ensuring that economic progress benefits all sections of society. Fiscal discipline, macroeconomic stability, and reforms in taxation, labor, and land aim to improve ease of doing business and attract investment. The vision also prioritizes green growth, renewable energy, and climate resilient development to balance prosperity with sustainability. By integrating technology, skills, entrepreneurship, and global trade engagement, Viksit Bharat 2047 seeks to shift India from a developing economy to a high-income nation. Economic growth is thus aligned with social justice, environmental responsibility, and long-term national resilience.

Key Words: Economic Growth, Industrialization, Infrastructure, Digital Economy, Human Capital, Inclusive Development, Sustainability, Innovation, Global Competitiveness.

Introduction:

Viksit Bharat 2047 presents a comprehensive and forward-looking economic roadmap aimed at transforming India into a developed nation by the centenary year of its Independence. The vision goes beyond the pursuit of rapid economic growth to emphasize inclusiveness, sustainability, and long-term resilience. It recognizes that development must be broad based, ensuring that the benefits of growth reach all sections of society while reducing regional and social disparities. The economic strategy focuses on deep structural reforms to improve productivity, strengthen institutions, and enhance ease of doing business. Technological advancement and digital transformation are identified as key drivers of efficiency, innovation, and global competitiveness. Equally important is the emphasis on human capital development through quality education, skill enhancement, and accessible healthcare, which together form the foundation of a high-productivity economy. Global integration through trade, investment, and participation in global value chains further supports growth and innovation. By aligning economic progress with social welfare objectives and environmental responsibility, Viksit Bharat 2047 seeks to ensure long-term prosperity, improved quality of life, and a resilient economy capable of meeting future challenges. .

1.Sustained High Economic Growth and Macroeconomic Stability:

Achieving developed nation status by 2047 requires India to sustain high and stable economic growth over an extended period. Viksit Bharat 2047 places strong emphasis on macroeconomic stability as the foundation of long-term development. Prudent fiscal management, controlled inflation, and a resilient financial system are essential to maintaining economic balance and investor confidence. Fiscal discipline ensures that public debt remains sustainable while still enabling adequate public expenditure on critical sectors such as infrastructure, education, healthcare, and social welfare.



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Measures such as rationalization of subsidies, improved targeting of welfare schemes, and enhanced tax compliance through digital platforms strengthen government revenues and improve fiscal efficiency. A stable macroeconomic environment reduces uncertainty, minimizes economic volatility, and supports effective long-term planning by both the public and private sectors. By maintaining stability alongside growth, Viksit Bharat 2047 aims to create a robust economic foundation that encourages investment, supports employment generation, and ensures resilience against global economic shocks, thereby sustaining India's development momentum.

2. Industrial Transformation and Manufacturing Growth:

Industrial transformation and manufacturing growth form a central pillar of the economic strategy under Viksit Bharat 2047. Industrialization is recognized as a key driver of sustained economic growth, large-scale employment generation, and technological advancement. The vision focuses on expanding manufacturing capacity, improving productivity, and enhancing competitiveness by integrating Indian industries into global value chains. A strong manufacturing base reduces dependence on imports, strengthens exports, and contributes to economic resilience.

Policies encouraging domestic manufacturing emphasize technological upgradation, innovation, and skill development to move from low value production to high value-added manufacturing. Improving ease of doing business, simplifying regulatory frameworks, and strengthening supply chains are essential components of this strategy. Raising manufacturing's share in GDP is seen as critical for achieving developed-nation status.

Targeted initiatives in sectors such as electronics, automobiles, pharmaceuticals, and defense manufacturing illustrate India's shift toward advanced and technology intensive production. These sectors not only generate employment but also promote research, innovation, and export competitiveness. Industrial corridors, special economic zones, and dedicated manufacturing clusters support regional industrial development by providing infrastructure, logistics, and policy incentives. Such spatial planning helps reduce regional disparities while creating integrated industrial ecosystems.

Through industrial transformation, Viksit Bharat 2047 seeks to build a globally competitive manufacturing sector that drives economic growth, enhances productivity, and provides quality employment, thereby laying a strong foundation for India's emergence as a developed and self-reliant nation.

3. Infrastructure Development as a Growth Multiplier:

Robust infrastructure is a critical foundation for economic efficiency, productivity, and global competitiveness, making it a central priority of Viksit Bharat 2047. The vision recognizes infrastructure as a powerful growth multiplier that enhances connectivity, reduces costs, and supports inclusive development. Large scale investments are directed toward transport networks, logistics systems, energy supply, urban infrastructure, and digital connectivity to strengthen the overall economic ecosystem. Improved highways, modern ports, expanded railways, and efficient airports significantly reduce transaction and transportation costs, enabling faster movement of goods, services, and people while improving market access for businesses across regions.

Modernization of logistics infrastructure plays a vital role in improving supply chain efficiency, directly benefiting key sectors such as agriculture, manufacturing, and exports. Efficient warehousing, cold storage facilities, and integrated logistics parks help minimize post-harvest losses, support industrial distribution, and enhance export competitiveness. In the energy sector, a reliable power supply is essential for industrial productivity and economic stability. Investments in renewable energy infrastructure, including solar and wind power, not only ensure energy security but also support sustainability and climate commitments.

Urban infrastructure development, including public transport, housing, water supply, and sanitation, improves quality of life and enhances urban productivity. Digital infrastructure further supports innovation and service delivery. Through comprehensive infrastructure development, Vision 2047 aims to create a seamless, efficient, and sustainable foundation that accelerates economic growth and strengthens India's long-term development trajectory.

4. Digital Economy and Technological Innovation:

The digital economy is a powerful driver of productivity, innovation, and inclusion in Viksit Bharat 2047. Digital platforms significantly enhance service delivery, financial inclusion, and business efficiency by reducing transaction costs and increasing accessibility. Widespread adoption of technologies such as artificial intelligence, big data analytics, and automation improves competitiveness across sectors including manufacturing, agriculture, healthcare, and services. These technologies enable data-driven decision-making, process optimization, and the creation of high value products and services.

Digital payment systems play a transformative role by integrating millions of citizens and small businesses into the formal economy, improving transparency and financial access. Similarly, e-commerce platforms expand market access for small producers, artisans, and entrepreneurs, allowing them to reach national and global consumers. Innovation ecosystems supported by startups, incubators, and research institutions foster creativity, technological advancement, and new business models. By promoting digital innovation, Vision 2047 seeks to generate employment, enhance productivity, and position India as a globally competitive digital economy.

5. Human Capital Development and Skill Enhancement:

Human capital development and skill enhancement are central to achieving sustained economic growth under Viksit Bharat 2047. A skilled, educated, and healthy workforce is essential for improving productivity, innovation, and



global competitiveness. The vision emphasizes increased investment in education, healthcare, and skill development to enhance employability and workforce quality. Education reforms focus on improving learning outcomes, promoting critical thinking, and aligning curricula with evolving industry requirements. Greater emphasis is placed on science, technology, engineering, and emerging digital skills to prepare the workforce for future economic demands.

Skill development programs prioritize practical training, reskilling, and upskilling, particularly in emerging technologies such as artificial intelligence, renewable energy, and advanced manufacturing. Vocational education linked with industry apprenticeships enhances job readiness by providing hands on experience and industry exposure. Improved access to quality healthcare increases labor participation, reduces productivity losses due to illness, and enhances overall workforce efficiency. By strengthening human capital, Vision 2047 aims to create a resilient, adaptable, and globally competitive workforce capable of driving inclusive and sustainable economic growth.

6. Inclusive Growth and Employment Generation:

Inclusive growth and employment generation are core objectives of Viksit Bharat 2047, ensuring that economic development leads to broad-based prosperity. The vision emphasizes the creation of quality employment opportunities, poverty reduction, and strengthened social security systems so that all sections of society benefit from economic progress. Special focus is placed on supporting micro, small, and medium enterprises (MSMEs), which are vital engines of entrepreneurship, innovation, and local employment generation. By improving access to finance, technology, and markets, MSMEs contribute significantly to income growth and regional development.

Financial inclusion initiatives expand access to banking, credit, and digital financial services for marginalized and underserved communities, enabling economic participation and self-reliance. Targeted welfare schemes and social protection measures support vulnerable populations, reducing inequality and economic insecurity. Inclusive growth also strengthens social cohesion and expands domestic demand, which in turn sustains economic momentum. Through an inclusive development approach, Vision 2047 seeks to build a more equitable, resilient, and people centric economy.

7. Agricultural Modernization and Rural Development:

Agricultural modernization and rural development are essential for achieving balanced and inclusive growth under Viksit Bharat 2047. The vision recognizes agriculture as a key livelihood sector and focuses on increasing farm productivity, improving income security, and enhancing sustainability. Technological adoption, including precision farming, digital advisory services, and improved seed and irrigation practices, plays a crucial role in raising agricultural efficiency. Expansion of irrigation infrastructure reduces dependence on monsoons and stabilizes farm output.

Vision 2047 also emphasizes diversification toward high-value crops, horticulture, dairy, and allied activities, along with strengthening agri value chains through better storage, processing, and marketing facilities. Digital platforms connecting farmers directly to markets improve price realization and reduce intermediaries. Growth of food processing industries adds value to agricultural produce and creates rural employment. Improved rural infrastructure and promotion of non-farm employment opportunities help reduce migration pressures, address regional disparities, and support sustainable rural livelihoods.

8. Green Growth and Sustainable Development:

Green growth and sustainable development are defining pillars of the economic strategy under Viksit Bharat 2047. The vision recognizes that long term prosperity must be achieved without compromising environmental integrity. Transitioning toward renewable energy, improving energy efficiency, and adopting sustainable production and consumption practices help balance economic growth with environmental protection. Investments in solar, wind, and other clean energy sources reduce dependence on fossil fuels, enhance energy security, and support climate commitments.

Green technologies also create new industries and employment opportunities in areas such as renewable energy manufacturing, electric mobility, waste management, and sustainable agriculture. Vision 2047 further emphasizes sustainable urban planning, including energy efficient buildings, public transport systems, and green spaces, to reduce environmental stress in rapidly growing cities. Climate resilient infrastructure strengthens the economy's ability to withstand environmental shocks and natural disasters. By integrating sustainability into development planning, Vision 2047 aims to ensure economic resilience, environmental responsibility, and improved quality of life for present and future generations.

Conclusion:

The economic vision of Viksit Bharat 2047 presents a holistic and forward-looking strategy for transforming India into a developed nation characterized by prosperity, inclusiveness, and sustainability. By emphasizing sustained high economic growth, industrial transformation, and large-scale infrastructure expansion, the vision seeks to strengthen productivity and enhance India's global competitiveness. Technological innovation and the digital economy are positioned as key drivers of efficiency, entrepreneurship, and modernization across sectors.

Equally important is the focus on human capital development through quality education, skill enhancement, and accessible healthcare, ensuring that economic growth translates into improved employability and higher living standards. Inclusive growth strategies, including employment generation, MSME support, and financial inclusion, ensure that the benefits of development reach all sections of society. Agricultural modernization and rural development promote balanced regional growth and improve farmer incomes, reducing inequalities and migration pressures.



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Green growth and sustainable development form the ethical and strategic backbone of Vision 2047, balancing economic expansion with environmental responsibility. Strengthening the financial sector and deepening global integration further enhance resilience and investment capacity. Ultimately, the economic strategies of Viksit Bharat 2047 aim not merely to increase income levels but to improve overall quality of life, promote social equity, and ensure environmental sustainability. Through coordinated reforms and strategic investments, India's path to development by 2047 is envisioned as balanced, resilient, and people centric.

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Original Article

Democracy and Development: The Political Foundations of Vision 2047.

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Abstract

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The vision of Viksit Bharat 2047 rests firmly on the foundations of democracy, constitutional values, and inclusive governance. Democracy is not only a political system but a driving force of development that ensures participation, accountability, and social justice. India's democratic framework has enabled peaceful political transitions, protection of fundamental rights, and representation of diverse social groups. Through decentralization, electoral processes, and institutional reforms, democracy facilitates people-centric development and responsive governance. Initiatives such as local self-government, digital governance, and transparency mechanisms strengthen democratic participation and developmental outcomes. Democracy also promotes equality, rule of law, and policy stability, which are essential for economic growth and social cohesion. In the context of Vision 2047, democratic institutions provide the legitimacy and resilience required to address challenges such as inequality, sustainability, and global competition. Thus, democracy emerges as the political backbone of India's developmental journey, enabling a balanced, inclusive, and sustainable path toward becoming a developed nation by 2047.

Key Words: Democracy, Development, Governance, Constitution, Participation, Decentralization, Rule of Law, Inclusive Growth, Political Institutions

Introduction:

Vision 2047 envisions India as a developed, inclusive, and globally influential nation built on strong political and institutional foundations. Achieving this ambitious goal requires a governance framework rooted in democratic values, constitutional morality, and accountability. Democracy in India is not merely a system of periodic elections; it is a living process that enables citizens to participate actively in decision making and development processes. Through democratic institutions, people express their aspirations, influence public policy, and hold governments accountable.

By ensuring equality, justice, and political representation, democracy promotes social harmony and inclusive growth. It creates space for diverse voices, protects fundamental rights, and strengthens the rule of law, all of which are essential for sustainable development. Democratic governance also enhances policy legitimacy and long-term stability, encouraging economic progress and social trust. In India's journey toward Vision 2047, democracy thus acts as a catalyst that aligns development with human dignity, equity, and collective participation, ensuring that national progress benefits all sections of society.

1. Democracy as the Basis of Inclusive Development:

Democracy forms the foundation of inclusive and people centric development by empowering citizens to actively participate in governance. Through universal adult franchise, democracy ensures that every individual, regardless of caste, class, gender, or region, has an equal voice in the political process. This participation enables diverse social groups to articulate their needs, concerns, and aspirations, thereby influencing policy-making and development priorities.

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Democratic systems create mechanisms through which public demands are translated into welfare measures and social justice policies. Programs addressing poverty alleviation, food security, education, healthcare, and employment often emerge as responses to democratic pressure and electoral accountability. For example, targeted welfare schemes and affirmative action policies aim to reduce caste-based inequalities and bridge regional imbalances. By allowing citizens to question, participate, and hold governments accountable, democracy ensures that development benefits reach marginalized sections of society. Thus, democracy not only promotes economic growth but also ensures equity, social justice, and inclusive progress, which are essential for achieving the vision of a developed India by 2047.

2. Constitutional Values and Nation-Building:

India's Constitution provides the moral and legal foundation for nation building by enshrining the core values of justice, liberty, equality, and fraternity. These principles shape the character of the Indian state and guide its developmental vision. Justice ensures fairness in social, economic, and political life, while liberty protects individual freedoms of thought, expression, belief, and action. Equality guarantees equal opportunities and protection before the law, and fraternity promotes social harmony and national unity in a diverse society.

The Fundamental Rights empower citizens by safeguarding their freedoms and dignity, enabling active participation in democratic life. At the same time, the Directive Principles of State Policy guide governments in pursuing social welfare, reducing inequalities, and promoting equitable growth through education, healthcare, employment, and social security. Together, these constitutional provisions balance rights with responsibilities. By anchoring development in constitutional values, India ensures that progress remains inclusive, humane, and ethically grounded, strengthening the foundations of a just and developed nation on the path to Vision 2047.

3. Decentralization and Grassroots Democracy:

India's Constitution forms the moral and legal foundation of nation-building by enshrining the core values of justice, liberty, equality, and fraternity. These principles define the character of the Indian state and guide its long-term developmental vision. Justice ensures fairness across social, economic, and political spheres, while liberty safeguards individual freedoms of thought, expression, belief, and action. Equality guarantees equal opportunity and protection before the law, and fraternity nurtures social harmony and national unity within India's diverse society.

The Fundamental Rights empower citizens by protecting dignity and freedoms, enabling meaningful participation in democratic life. Complementing these, the Directive Principles of State Policy guide governments toward social welfare, reduction of inequalities, and equitable growth through education, healthcare, employment, and social security. Together, these constitutional provisions balance individual rights with collective responsibilities. By grounding development in constitutional values, India ensures that progress remains inclusive, humane, and ethically anchored, thereby strengthening the foundations of a just, democratic, and developed nation on the path to Vision 2047.

4. Democratic Institutions and Rule of Law:

India's Constitution stands as the moral and legal cornerstone of nation building by embodying the fundamental values of justice, liberty, equality, and fraternity. These principles shape the nature of the Indian state and provide direction to its long-term developmental goals. Justice promotes fairness in social, economic, and political life, while liberty protects individual freedoms of thought, expression, belief, and action. Equality ensures equal opportunity and protection before the law for all citizens, and fraternity fosters social harmony and unity within India's plural and diverse society.

The Fundamental Rights strengthen democracy by safeguarding human dignity and civil liberties, enabling citizens to participate actively in public life. Alongside these, the Directive Principles of State Policy guide governments in advancing social welfare, reducing inequalities, and promoting equitable development through education, healthcare, employment, and social security. Together, these constitutional provisions balance individual rights with collective responsibilities. By anchoring development in constitutional values, India ensures humane, inclusive, and ethical progress, reinforcing the foundations of a just, democratic, and developed nation on the path to Vision 2047.

5. Democracy and Economic Development:

Democracy and economic development are closely interconnected, as democratic governance provides the political stability, transparency, and accountability necessary for sustained growth. In a democratic system, the rule of law, protection of property rights, and independent institutions create a secure environment that builds confidence among investors, entrepreneurs, and businesses. Transparent policymaking and open public debate reduce uncertainty and encourage innovation, investment, and long-term planning.

Democracy also ensures that economic development is inclusive and people centric. Through elections and representative institutions, citizens influence economic priorities and demand policies that address employment, poverty reduction, education, and healthcare. Economic reforms debated in legislatures gain greater legitimacy and public acceptance, making them more sustainable over time. Moreover, democratic accountability enables citizens to monitor government performance and correct policy failures. By balancing economic growth with social justice and equity, democracy ensures that development benefits reach wider sections of society. Thus, democracy acts not only as a political system but also as a strong foundation for inclusive, stable, and sustainable economic development.

6. Social Justice and Political Representation:



Social justice and political representation are fundamental pillars of a healthy democracy and inclusive development. Social justice seeks to ensure fairness, equality, and dignity for all sections of society, especially marginalized and disadvantaged groups. Political representation plays a crucial role in achieving this goal by giving voice to diverse social, economic, and cultural communities within decision-making processes. When women, Scheduled Castes, Scheduled Tribes, minorities, and other underrepresented groups participate in political institutions, their concerns and lived experiences influence public policies and governance.

Democratic mechanisms such as reservations, affirmative action, and inclusive electoral practices help correct historical injustices and structural inequalities. Political representation enables the formulation of laws and welfare policies related to education, employment, healthcare, and social security that promote equity. It also strengthens trust in democratic institutions and enhances social cohesion. By linking social justice with meaningful political participation, democracy ensures that development is not limited to a privileged few but reaches all citizens, thereby strengthening the foundations of an inclusive and equitable society.

7. Digital Democracy and Governance Reforms:

Digital democracy and governance reforms have transformed the way citizens interact with the state, making governance more transparent, efficient, and participatory. The use of digital technologies enables governments to deliver services faster, reduce bureaucratic delays, and minimize corruption. E-governance platforms allow citizens to access information, apply for services, and track grievances from anywhere, strengthening trust in public institutions.

Digital tools also expand democratic participation by creating new channels for citizen feedback, consultation, and engagement. Online portals, mobile applications, and social media platforms facilitate direct communication between governments and the public. Reforms such as digital identity systems, online service delivery, and open data initiatives enhance accountability and inclusiveness. By improving access, responsiveness, and transparency, digital democracy empowers citizens and strengthens democratic governance. In India's journey toward Vision 2047, digital governance reforms play a vital role in making democracy more accessible, responsive, and people centric, thereby supporting inclusive development and effective public administration.

8. Democracy, Dissent, and Accountability:

Democracy, dissent, and accountability are deeply interconnected elements that strengthen the functioning of a democratic system. Democracy provides citizens the freedom to express opinions, question authority, and participate in public discourse. Dissent, when expressed peacefully, acts as a vital democratic tool that allows individuals and groups to challenge policies, highlight injustices, and offer alternative viewpoints. It helps prevent the concentration of power and encourages continuous improvement in governance.

Accountability ensures that those in power are answerable to the people for their actions and decisions. Democratic institutions such as legislatures, an independent judiciary, media, and civil society organizations play a crucial role in holding governments accountable. Elections further enable citizens to reward or penalize leaders based on performance. Together, dissent and accountability enhance transparency, protect rights, and promote responsible governance. By encouraging debate, criticism, and oversight, democracy ensures that governance remains responsive, ethical, and aligned with public interest, which is essential for sustainable development and social trust.

9. India's Democratic Model and Global Image:

India's democratic model plays a significant role in shaping its global image as a resilient, pluralistic, and responsible nation. As the world's largest democracy, India demonstrates that democratic governance can function effectively within immense social, cultural, linguistic, and religious diversity. Regular, free, and fair elections, peaceful transfers of power, and a vibrant civil society strengthen India's credibility on the global stage.

India's commitment to constitutional values such as liberty, equality, secularism, and rule of law enhances its moral authority in international affairs. Democratic institutions, an independent judiciary, and a free press contribute to transparency and accountability, reinforcing global trust. India's democratic experience also enables it to engage constructively with other nations on issues of governance, human rights, and inclusive development. This democratic credibility enhances India's soft power and leadership role in global forums. In the journey toward Vision 2047, India's democratic model strengthens its international standing as a stable, ethical, and influential global partner.

Conclusion:

Democracy forms the political foundation of Vision 2047 by ensuring that development in India remains inclusive, accountable, and sustainable. India's democratic framework enables active citizen participation in governance, protects fundamental rights, and promotes equitable distribution of opportunities across diverse social groups. Constitutional values such as justice, liberty, equality, and fraternity guide public policy and state action, ensuring that growth is aligned with human dignity and social welfare. Strong democratic institutions, including the legislature, judiciary, and independent constitutional bodies, uphold the rule of law and provide political stability essential for long-term development.

Decentralization through Panchayati Raj institutions and urban local bodies deepens democracy at the grassroots level, making development more responsive to local needs. Social justice measures and affirmative action policies address historical inequalities, while digital governance reforms enhance transparency, efficiency, and citizen engagement. Together, these mechanisms strengthen democratic practice and improve developmental outcomes.



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Democracy also enhances India's global standing by projecting an image of stability, pluralism, and ethical governance. As India aspires to become a developed nation by 2047, democracy ensures that progress is not confined to economic indicators alone but extends to social cohesion, equality, and human well-being. Therefore, continuously strengthening democratic institutions and values is essential for building a prosperous, just, and resilient India aligned with the vision of Viksit Bharat 2047.

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Original Article

AI-Driven Knowledge Management: A Framework for Intelligent Library Systems in Viksit Bharat 2047

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India's national vision of **Viksit Bharat 2047** aims to transform the country into a self-reliant, inclusive, technology-enabled, and globally competitive knowledge economy by the centenary of Independence. In this transformation, libraries must evolve from conventional storehouses of print materials into intelligent, AI-powered knowledge ecosystems that enable equitable access to learning resources, research support, cultural preservation, and community empowerment. Traditional Library Management Systems (LMS) have played a foundational role in cataloging and circulation, but they often lack the capacity to handle multilingual user demands, unstructured digital content, rapid growth of scholarly data, and user-centered knowledge discovery. This research paper proposes a comprehensive framework titled the "**Vidya-Grid Architecture**" for building **Intelligent Library Systems (ILS)** across India. The framework is structured into four interdependent layers: **Infrastructure & Connectivity, AI & Knowledge Processing, User-Centric Services, and Cultural & Ethical Governance**. The paper discusses practical applications such as multilingual NLP search, smart metadata generation, predictive collection planning, AI-based research assistants, chatbot reference services, immersive learning through AR/VR, and large-scale digitization of Indian Knowledge System (IKS) resources. It also addresses core challenges including the digital divide, privacy compliance, algorithmic bias, and skill gaps in LIS professionals. Recent policy momentum such as **NEP 2020**, the **National Digital Library of India (NDLI)** ecosystem, and the **National Mission on Libraries (NML)** provides a strong institutional foundation for implementing intelligent libraries at national scale. The paper concludes that intelligent libraries are not just a technological upgrade but a democratic necessity, enabling knowledge access as a right and supporting India's national growth goals through innovation, literacy, research excellence, and cultural continuity.

Keywords: Intelligent Library Systems, AI in Libraries, Knowledge Management, NLP, Multilingual Search, Digital Libraries, NEP 2020, Indian Knowledge System (IKS), Ethical AI.

Introduction:

The idea of a 'Developed Nation' is not limited to economic indicators alone. A truly developed society requires **knowledge equity**, meaning that every citizen regardless of geography, language, caste, gender, disability, or economic background can access learning opportunities and information resources. This is where libraries become central institutions for development. Historically, libraries supported literacy and academic growth, but in the 21st century they must also support **digital learning, research productivity, entrepreneurship, innovation culture, and heritage preservation**. India's **Viksit Bharat 2047** vision emphasizes economic growth, infrastructure development, technological upgradation, sustainability, and social empowerment. These goals depend heavily on how efficiently knowledge is produced, accessed, shared, and applied. A modern nation requires a 'Knowledge Grid' just like it needs electric grids, road networks, and digital connectivity. Libraries can serve as the **civilizational infrastructure of knowledge**, but only if they undergo a major transformation.

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Traditional Library Management Systems (LMS) were designed for a print-era workflow: acquisition → cataloging → circulation → reference. However, present-day information behavior has changed drastically. Users now expect **Google-like discovery**, multilingual interfaces, remote access, quick summaries, smart recommendations, and research support tools. At the same time, librarians are burdened with massive backlogs in cataloging, digitization, and metadata creation. The rise of Artificial Intelligence (AI) offers an opportunity to automate repetitive tasks and enhance the librarian's role as a **knowledge facilitator, digital curator, and community educator**.

Further, the **National Education Policy (NEP) 2020** emphasizes foundational learning, multilingualism, technology integration, and access-based equity areas that libraries can operationalize directly. With this policy alignment, intelligent libraries can become an essential instrument of **educational reform** and **national capability building**.

- Libraries as Knowledge Infrastructure for Viksit Bharat 2047:

In the vision of **Viksit Bharat 2047**, development is not only about roads, industries, and financial growth, but also about building a **knowledge-driven society**. In this context, libraries must function as national knowledge infrastructure, just like digital networks and public institutions. Traditionally, libraries were mainly used for issuing books and maintaining silent reading spaces. However, in the present era, libraries are expected to support **lifelong learning, innovation, research culture, employability skills, and digital inclusion**. For example, a district public library can become a 'Learning Hub' where students access online courses, researchers use e-journals, and citizens get government information services.

- **Need for AI-Based Knowledge Management in Libraries:**

Modern libraries face a major challenge: information has increased rapidly in digital form, and users need quick, accurate, and meaningful access. Manual cataloging, classification, and reference services cannot match the speed and complexity of today's data. This is why **AI-driven Knowledge Management (KM)** is necessary. AI helps libraries manage information more intelligently by organizing, filtering, summarizing, and recommending content. For example, instead of searching through multiple databases manually, a user can type a research question like "*Impact of climate change on Indian agriculture*" and an AI system can instantly suggest books, research papers, datasets, and even a brief summary of key findings.

- **The 'Vidya-Grid' Architecture as a National Library Model:**

The proposed **'Vidya-Grid'** architecture presents libraries as an interconnected system that works through multiple layers. It ensures that libraries are not isolated institutions but connected through technology and shared access platforms. This model supports resource sharing between universities, schools, and public libraries. For example, if a rural college library does not have a research journal subscription, it can still provide access through national digital integration. Such a network strengthens equal access and supports the national goal of 'Knowledge Democracy.'

- **Infrastructure and Connectivity Layer (Foundation of Smart Libraries):**

The first requirement for intelligent libraries is a strong infrastructure base such as **cloud storage, digitization centers, fast internet, and smart devices**. Cloud-based repositories allow libraries to store and share e-resources at a national level without physical limitations. IoT devices can improve library management through smart shelf tracking and environment control. For example, RFID technology can help track the location of books, reduce theft, and speed up issuing and returning. Similarly, humidity and temperature sensors can protect rare manuscripts from damage in archival sections.

- **AI and Knowledge Processing Layer (The Core Intelligence):**

The second layer is the heart of AI integration where knowledge is processed into useful formats. Through **Machine Learning**, libraries can automate cataloging, generate metadata, and classify content quickly. This reduces manual backlog and improves accuracy. For example, when a library receives 500 new books, AI can scan titles, contents, and keywords, and automatically assign subject categories such as Education, Psychology, History, or Computer Science. This allows librarians to focus on higher-level academic support rather than repetitive tasks.

- **Multilingual NLP-Based Search and Discovery System:**

India's diversity demands that library services must support **multilingual access**. Natural Language Processing (NLP) enables users to search in Indian languages like Marathi, Hindi, Tamil, Bengali, etc. and still find relevant content in English and other languages. This is essential for inclusive education under NEP 2020. For example, a student may search in Marathi: "*शिवाजी महाराजांचे प्रशासन*" and the AI system can provide Marathi books, Hindi research papers, and English articles on Shivaji's governance. This multilingual support reduces language barriers and strengthens equal learning opportunities.

- **Predictive Analytics for Collection Development and Planning:**

AI can help libraries plan resources using predictive analytics. This means the library can forecast which books or subjects will be in high demand and allocate budgets accordingly. For example, during competitive exam seasons, demand for books on General Studies, Indian Polity, and Current Affairs increases. AI can identify these trends based on borrowing history, online search patterns, and user behavior. This allows libraries to purchase the right materials in advance, avoid unnecessary spending, and improve overall user satisfaction.



- **User-Centric Service Layer (Smart Library Experience):**

The third layer focuses on improving user services through intelligent personalization. AI-based systems can recommend books, journals, and learning resources based on a user's academic background and interests. For example, a postgraduate student in Sociology may receive suggestions for research methods books, recent journal articles, and thesis writing guides automatically. Similarly, a school student might receive recommendations for storybooks, science activity books, and motivational biographies based on reading history. Such personalization transforms the library into an active learning partner.

- **AI Chatbots and Virtual Reference Assistants (24/7 Library Support):**

One of the strongest applications of AI in libraries is the use of **chatbots and virtual assistants**. These tools provide users with 24/7 support, which is especially useful when librarians are unavailable. A virtual assistant can answer queries about book availability, renewals, library timings, and even guide users for research resources. For example, if a student asks: "How do I find journals on women empowerment in India?" the chatbot can suggest databases, keywords, and a list of relevant journals instantly, making research faster and more efficient.

- **Immersive Learning through AR/VR and Virtual Museums:**

Future libraries in Viksit Bharat 2047 can become experiential learning centers through AR/VR technologies. Libraries can create **virtual museums, 3D learning experiences, and digital exhibitions**. For example, students can explore a VR model of ancient Nalanda University, watch 3D reconstructions of historical monuments, or experience digitized versions of rare manuscripts. This makes learning interactive and improves student engagement, especially in History, Archaeology, Science, and Culture education.

- **Integration of Indian Knowledge System (IKS) for Cultural Continuity:**

Libraries play a powerful role in preserving national heritage. Under intelligent systems, libraries can digitize and semantically tag **IKS-based resources** such as Ayurveda manuscripts, Vedic literature, folk traditions, and regional knowledge systems. For example, a digitized manuscript on herbal medicine from Maharashtra can be tagged with keywords like 'Ayurveda,' 'Botany,' 'Traditional Healing,' and 'Local Herbs.' This makes ancient knowledge searchable and globally accessible for research, helping India contribute culturally and intellectually to world scholarship.

- **Ethical AI, Privacy, and Academic Integrity:**

The use of AI also brings ethical responsibilities. Libraries handle sensitive user information such as reading patterns, research topics, and academic interests. Therefore, intelligent libraries must ensure **data privacy, transparency, fairness, and security**. AI recommendations should not become biased toward certain languages, communities, or ideologies. For example, if an AI system only promotes English resources, it will disadvantage regional language learners. Hence, libraries must adopt ethical AI frameworks with bias audits, privacy safeguards, and controlled data use to remain trusted educational institutions.

- **Mobile AI-Libraries and Rural Inclusion Strategy:**

To achieve inclusive development, intelligent libraries must reach rural and remote communities through **Mobile AI-Libraries**. These can be buses or vans equipped with digital devices, offline repositories, and portable Wi-Fi solutions. For example, in tribal regions where internet access is limited, mobile libraries can provide offline learning videos, e-books, and voice-based language support tools. This model ensures that rural citizens receive the same knowledge opportunities as urban users, helping reduce inequality.

- **Skill Development and AI Literacy for LIS Professionals:**

A major challenge is that many library professionals may not be trained in AI tools. Without capacity building, the digital transformation cannot succeed. Therefore, continuous training, workshops, and certification programs are essential. For example, librarians should be trained in digital cataloging, AI-based metadata tools, plagiarism software, database management, and cybersecurity basics. This also upgrades the librarian's professional identity from 'Book Manager' to 'knowledge manager and research facilitator.'

Conclusion:

In conclusion, AI-driven knowledge management is a transformative pathway for Indian libraries to achieve the national vision of **Viksit Bharat 2047**. By adopting the **Vidya-Grid framework**, libraries can become intelligent, inclusive, multilingual, and research-oriented knowledge hubs. AI can automate library operations, improve discovery services, support research, preserve cultural heritage, and provide 24/7 assistance. Most importantly, intelligent libraries will ensure that knowledge becomes accessible to every citizen, strengthening education, innovation, and national development. Therefore, smart libraries are not only a technological upgrade, but a powerful foundation for building a developed and knowledge-driven India.

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Original Article

Education for Creativity Development: A New Thought Stream in Modern Education

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The vision of Viksit Bharat 2047 requires India to shift from welfare-driven women's development toward women-led development, where girls grow into skilled, healthy, economically active citizens. The Beti Bachao Beti Padhao (BBBP) initiative (2015) represents a critical national intervention to correct gender imbalance and strengthen human capital. This paper evaluates BBBP as a long-term economic investment, not merely a social scheme, because improvements in survival, education, and health translate into higher workforce participation, productivity, and national income over time. Government data shows a measurable rise in Sex Ratio at Birth (SRB) from 918 (2014–15) to 930 (2023–24), increased girls' secondary Gross Enrolment Ratio (GER) from 75.51% to 78%, and a sharp rise in institutional deliveries from 61% to 97.3%. The study further connects these gains with rising female labour outcomes and argues that BBBP contributes to the foundational conditions needed to achieve a \$30 trillion economy by 2047.

Keywords: Human Capital, Sex Ratio at Birth, Girls' Education, Gender Dividend, Institutional Deliveries, Female Labour Force Participation, Economic Productivity Etc.

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Introduction:

India's national aspiration of becoming a fully developed country by 2047 demands more than rapid infrastructure expansion and digital transformation. At its core, development is driven by human capability the health, knowledge, skills, productivity, and participation of the people. In this context, gender equality is not only a moral goal or constitutional promise; it is also a decisive factor in economic performance. A nation where girls survive in equal numbers, study without barriers, and participate fully in the workforce gains a stronger labour supply, a higher-skilled population, improved family welfare, and more stable long-term growth. The **Beti Bachao Beti Padhao (BBBP)** initiative, launched in January 2015, was designed as a national response to the declining child sex ratio and persistent gender bias, particularly the preference for sons. Its design recognizes a life-cycle reality: the economic future of India depends on what happens at birth (survival), during adolescence (education and health), and in early adulthood (employment and skill utilization). Official government releases highlight that BBBP has contributed to an improved national **Sex Ratio at Birth (SRB) from 918 in 2014–15 to 930 (provisional) in 2023–24**, while also improving girls' secondary education outcomes and maternal health indicators. Although BBBP is often understood as a social campaign, its deeper significance lies in its long-term economic logic. When girls are saved, educated, and supported, they become future workers, entrepreneurs, professionals, and leaders thus creating a **gender dividend**. This dividend does not appear instantly; it builds over years like compounding interest, producing higher productivity and growth during the decades leading to 2047. Therefore, BBBP can be studied as an economic policy instrument that strengthens India's progress toward Viksit Bharat.

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Objectives of the Study:

This paper aims to:

1. Examine BBBP as a human-capital and economic-growth investment.
2. Analyze improvement in key indicators (SRB, girls' education, institutional deliveries).
3. Connect BBBP's outcomes to India's **Viksit Bharat 2047** economic vision.
4. Present a roadmap for maximizing BBBP's long-term returns through education-to-employment transition.

Methodology:

The present study adopts a **qualitative and analytical** approach using secondary sources such as government press releases, official statistical reports, and development literature. The analysis follows a **life-cycle human capital framework**, treating the girl child's survival, schooling, health, and employability as linked stages that shape long-term productivity and growth. Data used in the figures (charts) is drawn from authoritative sources including PIB releases on BBBP performance and the **Periodic Labour Force Survey (PLFS)** press note for labour indicators.

Limitations of the Study:

This paper is based on secondary data and national-level indicators rather than primary field surveys. Improvements in metrics such as SRB or GER do not automatically ensure job quality or equal wages, as employment outcomes depend on broader economic structure and policy execution. Nonetheless, the indicators provide strong evidence that BBBP is improving the foundational inputs of growth.

Conceptual Framework: BBBP as a Life-Cycle Economic Investment"

The economic case for BBBP can be explained through a life-cycle model. A girl child who is protected at birth and supported in school is more likely to become a healthy adult with employable skills. When she enters the labour force, she contributes to productivity and national income. Her economic empowerment also improves household decisions, health outcomes, and education investment for the next generation thus creating a multi-generational impact.

This long-term framework becomes especially relevant for Viksit Bharat 2047 because the girls born in the early years of BBBP (2015) will enter higher education and employment between **2035 and 2045**, which is the most crucial period for India to sustain growth and avoid the 'middle-income trap' while moving toward a high-income economy. The broader Viksit Bharat roadmap frequently references the ambition of a **\$30 trillion economy by 2047**, which depends on sustained growth and productivity expansion.

BBBP Outcomes and Their Long-Term Economic Returns:

1. Reversing Demographic Risk: The Survival Pillar:

One of the most serious structural risks to India's long-term development is demographic imbalance caused by gender bias. A skewed sex ratio is not just a social concern; it is also a future economic constraint. When fewer girls are born or survive, the future workforce becomes smaller and less balanced. Over time, demographic instability can increase social conflict, weaken family structures, and reduce the overall quality of human development.

BBBP's most visible achievement lies in the improvement of **Sex Ratio at Birth (SRB)**. Government data reported in PIB releases shows that SRB improved from **918 (2014–15) to 930 (2023–24)** at the national level. This improvement represents a shift in awareness, enforcement against gender-biased practices, and stronger community engagement. While the SRB gap is not fully eliminated, the upward trend indicates positive movement away from harmful gender norms. From an economic perspective, correcting demographic imbalance strengthens India's long-term labour market. It ensures that the country maintains a stable future pool of workers in sectors such as services, manufacturing, education, healthcare, public administration, and emerging digital industries. This is fundamental for 2047 because a large economy requires both scale and diversity in its workforce.

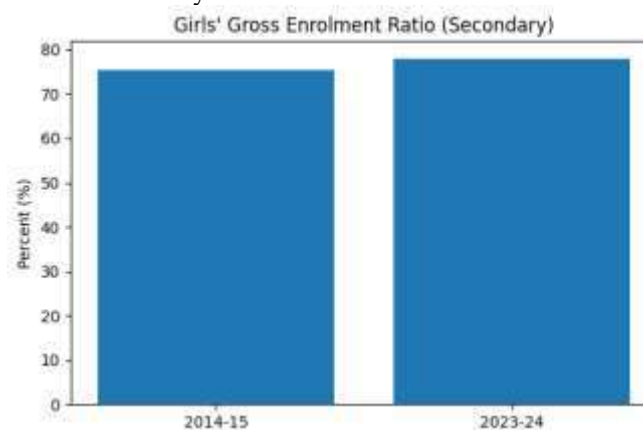


Figure 1 : above visually shows the rise from 918 to 930, demonstrating demographic improvement and long-term labour sustainability.

2 Girls' Education as Human Capital Formation: The 'Padhao' Factor:

Economic development depends heavily on educational expansion and skill quality. Education increases productivity, employment probability, income levels, innovation capacity, and social mobility. BBBP's Padhao pillar focuses on ensuring girls enter school, remain enrolled, and complete secondary education.

Official figures show that girls' **Gross Enrolment Ratio (GER) at secondary level** increased from **75.51% (2014–15)** to **78% (2023–24)**. This change matters because secondary education is closely linked to skill readiness, employability, and higher educational pathways. At India's scale, even a small percentage increase translates into millions of girls remaining in formal education creating a larger pool of skilled citizens for future growth. The economic effect of girls' education is well-established. When girls complete more schooling, they tend to earn higher wages, participate in the workforce at higher rates, and take more informed household decisions. This strengthens domestic consumption, raises savings, improves nutrition outcomes, and expands the overall productivity of the economy. BBBP's educational gains, therefore, should be viewed not simply as social progress but as human capital strengthening. The connection to Viksit Bharat 2047 becomes clearer when we considers timing. Girls who remain in secondary school today will become young adults in the 2030s. If they continue into higher education, technical skills, and professional training, they will enter India's labour force during the period when the economy must expand rapidly to reach the 2047 target. Thus, girls' education becomes a pipeline into the future workforce, directly supporting the national growth ambition.

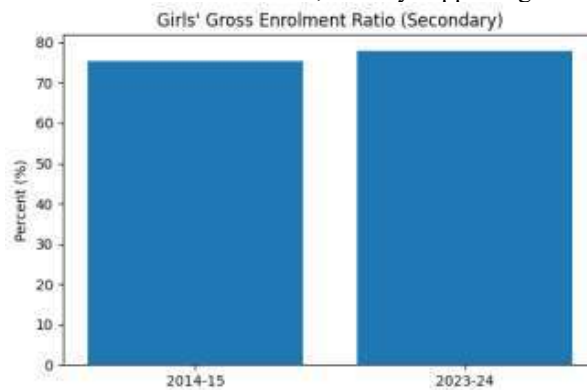


Figure 2 : (Girls' GER chart) shows the improvement from 75.51% to 78%, indicating rising educational continuity and future workforce quality.

3. Health Synergy and Institutional Deliveries: Strengthening Productive Life Years:

The economic return of human capital depends not only on education but also on health. Poor maternal health outcomes reduce workforce participation, shorten productive life years, and increase household vulnerability. BBBP's convergence approach is linked with improvements in healthcare access and delivery systems, particularly for mothers. Government-reported data highlights that **institutional deliveries** increased sharply from **61% (2014–15)** to **97.3% (2023–24)**. This is a major structural improvement because institutional deliveries reduce maternal and infant health risks, improve survival outcomes, and contribute to healthier childhood development. Healthier children are more likely to learn effectively, remain in school, and become productive adults. In this way, maternal health becomes a foundational contributor to economic growth. From a macroeconomic point of view, improvements in institutional deliveries reduce long-term healthcare burdens, prevent avoidable mortality, and preserve the continuity of women's participation across household and economic roles. For a nation aiming to maximize productivity by 2047, such health indicators are critical because they support the workforce not only in size, but also in capability.

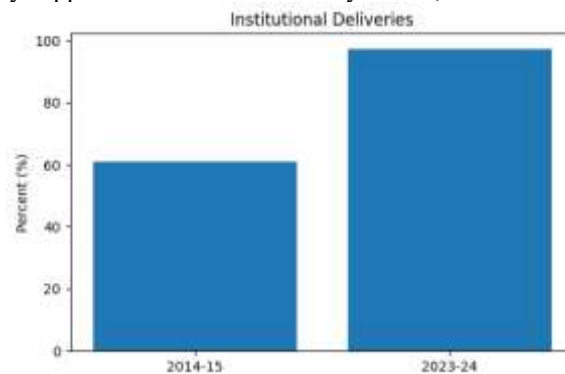


Figure 3 : (Institutional deliveries chart) demonstrates the steep rise to 97.3%, reflecting improved maternal safety and a stronger foundation for human development.

4. Women's Workforce Participation: Turning Human Capital into GDP:

The final stage of economic return is realized when educated and healthy girls become economically active women. Without labour market entry and job quality, the benefits of survival and schooling may not fully translate into GDP growth. This is why women's workforce participation becomes the most important bridge between BBBP achievements and Viksit Bharat outcomes.

Official labour statistics show strong improvements in female participation. The **PLFS Annual Report 2023–24 press note** reports that female **Labour Force Participation Rate (LFPR)** increased from **23.3% in 2017–18 to 41.7% in 2023–24**. (Stats and Program Implementation) This rise reflects broader economic and social changes, including improved data coverage, evolving work patterns, and increased female involvement especially in rural production and informal work. The direction is encouraging because it suggests that the pipeline from education to participation is strengthening.

However, participation alone is not enough. The quality of employment matters whether women are entering skilled jobs, formal employment, and higher productivity sectors. For BBBP to deliver long-term economic returns, India must ensure that the cohort of educated girls moves into higher-value sectors such as STEM, finance, healthcare, public administration, entrepreneurship, and emerging digital services. This is crucial for 2047 because a \$30 trillion economy requires high productivity per worker, not just more workers.

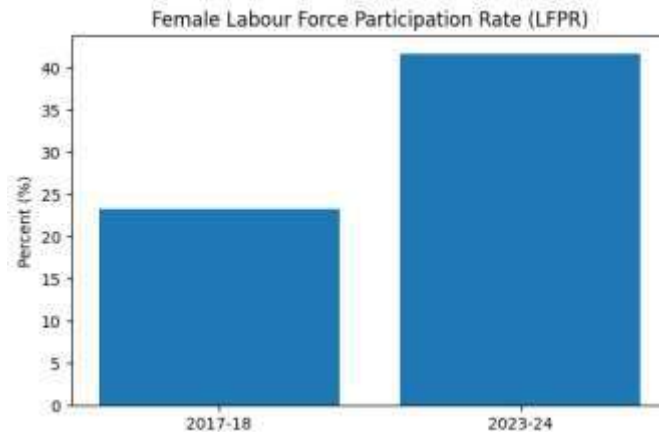


Figure 4 : (Female LFPR chart) shows the strong rise in women's participation from 23.3% to 41.7%, highlighting the economic potential of women-led development.

BBBP and Viksit Bharat 2047: The Economic Roadmap Linkage:

Viksit Bharat 2047 is frequently associated with a major growth target: achieving a **\$30 trillion economy** with improved per-capita income and global competitiveness. Such growth cannot rely solely on male workforce participation or limited segments of society. To sustain high growth, India must mobilize its full demographic capacity. BBBP contributes directly to this requirement because it strengthens the supply of educated women entering the economy in the next two decades.

The BBBP cohort will be the backbone of the 2035–2047 workforce. A girl born in 2015 will reach working age by the mid-2030s. If she has secondary education, healthcare access, and skill training, she can become part of the productive labour force. At the national level, this means BBBP is not a short-term benefit scheme; it is a long-term productivity strategy aligned with India's development timeline.

Moreover, BBBP supports behavioural change. Economic progress depends on institutions, policy, and investment but it also depends on social norms and participation. By increasing social acceptance of the girl child and improving education outcomes, BBBP strengthens the cultural foundation for women-led development. This directly supports the 2047 vision where women are expected to contribute not only as workers but also as innovators, entrepreneurs, administrators, and leaders.

Policy Recommendations for Maximizing BBBP's Economic Returns:

To ensure BBBP delivers its full economic dividend by 2047, India must focus on the 'Second Stage' of transformation: converting survival and education gains into **high-quality employment and leadership**.

First, the education pipeline must be strengthened through improved learning outcomes, digital literacy, STEM participation, scholarships, and reduced dropout in secondary and higher secondary levels. Second, women's employment must shift from low-productivity and informal work to skilled, secure, and higher-wage sectors. This requires safe workplaces, better transport access, childcare support, and flexible work models without wage discrimination. Third, entrepreneurship must be promoted through credit, mentorship, incubation, and market linkages for women-led MSMEs, because entrepreneurship is a key driver of long-term growth and innovation.

Finally, social norms must continue to evolve through consistent community engagement, strict enforcement against gender-biased elimination, and promotion of equality within households. BBBP's greatest contribution is that it



connects the girl child's dignity with national development. Sustaining this connection is essential for achieving Viksit Bharat 2047.

Conclusion:

The **Beti Bachao Beti Padhao** initiative is best understood as a long-term economic investment that strengthens India's human capital foundation for **Viksit Bharat 2047**. By improving **Sex Ratio at Birth** from **918 (2014–15) to 930 (2023–24)**, increasing girls' secondary education participation, and expanding institutional deliveries from **61% to 97.3%**, BBBP supports survival, education, and health the three essential pillars of productivity. Its full return will be realized when today's educated girls enter the workforce in the 2035–2047 period and contribute as skilled professionals, entrepreneurs, and leaders. Rising female labour participation from **23.3% (2017–18) to 41.7% (2023–24)** shows strong potential. If India ensures quality employment, safety, skills, and equal opportunity, BBBP can become one of the strongest engines of inclusive growth in the \$30 trillion economy vision.

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Original Article

Vikasit Bharat Vision 2047: A Concern of Environment Conservation in Amitav Ghosh's Novel *the Hungry Tide*

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Abstract:

Amitav Ghosh is well known contemporary fictional writer in Indian English. He has written many distinctive fictional works in English which necessarily focuses on some important issues of contemporary society. There is a development of new critical approach known as eco-criticism in literature. There lies a great literary and environmental interest in recent times. In the present century many writers have emerged to demonstrate the centrality of environmental concerns and their profound connection with literature from the eco-critical point of view. Amitav Ghosh as a fictional writer emphasizes on the relationship between nature and society which plays a prominent role in a country like India with ecosystems ranging from Himalayas in North to the Indian Ocean in South and from Sunderbans in the East to the dry Thar of the West. As the human culture is connected to the environment affecting it and also affected by it. The objective of the present paper is an attempt to analyze the novel of Amitav Ghosh's *The Hungry Tide* in the light of Vikasit Bharat Vision 2047.

Keywords: Indian English Literature, Amitav Ghosh, Ecological, nature, Eco-critical concerns and *The Hungry Tide*.

Introduction:

Amitav Ghosh is a well-known Indian English writer who has written many significant fictional works. He was born in Calcutta and resides in New York. Indian English Literature focuses on many significant contemporary issues of modern times. The fictional works of the writer are marked by the variety of themes. There are some significant fictional works for his credit such as, *The Circle of Reason*, *The Glass Palace*, *Sea of Poppies*, *River of Smoke*, *The Shadow Lines*, *The Calcutta Chromosome* and *The Hungry Tide*. Amitav Ghosh as a fictional writer deals with many significant themes like post-colonialism, identity crisis and environmental consciousness.

Environmental Concerns in the novel *The Hungry Tide*:

Eco-criticism is a new literary trend developed recently which mainly deals with eco-critical consciousness among the humanity as a necessity of the time. It significantly emphasizes on the development of green culture and eco-friendly approach. The present paper is an attempt to take an overview of ecological consciousness in Amitav Ghosh's novel *The Hungry Tide*. Eco-criticism is a new theory in contemporary literature. It is taken as a study of literature and environment from an interdisciplinary point of view. William Rueckert used the term Eco-criticism in his essay "Literature and Ecology: An Experiment in Eco-criticism" in 1978.

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Eco-criticism is also considered as a broad approach which is known as environmental literary criticism. Eco-criticism focuses on the importance and values of eco-system of the world. The writer in the literary work deals with the degradation of the nature and other significant crisis related to the nature in the present fictional work. *The Hungry Tide* is a remarkable novel which portrays beauty and humanity in the environment. The literature reflects that human life is inconceivable without the existence of nature. The literary movement, ecological criticism is gaining importance in the present-day context of environmental concerns its need to conserve.

The title of this paper indicates the reading of Amitav Ghosh's *The Hungry Tide* which is set in the land of Sunderbans, which comprises both water and earth and the intersection of landscape, water, human beings and their culture. The tide which is always hungry comes daily, resulting in a constant reshaping of the land and an uprooting the rooted. The tides in Sunderbans reach nearly three hundred kilometers of the land and every day thousands of acres of forest disappear underwater. As a result, island is reshaped almost daily by powerful currents of the water of the tides. The theme of the novel ranges from the realities of the history to the current events of the society.

The story of the present novel centers on two visitors to Sunderban, which is set in one of the most fascinating eastern regions of India. Amitav Ghosh emphasizes on globalization which is embodied in the character of Americanized Piya. The other visitors are Fokir the local citizen and Kanai from Delhi Gosaba, Satjelia, Morichjhampi and Emilybari are real places inhabited by refugees from East Bengal and other dispossessed factions of society mentioned by the novelist. (P.401) Lusibari becomes the main focus-a places in the process of development which is a small island that supports a population of several thousand. Some of the people had arrived in 1920 and all others after the partition of the subcontinent in 1947. They mainly came to make room for wildlife conservation projects.

The objective of the present research paper is to study the power of nature, its various states and the life of people living in the struggling condition for the forthcoming development of Vikasit Bharat. Nature is the great force which has made the complete division between the individuals of various social class. The objective of the present study is to explore the struggle of human beings for survival in adverse conditions and the place of human beings on earth. The construction of huge buildings, and destruction of mangroves which are habitat for seabirds, amphibians and all other animals are the root causes for the ecological and environmental problems and the source for hungry tides and earthquakes on earth. It is dangerous part of earth life from eco-critical point of view.

Amitav Ghosh has presented the evolutionary system of creation in a unique way in the nature. The writer has been preoccupied with the presence of animistic creation and its ecological balance in the region of Sunderban. He also shows Sunderban is not only the confluence of rivers and the sea; the place is an amazing meeting point of different cultures, which seems impossible at any other place. The novel also explores the strange love story of two lovers Piya and Fokir. The lovers spent days and nights in the vast stretches of the river on the tree. Amitav Ghosh's novel *The Hungry Tide* is set in the mangrove islands of Sunderbans, West Bengal. The Hungry Tide explores refugee resettlement in the forest reserves of Marichjhapi, Sunderban and the complex Man-Animal relationship. The novel mainly focuses on the ongoing tension between humanity and the environment in the Sunderbans, the Tide country of West Bengal, India and Bangladesh. It very well explores the environmental crisis in the present land.

Amitav Ghosh depicts the conflict between the environment and its tenacious residents, and between those groups intent on preserving the Sunderbans unique aquatic life and tiger population. The American girl Piyali Roy of India decent is the central character of this novel who is a scientist. *The Hungry Tide* is the significant exploration of a far darker and unknown jungle, the human heart full of struggle and also shows the wild life with different qualities of nature. Amitav Ghosh has warned mankind against the overt exploitation of nature. The Tide Country is a harsh landscape, full of peril and death in many forms. At no moment can human beings have any doubt of the terrain's hostility to their presence, of its cunning and resourcefulness, of its determination to destroy or expel them. Every year, dozens of people perish in the embrace of that dense foliage, killed by tigers, snakes and crocodiles. " (Ghosh 7). Rajender Kaur in his essay on *The Hungry Tide* titled, "Home Is Where the Oracella Are" says, "Ghosh's selection of the Sunderbans for his setting was aptly chosen" (Kaur 127).

This novel *The Hungry Tide* is set in a remote part of northeast India know as the Sunderbans which consists of thousands of small islands formed by the interflow of two rivers as they flow into the Bay of Bangal. Life is precarious with shifting islands, tigers and other predators, poor soil, and minimal contact with the outside world. The novelist describes the people of the Sunderbans, their history, and their struggles with nature which is an amazing story of the land and the people of Sunderban. The struggle of the people is against nature, the tide, the storm, the tiger, and the fearful surroundings. Gujjari Shankar says about the eco-consciousness as, "Amitav Ghosh has warned mankind against the overt exploitation of nature. The Tide Country is a harsh landscape, full of peril and death in many forms." (192) At no moment can human beings have any doubt of the terrain's hostility to their presence, of its cunning and resourcefulness, of its determination to destroy or expel them. The novel points to link the human stories with the



broader story of the ecological and environmental forces that have acted on the land of Sunderban. It shows environmental feeling and consciousness towards the same along with human life. The natural world is one with which they live in mutual dependency, fishing it and when necessary, defending themselves against it. It is different but, in a way, more profound relationship with the natural that Piya has to accept when she is forced to realize that Fokir is not a projection of her ideal understanding and preserving nature. When Fokir joins in the killing of the trapped tiger that has attacked the villagers she is shocked and disappointed since she has assumed that he would share her beliefs. When Fokir offers her his view of the event, that when a tiger comes into a human settlement it wants to die, she refuses to hear it and literally covers her ears. But in short order she realizes that her rejection of the villager's viewpoint of the tiger places her in the same camp as the foresters, when she sees the same corrupt guard that she had encountered on her trip to Lusibari on his way to beat and bully and extort bribes from the village for its self-preservative action. The novel draws the attention towards the most explicit discussion of the issue of conservation of tigers.

Conclusion:

To conclude, nature as a system is spread all over with all aspects and sympathetic to human beings. *The Hungry Tide* considers not only the issue of environmental conservation but also deals with human diversity along with the struggle to survive in the land. The novel significantly depicts the picture of the crisis in the environment and the importance of its conservation in the present world. The writer emphasizes on the conservation of wild life of nature. *The Hungry Tide* provides multiple optics on the Sunderbans ecosystem of mangrove forested islands and mudflats, representing the constant transformations it undergoes, because of daily tidal flows with sections of island being temporary submerged and with seawater. Ghosh's greatest gift as a writer may well be his sense of place. The writer has depicted the natural set up and difficulties for the same. Amitav Ghosh has presented the environmental approach his novel *The Hungry Tide*. The present novel of Amitav Ghosh is analyzed from the eco critical point of view which is the need of time.

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Original Article

Impact of Tourism on Socio-Economic Development in Akkalkuwa Tahsil of Nandurbar District (MS)

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Tourism is an important sector that contributes to socio-economic development, especially in rural and tribal regions. Akkalkuwa Tahsil of Nandurbar District, Maharashtra, possesses natural, cultural, and tribal tourism resources, yet remains economically backward. The present study examines the impact of tourism on the socio-economic development of Akkalkuwa Tahsil. The research focuses on employment generation, income opportunities, infrastructure development, and improvement in living standards of local communities. Primary data were collected through field surveys and interviews, while secondary data were obtained from census reports and government publications. The study reveals that tourism has a positive but limited impact due to inadequate infrastructure and planning.

Keywords: Tourism Development, Socio-Economic Impact, Akkalkuwa Tahsil, Tribal Region.

Introduction

Tourism is widely recognized as a catalyst for economic growth, employment generation, and regional development. In developing countries like India, tourism plays a crucial role in promoting socio-economic development, particularly in rural and tribal areas. Tourism not only generates income but also encourages infrastructure development, cultural exchange, and social integration (Richards, 2018).

Tribal regions in India possess rich natural landscapes, cultural heritage, and traditional lifestyles, which provide strong potential for tourism development. However, these regions often remain economically marginalized due to geographical isolation, lack of infrastructure, and limited investment (Singh, 2012). Tourism, if planned and managed sustainably, can help reduce regional disparities and improve the quality of life of tribal communities. Akkalkuwa Tahsil, located in the tribal-dominated Nandurbar District of Maharashtra, is characterized by hilly terrain, forest cover, and a predominantly tribal population. The tahsil has several tourism resources such as scenic landscapes, water bodies, religious sites, tribal festivals, and nearby attractions like Toranmal Hill Station and Unapdev Hot Springs. Despite these resources, tourism development in Akkalkuwa Tahsil is still at an early stage. The socio-economic condition of the region is marked by low-income levels, seasonal employment, limited educational facilities, and dependence on agriculture and forest-based livelihoods (Census of India, 2011). Tourism can offer alternative livelihood opportunities through employment in hospitality, transport, handicrafts, guiding services, and local markets. Additionally, tourism can lead to improved infrastructure such as roads, communication facilities, and public services. The present study aims to analyze the impact of tourism on socio-economic development in Akkalkuwa Tahsil. It examines how tourism influences employment, income, living standards, and social development of local communities.

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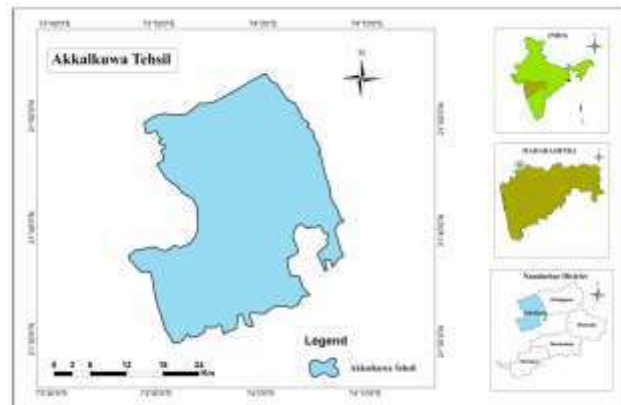
The study also highlights challenges that limit the positive impact of tourism and suggests measures for sustainable tourism development in the region.

Study Area

Akkalkuwa Tahsil is situated in the northern part of Nandurbar District, Maharashtra, near the Maharashtra-Gujarat border. The region forms part of the Satpura mountain range and is characterized by undulating terrain, dense forests, and seasonal rivers. According to the Census of India (2011), the tahsil has a high proportion of Scheduled Tribe population, mainly Bhil, Pawara, Tadvi, and Kokani communities.

The economy of Akkalkuwa Tahsil is primarily based on agriculture, forest produce, and daily wage labor. Tourism-related places in and around the tahsil include Akkalkuwa Lake, Narayanpur Dam, local temples, tribal festivals, and nearby attractions such as Toranmal Hill Station and Unapdev Hot Springs. Despite the presence of these tourism resources, the region remains economically underdeveloped due to poor infrastructure and limited tourism promotion.

Fig. No. 01



Objectives:

1. To examine the tourism potential of Akkalkuwa Tahsil.
2. To analyze the impact of tourism on employment and income generation.
3. To study the role of tourism in improving living standards of local communities.
4. To identify challenges affecting tourism-led socio-economic development.

Hypothesis

Tourism has a positive impact on the socio-economic development of Akkalkuwa Tahsil.

Methodology:

The present study is based on secondary data.

Secondary Data

- Census of India (2011)
- District Statistical Handbooks
- Government tourism reports and research articles

Descriptive statistical techniques and qualitative analysis were used to interpret the data. Socio-economic indicators such as employment, income sources, and access to facilities were analyzed to assess tourism impact.

Discussion

Tourism in Akkalkuwa Tahsil is largely seasonal and localized. Local festivals, weekly markets, and religious gatherings attract visitors from nearby areas. Natural attractions such as Akkalkuwa Lake and Narayanpur Dam are mainly used for local recreation rather than organized tourism. The discussion reveals that tourism has created limited employment opportunities in transport services, small shops, food stalls, and handicraft sales. However, most tourism-related activities are informal and lack institutional support. The absence of accommodation facilities, trained manpower, and marketing strategies restricts the growth of tourism.

Impact of Tourism on Socio-Economic Development

7.1 Positive Impacts

- 1. Generation of supplementary income for local households:** Tourism has contributed to the generation of supplementary income for local households in Akkalkuwa Tahsil by creating additional earning opportunities beyond traditional agriculture and forest-based livelihoods. Local residents earn income through activities such as selling food items, handicrafts, agricultural produce, and providing small services during festivals and tourist visits. This supplementary income helps improve household economic security and reduces dependence on seasonal employment.
- 2. Employment opportunities in small businesses and services:** Tourism has also created employment opportunities in small businesses and services, including local transport services, tea stalls, petty shops, guiding services, and



accommodation-related work. Although most of these jobs are informal and seasonal, they provide valuable employment for youth, women, and marginal workers who otherwise have limited job options within the region.

3. Promotion of local culture, crafts, and traditions: Another important positive impact is the promotion of local culture, crafts, and traditions. Tourism encourages the continuation of tribal festivals, folk dances, music, traditional attire, and handicrafts by creating interest among visitors. This cultural exposure helps in preserving indigenous traditions and enhances community pride in tribal identity. Artisans and performers receive recognition and financial support through tourism-related activities.

4. Improvement in road connectivity and market access: Additionally, tourism contributes to the improvement in road connectivity and market access. The movement of tourists necessitates better transportation facilities, which often leads to road development and improved connectivity to remote villages. Enhanced connectivity facilitates easier access to local markets, educational institutions, and health services, thereby improving overall living conditions and supporting broader socio-economic development in Akkalkuwa Tahsil.

7.2 Negative / Limited Impacts

1. Seasonal and low-paying employment: One of the major limitations of tourism in Akkalkuwa Tahsil is the prevalence of seasonal and low paying employment. Tourism activities are largely concentrated during festivals, fairs, and specific seasons, resulting in temporary job opportunities rather than stable, year-round employment. Most tourism-related jobs, such as small vending, transport services, and casual labor, offer low wages and lack job security, limiting their ability to significantly improve the long-term economic condition of local households.

2. Unequal distribution of tourism benefits: Another important issue is the unequal distribution of tourism benefits. The economic gains from tourism are often concentrated among a small section of the population, such as shop owners, transport operators, or individuals located near tourist sites. Remote villages and economically weaker households receive minimal benefits, leading to disparities within the local community. This uneven distribution reduces the overall effectiveness of tourism as a tool for inclusive development.

3. Lack of skill development and training: The lack of skill development and training further restricts the positive impact of tourism. Local residents generally lack formal training in hospitality, guiding, communication, marketing, and management. Due to insufficient training programs and institutional support, local communities are unable to access better paying and skilled tourism related jobs, which limits their participation in organized tourism activities.

4. Environmental pressure on natural resources: Tourism also exerts environmental pressure on natural resources, especially in ecologically sensitive areas. Increased tourist movement can lead to littering, water pollution, degradation of forests, and disturbance to wildlife if not managed properly. In the absence of environmental regulations and sustainable tourism practices, natural attractions such as lakes, dams, and forest areas in Akkalkuwa Tahsil face the risk of ecological degradation, which may negatively affect both tourism sustainability and local livelihoods in the long run.

Results

The results of the study indicate that tourism in Akkalkuwa Tahsil has a moderate positive impact on employment and income generation, particularly through small-scale activities such as local transport, food stalls, and handicraft sales. However, the overall socio-economic benefits remain limited due to inadequate infrastructure, poor accessibility, and lack of organized tourism facilities. Despite these constraints, local communities exhibit a strong willingness to participate in tourism-related activities, reflecting positive attitudes towards tourism as a source of livelihood. The study also reveals that sustainable tourism planning and institutional support are largely absent, which restricts the long-term and inclusive development of tourism in the region.

Hypothesis Application

The hypothesis that tourism has a positive impact on socio-economic development is partially accepted. While tourism contributes positively to income and employment, its overall impact remains limited due to infrastructural, institutional, and policy-related constraints.

Conclusion

Tourism has the potential to act as an effective tool for socio-economic development in Akkalkuwa Tahsil. Although the current impact of tourism is limited, it has positively influenced employment, income generation, and cultural awareness. Strengthening infrastructure, improving accessibility, promoting local participation, and implementing sustainable tourism policies can enhance tourism's role in regional development. A community-based tourism approach is essential to ensure inclusive growth and long-term socio-economic benefits for the tribal population of Akkalkuwa Tahsil.

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Original Article

Gender Equality and Social Inclusion

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Abstract

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Gender Equality and Social Inclusion (GESI) has emerged as a critical framework for promoting equitable development and social justice. This study examines the significance of GESI in addressing systemic inequalities faced by marginalized groups based on gender, caste, class, disability, and socio-economic status. It explores how inclusive policies and gender-sensitive interventions contribute to improved access to education, employment, healthcare, and decision-making processes. The paper highlights the role of institutions, governance mechanisms, and community participation in fostering inclusive growth. Through a review of existing literature and policy initiatives, the study underscores the need for integrated approaches that move beyond mere representation toward meaningful empowerment. The findings suggest that mainstreaming GESI principles is essential for achieving sustainable development and ensuring that no individual or group is left behind.

Keywords: Gender Equality; Social Inclusion; Marginalized Communities; Equity; Empowerment; Inclusive Development; Social Justice; Gender Mainstreaming.

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Introduction

Gender Equality and Social Inclusion (GESI) is a vital framework for promoting fairness, dignity, and equal opportunities for all individuals within society. It emphasizes the need to address structural inequalities and social barriers that restrict participation and access to resources based on gender, caste, class, ethnicity, disability, age, and other intersecting identities. In both developing and developed contexts, persistent gender disparities and social exclusion continue to hinder inclusive and sustainable development. Gender equality refers to the state in which individuals of all genders enjoy equal rights, responsibilities, and opportunities in social, economic, political, and cultural spheres. Despite significant global progress, women and gender-diverse populations remain disproportionately affected by poverty, limited access to education and healthcare, wage gaps, underrepresentation in leadership, and gender-based violence. These inequalities are often compounded by social hierarchies such as caste systems, patriarchal norms, and economic marginalization, particularly in countries like India. Social inclusion focuses on ensuring that marginalized and vulnerable groups are actively involved in decision-making processes and have equitable access to public services, institutions, and opportunities. Exclusion whether social, economic, or political—perpetuates cycles of disadvantage and limits human potential. Despite significant global progress, women and gender-diverse populations remain disproportionately affected by poverty, limited access to education and healthcare, wage gaps, underrepresentation in leadership, and gender-based violence. These inequalities are often compounded by social hierarchies such as caste systems, patriarchal norms, and economic marginalization, particularly in countries like India.

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Aim of the Study

The primary aim of this study is to examine the importance of Gender Equality and Social Inclusion (GESI) in promoting equitable development and to analyze its role in addressing social, economic, and institutional inequalities among marginalized groups.

Objectives of the Study

- To understand the concept and theoretical framework of Gender Equality and Social Inclusion.
- To examine the existing gender and social disparities in access to education, employment, healthcare, and decision-making. To analyze the factors contributing to gender inequality and social exclusion in society.
- To assess the role of policies, programs, and institutions in promoting GESI.
- To explore the impact of gender-sensitive and inclusive practices on marginalized and vulnerable groups.

Review of Literature

Scholarly literature on Gender Equality and Social Inclusion (GESI) highlights its central role in achieving equitable and sustainable development. Gender equality has been widely discussed as a fundamental human right and a prerequisite for social justice and economic growth. Early feminist scholars emphasized structural inequalities rooted in patriarchy, which systematically limit women's access to education, employment, and political participation. Contemporary studies extend this analysis by incorporating intersectionality, recognizing that gender-based disadvantages intersect with caste, class, ethnicity, disability, and other social identities. Several researchers have examined the relationship between gender equality and development outcomes. Studies indicate that improved gender equality contributes to higher educational attainment, better health indicators, increased labor force participation, and enhanced household well-being. In the Indian context, literature points to persistent gender gaps in literacy, workforce participation, and leadership positions despite constitutional guarantees of equality. Scholars argue that social norms, unpaid care work, and limited mobility continue to constrain women's empowerment. Social inclusion literature focuses on the processes through which individuals or groups are excluded from full participation in social, economic, and political life. Research emphasizes that marginalized communities—such as Scheduled Castes, Scheduled Tribes, minorities, persons with disabilities, and economically disadvantaged groups—often face multiple forms of exclusion.

Research Methodology

Research Design

The study adopts a descriptive and analytical research design to examine the status, challenges, and impacts of Gender Equality and Social Inclusion. Both qualitative and quantitative approaches are used to gain a comprehensive understanding of gender and social disparities and inclusive practices. Collected through structured questionnaires, interviews, and focus group discussions with respondents from diverse gender and social backgrounds. Obtained from books, research journals, government reports, policy documents, census data, and publications by international organizations such as UN Women and the World Bank.

Sampling Technique

A stratified random sampling method is used to ensure adequate representation of women, marginalized communities, and vulnerable groups. In some cases, purposive sampling is employed to include key informants such as policymakers, educators, social workers, and NGO representatives. The sample consists of respondents, selected based on feasibility and representativeness. Quantitative data are analyzed using statistical tools such as percentages, averages, and cross-tabulation.

Ethical Considerations

The study follows ethical research practices, including informed consent, confidentiality, voluntary participation, and sensitivity toward gender and marginalized identities. The study may be limited by time constraints, sample size, and the availability of respondents. Social desirability bias may also affect responses.

Statement of the Problem

Despite constitutional guarantees, legal frameworks, and policy initiatives aimed at promoting equality, gender inequality and social exclusion continue to persist across societies, particularly affecting women and marginalized groups. Deep-rooted social norms, patriarchal structures, caste-based discrimination, economic disparities, and institutional biases restrict equal access to education, employment, healthcare, and decision-making processes. These forms of exclusion limit individual potential and hinder inclusive and sustainable development. In many developing contexts, including India, women from socially disadvantaged communities experience multiple and intersecting forms of marginalization. Gender-neutral development programs often fail to address the specific needs of these groups, resulting in unequal outcomes and limited empowerment. Although Gender Equality and Social Inclusion (GESI) has been widely recognized as a critical framework in policy and development discourse, its effective implementation remains inconsistent due to lack of awareness, inadequate institutional capacity, insufficient gender-disaggregated data, and weak monitoring mechanisms.

Need of the Study



Gender Equality and Social Inclusion (GESI) is essential for achieving social justice, equitable development, and sustainable growth. Despite the existence of constitutional provisions, legal safeguards, and development programs, significant gender disparities and social exclusion continue to persist, particularly among women and marginalized communities. These inequalities limit access to education, employment, healthcare, and participation in decision-making processes, thereby hindering overall societal progress. There is a critical need to study GESI to understand the root causes of inequality and exclusion, including socio-cultural norms, economic constraints, and institutional barriers. Marginalized groups often face multiple and intersecting disadvantages that are inadequately addressed by gender-neutral or one-dimensional policy approaches. Examining GESI helps highlight these overlapping vulnerabilities and ensures that development interventions are inclusive and responsive to diverse needs. Furthermore, many existing policies and programs lack effective implementation, monitoring, and evaluation mechanisms.

Further Suggestions for Research

Intersectional Studies

Future research should adopt an intersectional approach to examine how gender interacts with caste, class, religion, ethnicity, disability, and age in shaping experiences of inclusion and exclusion.

Sector-Specific Analysis

More in-depth studies are needed on GESI in specific sectors such as education, healthcare, employment, governance, and digital inclusion to understand sectoral gaps and best practices.

Longitudinal Research

Long-term studies can help assess the sustained impact of GESI policies and programs on empowerment, participation, and social mobility over time.

Evaluation of Government Schemes

Future research may focus on evaluating the effectiveness of gender- and inclusion-oriented government initiatives at local, state, and national levels.

Grassroots and Community-Based Studies

There is a need for micro-level research capturing lived experiences of marginalized women and communities, particularly in rural, tribal, and urban informal settlements.

Scope and Limitations

Scope of the Study

The scope of the present study is to examine the concept, status, and significance of Gender Equality and Social Inclusion in contemporary society. The study focuses on understanding gender-based and social disparities in access to education, employment, healthcare, and participation in decision-making processes. It includes an analysis of policies, programs, and institutional practices aimed at promoting equality and inclusion. The study covers diverse social groups, including women, marginalized communities, and vulnerable populations, to capture varied experiences of inclusion and exclusion. Both primary and secondary data are used to analyze gender-sensitive and inclusive practices at the community and institutional levels. The findings of the study are expected to contribute to academic literature and provide insights for policymakers, educators, social workers, and development practitioners working toward inclusive development.

Limitations of the Study

Despite careful planning, the study has certain limitations. The research is limited by time and resource constraints, which may restrict the sample size and geographical coverage. As a result, the findings may not be fully generalizable to all regions or populations. The study relies partly on self-reported data, which may be influenced by respondent bias or social desirability bias, particularly on sensitive issues related to gender and social exclusion. Additionally, the availability of disaggregated data on gender and marginalized groups may be limited, affecting the depth of analysis.

Discussion

The findings of the study highlight that Gender Equality and Social Inclusion remain central to achieving equitable and sustainable development. Despite increased policy attention and legal safeguards, significant gaps persist between policy intent and ground-level realities. Gender-based inequalities and social exclusion continue to affect access to education, employment, healthcare, and decision-making, particularly among women from marginalized communities. The discussion reveals that gender inequality is not a standalone issue but is closely intertwined with social hierarchies such as caste, class, and economic status. Women belonging to socially disadvantaged groups experience compounded forms of exclusion, limiting their opportunities for empowerment. This supports existing literature that emphasizes the importance of an intersectional approach to understanding and addressing inequality. The study also indicates that gender-neutral development programs often fail to address the specific needs of marginalized populations. Effective GESI interventions require targeted, context-specific strategies that promote participation, representation, and access to resources. Education and awareness emerge as critical factors in challenging discriminatory norms and fostering inclusive attitudes at the community level.



Conclusion

Gender Equality and Social Inclusion (GESI) is a fundamental requirement for achieving social justice, inclusive growth, and sustainable development. The study highlights that persistent gender disparities and social exclusion continue to limit equal access to education, employment, healthcare, and decision-making opportunities, particularly for women and marginalized communities. These inequalities are deeply rooted in socio-cultural norms, economic constraints, and institutional barriers. The findings emphasize that gender equality and social inclusion are interconnected and cannot be addressed in isolation. An intersectional approach that recognizes overlapping forms of disadvantage is essential for designing effective and inclusive interventions. While policies and legal frameworks supporting GESI exist, their impact is often constrained by gaps in implementation, limited awareness, and inadequate monitoring mechanisms. In conclusion, achieving Gender Equality and Social Inclusion requires sustained commitment, coordinated efforts, and systemic change.

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Original Article

Gender Inequality in Education: Causes, Consequences and Remedial Measures

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Education is universally recognized as a fundamental human right and a powerful instrument for social transformation. Despite significant progress in educational expansion, gender inequality continues to persist in education systems across many developing countries, including India. Gender inequality in education manifests in unequal access, retention, participation, quality of learning, and educational outcomes between males and females. This inequality is deeply rooted in social norms, cultural practices, economic constraints, and structural barriers. The present paper examines the concept of gender inequality in education, analyzes its major causes and consequences, and discusses possible remedial measures from a social work and policy perspective. The study is based on secondary data collected from government reports, research articles, books, and policy documents. The paper argues that achieving gender equality in education is not only essential for women's empowerment but also critical for inclusive social development and sustainable economic growth.

Keywords: Gender inequality, Education, Women empowerment, Social inclusion, Equality of opportunity.

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Introduction

Education plays a central role in shaping individuals' capabilities, enhancing productivity, and promoting social justice. It is widely acknowledged that education contributes significantly to economic growth, poverty reduction, improved health outcomes, and democratic participation. However, access to education and its benefits are not equally distributed across gender lines. Gender inequality in education remains a major challenge, particularly in developing societies where patriarchal norms and socio-economic disparities continue to influence educational opportunities. In India, constitutional provisions guarantee equality and the right to education for all citizens. Nevertheless, gender-based disparities persist at various levels of education. While enrollment rates of girls at the primary level have improved over the years, dropout rates increase at the secondary and higher education levels. Girls from rural areas, marginalized communities, and economically weaker sections are particularly vulnerable to educational exclusion. Gender inequality in education is not merely an educational issue; it is a broader social problem closely linked with poverty, health, employment, and social status. The denial of education to girls limits their life chances, reduces their economic independence, and perpetuates cycles of inequality across generations. This paper attempts to critically examine gender inequality in education by exploring its causes, consequences, and possible remedial strategies.

Concept of Gender Inequality in Education

Gender inequality in education refers to unequal treatment, opportunities, and outcomes for individuals based on their gender within educational systems. It includes disparities in enrollment, attendance, retention, completion rates, subject choice, access to quality institutions, and participation in higher and professional education. This inequality is not limited to access alone. Even when girls are enrolled in schools,

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they often face discrimination in classroom interactions, curricular content, expectations from teachers, and opportunities for leadership and skill development. Gender stereotypes influence subject choices, resulting in the underrepresentation of girls in science, technology, engineering, and mathematics (STEM) fields. Gender inequality in education is closely linked to broader gender relations in society. Patriarchal values, traditional gender roles, and power imbalances shape educational decisions within families and communities. As a result, education often reproduces existing social inequalities instead of challenging them.

Objectives of the Study

The present study has the following objectives:

1. To examine the concept and nature of gender inequality in education.
2. To analyze the major social, economic, and cultural causes of gender inequality in education.
3. To study the consequences of gender inequality in education at individual, social, and economic levels.
4. To explore remedial measures and policy interventions for promoting gender equality in education.
5. To highlight the role of social work and community-based interventions in reducing gender inequality in education.

Research Methodology

The present study is based on a descriptive and analytical research design.

4.1) Sources of Data:

The study relies entirely on secondary data, collected from the following sources:

1. Government reports and policy documents related to education and gender
2. Research articles published in national and international journals
3. Books and edited volumes on gender studies, education, and social development
4. Reports of national and international organizations working on education and gender equality

4.2) Method of Analysis

The collected data were systematically reviewed, categorized, and analyzed using qualitative content analysis. The study interprets existing literature to identify key patterns, causes, consequences, and policy implications related to gender inequality in education.

4.3) Scope and Limitations

The study focuses primarily on the Indian context, though references to global perspectives are included where relevant. Since the study is based on secondary data, it does not involve fieldwork or primary data collection, which may limit the scope for empirical generalization.

Causes of Gender Inequality in Education

5.1) Social and Cultural Factors

One of the most significant causes of gender inequality in education is the persistence of patriarchal social structures. In many families, sons are perceived as future breadwinners, while daughters are expected to perform domestic roles. As a result, investment in boys' education is often prioritized over girls' education. Practices such as early marriage, preference for sons, and restrictions on girls' mobility adversely affect girls' educational participation. Social norms often discourage higher education for girls, particularly in conservative and rural communities.

5.2) Economic Factors

Poverty plays a crucial role in shaping educational opportunities. In economically constrained households, limited resources are allocated selectively, often favoring boys' education. Girls are frequently required to contribute to household work, caregiving, or income-generating activities, which reduces their time for schooling. The direct and indirect costs of education, such as fees, transportation, uniforms, and learning materials, also act as barriers for girls from poor families.

5.3) Institutional and Infrastructural Barriers

Inadequate educational infrastructure disproportionately affects girls. Long distances to schools, lack of safe transportation, absence of separate sanitation facilities, and shortage of female teachers contribute to higher dropout rates among girls, especially at the secondary level.

5.4) Policy and Implementation Gaps

Although several policies and schemes exist to promote girls' education, gaps in implementation reduce their effectiveness. Lack of awareness, administrative inefficiencies, and weak monitoring mechanisms limit the impact of these initiatives.

Consequences of Gender Inequality in Education

6.1) Individual Consequences

Lack of education restricts women's employment opportunities, income levels, and decision-making power. Educated women are more likely to enjoy better health, exercise reproductive choices, and invest in their children's education. Gender inequality in education deprives women of these benefits and reinforces dependence.

6.2) Social Consequences



Gender inequality in education perpetuates broader social inequalities. It sustains discriminatory attitudes, limits women's participation in public life, and weakens democratic processes. Societies with high levels of gender inequality in education often experience slower social progress and weaker social cohesion.

6.3) Economic Consequences

From an economic perspective, excluding women from education results in underutilization of human resources. Lower female participation in skilled employment reduces productivity and hampers national economic growth. Gender inequality in education thus imposes long-term economic costs on society.

Remedial Measures for Reducing Gender Inequality in Education

7.1) Changing Social Attitudes

Promoting gender-sensitive attitudes through community awareness programs, mass media campaigns, and school-based interventions is essential. Parents and communities must be sensitized to the long-term benefits of girls' education.

7.2) Economic Support and Incentives

Scholarships, free education, conditional cash transfers, and incentives linked to girls' school attendance and completion can significantly reduce economic barriers. Special support should be provided to girls from marginalized communities.

7.3) Improving Educational Infrastructure

Ensuring safe, accessible, and girl-friendly school environments is crucial. This includes separate sanitation facilities, safe transportation, residential schools, and recruitment of female teachers, particularly in rural areas.

7.4) Strengthening Policy Implementation

Effective implementation of educational policies requires robust monitoring, accountability mechanisms, and coordination between government agencies, local bodies, and civil society organizations.

7.5) Role of Social Work

Social workers play a vital role in promoting gender equality in education through advocacy, community mobilization, counseling, and policy intervention. Grassroots-level engagement helps address socio-cultural barriers and supports girls at risk of dropping out.

Conclusion

Gender inequality in education remains a critical barrier to achieving social justice, women's empowerment, and inclusive development. While policy initiatives and legal frameworks have improved access to education for girls, deep-rooted social norms and structural inequalities continue to limit their educational outcomes. Addressing gender inequality in education requires a multidimensional approach involving social change, economic support, institutional reform, and effective policy implementation. Education systems must become more inclusive, gender-sensitive, and responsive to the needs of girls and marginalized groups. Achieving gender equality in education is not only a moral imperative but also a strategic investment in the future of society.

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Original Article

Integrated role of Traditional and Digital Libraries in Achieving Vision Viksit Bharat@2047

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This paper studies the role of traditional and digital libraries in India's national development. It explains how traditional libraries preserve culture, manuscripts, and reading spaces, while digital libraries provide online access to books, journals, and learning materials. The paper discusses government efforts like NDLI and Digital India, and also the problem of digital divide. It critically shows that neither type of library is enough alone, so integration is necessary. Libraries support education, research, innovation, social inclusion, and informed citizenship. They help reduce knowledge gaps in rural and urban areas. The study concludes that for Viksit Bharat@2047, India needs strong, modern, and inclusive libraries that combine physical and digital services for all people.

Key Words: Traditional Library, Digital Library, Viksit Bharat, Inclusive development, Knowledge society

Introduction

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Libraries play an important role in national development because they support learning, awareness, and informed decision-making. A library is not only a place for books but a centre for knowledge sharing and lifelong learning. In a developing country like India, libraries help people improve their skills, understanding, and social awareness. According to Ranganathan, libraries exist to serve society and must grow with people's needs. When citizens have access to information, they can contribute better to social and economic development. The basic meaning of a library lies in its functions such as collecting, organizing, preserving, and providing information. Libraries support students, teachers, researchers, and the general public. They help in formal education as well as self-learning. Ranganathan's Five Laws of Library Science clearly explain that libraries should be user-centred and accessible to all. These functions make libraries important institutions for knowledge-based national growth. Libraries also act as strong instruments of social development. They reduce knowledge gaps between different sections of society by providing free or low-cost access to information. In India, public and academic libraries support rural communities, first-generation learners, and marginalized groups. As noted by K. C. Panda, libraries promote social inclusion by supporting literacy, awareness, and community development. Thus, libraries help build a more equal and informed society. In the field of education and culture, libraries preserve and promote national heritage. They store books, manuscripts, newspapers, and digital resources that reflect India's cultural and intellectual traditions. Libraries support research, innovation, and cultural continuity. According to S. R. Ranganathan, libraries are living institutions that connect past knowledge with present needs and future goals. This role is essential for cultural development and national identity. Libraries are also closely linked with democracy because they ensure free and equal access to information. An informed citizen is the foundation of a healthy democracy. Libraries provide reliable information that helps people understand rights, duties, policies, and social issues.

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As pointed out by Bimalendu Mukherjee, libraries support democratic values by encouraging independent thinking and informed participation. Therefore, libraries strengthen democracy by empowering citizens through knowledge.

Libraries in National Development

Libraries play an important role in national development because they connect knowledge with people's daily lives. A library is not only a place where books are kept; it is a centre for learning, awareness, and social growth. Its basic functions such as collecting, preserving, and sharing information help students, teachers, researchers, and common citizens. In a country like India, where social and educational inequality exists, libraries help reduce gaps by providing free or low-cost access to knowledge. They support education, promote reading habits, preserve culture, and encourage lifelong learning. Critically speaking, libraries contribute to development only when they serve society as a whole and not only a limited educated group. When libraries include local language materials, community programmes, and educational support, they become strong instruments of social, educational, and cultural development.

Libraries are also important for democracy because they ensure equal access to information. A developed nation needs informed citizens, and libraries help people understand social issues, government policies, and cultural ideas. Public libraries, in particular, support democratic values by giving everyone the right to read, learn, and think freely. Even today, when digital information is widely available, libraries remain relevant because they provide reliable, organised, and guided information. Many people still depend on libraries due to digital divide, lack of devices, or limited internet access. Critically, libraries must adapt to changing times while keeping their democratic role strong. When libraries combine traditional services with digital access and community involvement, they support informed participation and responsible citizenship, which are essential for national development.

Objectives of the Study

- To understand the role of traditional libraries in national development.
- To examine the role of digital libraries in supporting Viksit Bharat@2047.
- To analyze the integrated role of traditional and digital libraries in knowledge access and inclusion.
- To examine how libraries contribute to education, innovation, and informed citizenship for a developed India.

Traditional Libraries in India and their Roles

Traditional libraries in India have a long history that dates back many centuries and shows how Indians valued knowledge and learning. In ancient India, libraries existed in great centers of learning like Nalanda and Takshashila, where students from many countries came to study philosophy, medicine, and mathematics. These early libraries collected handwritten manuscripts on palm leaves and paper, preserving texts in Sanskrit, Pali, and later Persian and regional languages. With the arrival of Muslim rulers, Persian and Arabic libraries also grew, such as those built by the Mughals in Delhi and Agra. During the British period, modern public and institutional libraries started in cities like Bombay, Calcutta, and Madras, inspired by European models, but they were limited mainly to the elite (Dasgupta, 2000). These historical developments show that libraries in India changed with time from serving religious and scholarly communities to becoming more public and inclusive, even though access was uneven for many years. Traditional libraries in India have played a major role in literacy, education, and research, but this role needs to be looked at both positively and critically. On the positive side, libraries have helped many people learn to read, find books for school, and support higher studies. For example, the National Library in Kolkata, established in 1836, has served generations of students and researchers with vast collections (National Library of India, 2020). Many state and district libraries also provide books for children and adults, encouraging reading habits in rural and urban areas alike. However, critics point out that many libraries lack enough books in local languages or updated content, reducing their usefulness for students studying new subjects like computers or science. Some libraries still focus mainly on older books, which means they do not fully support modern education needs. Therefore, while traditional libraries have made important contributions, their impact is limited when they do not modernize services or collections in line with current education demands.

Traditional libraries have also been vital for preserving India's knowledge, culture, and heritage, but they face serious challenges in doing so. India's manuscript collections, including ancient texts on medicine (Ayurveda) and astronomy, are priceless sources of traditional knowledge. Libraries and archives collect these works and protect them from loss, helping researchers understand India's cultural history. For instance, the Oriental Research Institute & Manuscripts Library in Mysore preserves palm-leaf manuscripts of classical Sanskrit works that would have been lost without protection. Despite this, many libraries struggle with poor infrastructure, lack of funds, and insufficient trained staff to handle preservation work (Kumar, 2019). These challenges mean that important materials can deteriorate or remain hidden from public use. In addition, the rise of digital media and e-resources has caused traditional libraries to lose readers, making it harder for them to justify funding and support. Thus, although traditional libraries are crucial for protecting India's heritage, they urgently need better planning, technology, and trained librarians to continue this role effectively.

Digital Libraries in India



Digital libraries in India started growing mainly in the early 2000s when the internet became more common. A digital library means a library that stores books, journals, articles, and other materials in digital form so people can use them online. One early example is the Digital Library of India, which worked to scan and share Indian books electronically. Later, with faster internet and smartphones, many universities and institutions began their own digital collections so students and researchers did not have to visit a physical library (Kumar & Sharma, 2015). This change helped libraries reach more users across India. Digital libraries give people easy access to e-resources, open knowledge, and online learning materials. Students can read textbooks, research papers, and reference books online without buying expensive books. Open access resources like free academic journals and e-books help learners from small towns and villages study better. For example, students preparing for competitive exams can download past papers and study materials from library websites. This online access has made learning more flexible and affordable for many people. The Indian government has supported digital libraries through big projects like National Digital Library of India (NDLI), Digital India, and e-Governance programs. NDLI collects millions of books and study resources from schools, colleges, and other institutions and makes them available free of cost online (Ministry of Education, 2020). The Digital India program aims to bring internet and digital services to all citizens, so even people in remote areas can use online library services and government information. These efforts help bridge gaps and support education and research across the country. However, India still faces the digital divide and access issues. Not all people have good internet or electronic devices like laptops or smartphones. In many rural areas, internet speed is slow, and electricity may not be steady, so digital libraries are hard to use (Reddy, 2019). Even when services are free, people need basic digital skills to search and download materials. This gap limits the benefits of digital libraries for many students and learners. So, while digital libraries have great potential, more work is needed to make access equal for everyone.

Integrated role of Digital and Traditional Libraries towards Viksit Bharat

In the digital age, India cannot see traditional and digital libraries as separate. Both must work together. Traditional libraries hold physical books and long-trusted reading spaces. Digital libraries offer online access, speed, and newer learning tools. Alone, each has limits. Traditional libraries may not serve students who live far or cannot visit often. Digital libraries may not reach learners without internet or devices. For Viksit Bharat@2047, India needs an integration of both so that every learner can get the right knowledge at the right time. This integration is not just adding computers to old libraries, but rethinking services so that physical and digital materials support each other. A blended library service or hybrid model means users can choose what works best for them. For example, a student in a city may read e-books on a tablet, then use a traditional library to study rare printed books that are not online. A researcher may start searching journals online, then request prints or scans from a physical library. Many Indian colleges today use library software that links their physical catalog with digital resources like e-journals and e-books. This hybrid model improves library usage and user satisfaction (Satyanarayana & Reddy, 2021). But the challenge is real: many libraries still do not have enough trained staff or funds to manage both physical and digital collections well. Without proper planning, digital efforts may only increase cost without real benefit. Supporting inclusive education, research, and lifelong learning means libraries must reach learners of all ages and backgrounds. Traditional libraries have been trusted places for children, adults, and senior citizens to read and learn. Digital libraries can support lifelong learners—people who continue learning outside of school or college—by offering online courses, videos, and global research materials throughout life. Together, they can help India build a knowledge society where learning does not stop with school. However, critics note that many colleges and schools in India still lack quality librarians and training to guide users in digital research (Rao, 2019). Without skilled support, many students may have digital access but not be able to use it effectively. Social inclusion is a major goal for Viksit Bharat@2047. Integrated libraries can help reduce inequalities between rural and urban areas. In cities, many students already use online resources, but in rural India, traditional libraries still serve as the main learning space. If these libraries are supported with computers, reliable internet, and e-resources, they can bridge the gap between rural and urban learners. For example, a rural student may not have a laptop at home, but can visit a library to access online lectures or digital books. This model has worked in some Indian states where library networks share digital content with village libraries (Kumar, 2020). Yet the critical issue remains that many rural libraries still lack funds and digital skills. If India wants real inclusion by 2047, policymakers must invest not just in technology, but also in training, infrastructure, and maintenance. Another important point is the role of libraries in building digital responsibility and information ethics. In today's time, people get a lot of information from the internet, but not all information is correct or safe. Integrated libraries can teach users how to check reliable sources, avoid misinformation, and respect copyright. Librarians can guide students on how to use information honestly in their studies and research. This is very important for India's future because a developed nation needs not only educated people but also responsible and informed citizens.

Finally, the integration of traditional and digital libraries should be part of a national vision, not a fragmented local plan. India's education and research system needs standards, shared digital networks, and policies to preserve printed heritage while expanding digital access. Without this, there is a risk that printed knowledge will fade or digital efforts will leave behind those without internet or devices. Integrated libraries can support economic growth, innovation, and equity in education, but only if they are planned with clear goals, funding, and local needs in mind.



Libraries and Informed India

Libraries help education by giving free and trusted learning materials to all kinds of learners. Students use libraries for textbooks, reference books, and now also digital sources. This supports school and higher education and reduces the cost of learning. Libraries also give a quiet place to read and think, which many homes cannot provide. India's National Education Policy also sees libraries as important for quality learning and reading habits, especially from a young age (Ministry of Education, 2020). But critically speaking, many libraries are still underused because collections are old or services are not active. So their educational role is strong in idea, but uneven in practice. Libraries also support innovation by giving access to new knowledge, research journals, and skill-based resources. When students, researchers, or entrepreneurs read widely, they get new ideas. Many innovations start from reading and research, not only from laboratories. Digital sections of libraries now provide access to global research, which helps Indian scholars connect with world knowledge. However, innovation support works only when libraries are updated and librarians guide users properly. Without training and modern resources, libraries cannot fully support innovation. For informed citizenship, libraries are very important. They give reliable information on society, history, law, and public issues. This helps people think critically and not believe every message on social media. Public libraries are often called democratic spaces because everyone can enter and learn. The IFLA-UNESCO Public Library Manifesto states that libraries support informed and active citizens by giving free and equal access to knowledge (IFLA & UNESCO, 2022). Still, many citizens are not aware of library services, so their civic role is not fully realized. For a developed India, libraries must be active community knowledge centers, not just book storage places.

Conclusion

Libraries remain very important for India's development because they connect people with knowledge. Both traditional and digital libraries help in learning, research, and awareness. When people get correct information, they can make better decisions for themselves and for society. The discussion shows that libraries are not only book places but social and educational institutions. They support students, researchers, and common citizens. If libraries are updated, inclusive, and well-managed, they can reduce knowledge gaps and support equal growth in rural and urban India. For Viksit Bharat@2047, libraries must grow with time. Integration of digital and traditional services, trained librarians, and proper support are necessary. A strong library system can help build an educated, informed, and responsible nation.

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Original Article

Internalised Colourism and Its Impact on Women's Psyche: Indian Perspective

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Women's lives are still shaped by colorism in ways that are frequently subtle, private, and long-lasting psychologically. Although skin tone discrimination is generally recognized in public discourse, its internalization inside women's self-perception is given relatively little attention. Internalized colorism and its psychological effects on women are examined in this essay with a focus on the sociocultural backdrop of India. This paper makes the case that colorism functions not only as a social hierarchy but also as a profoundly psychological process that undermines self-esteem and defines identity. Using examples from marriage customs, workplaces the Indian film industry and regular social encounters. The study acknowledges resistance and complexity in women's lived experiences while placing internalized colorism within historical, cultural and gendered contexts by foregrounding women's emotional and psychological realities. This study seeks to extend conversations on gender equality and social inclusion beyond structural discrimination to include internalised form of oppression. By foregrounding women's emotional and psychological realities, the study seeks to extend conversations on gender equality and social inclusion beyond structural discrimination to include internalised forms of oppression.

Keywords: Colourism, Internalised Oppression, Women's Psyche, Self-Esteem, Gender Equality, Indian Society, Social Inclusion

Introduction

Colourism rarely presents itself as overt hostility. Often it arrives wrapped in familiarity, concern or casual humour. A derogatory comment from a relative or a friend about staying out of Sun, a matrimonial preference for lighter skinned bride or a movie or daily soap casting decision that favours lighter skin can appear of little value in isolation. Yet when such moments occur across, they leave marks that are difficult to forget. For many women especially in India, colourism does not remain external for long. It becomes internalised and everyday thing shaping how women perceive their bodies, desirability and ultimately their sense of self perception. Examining internalised Colourism is a complex thing in Indian scenario. Skin tone intersects with gender, caste, class, colonial history and globalised beauty standards. Although colourism affects men as well which is often neglected by the society and never considered as a significant concern. On the other hand, Colourism affects psychologically on women, for whom appearance is closely tied to social value and respectability. Lighter Skin colour is often framed not as a preference but as a necessity for marriage, professional success, and public acceptance all over India. This paper explores internalised colourism as a psychological phenomenon that operates within society in every day. Rather than focusing solely on institutional discrimination it examines how repeated social messages about skin tone are absorbed normalised and reproduced within women's own self-concepts. Through examples from various sources like matrimonial practices, employment sector, Indian cinema and daily social interactions with people. The study highlights how colourism has huge impact on depleting self-esteem of a person and emotional vulnerability. At the same time, it acknowledges resistance, nuance and the limits of a singular narrative.



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Conceptualising Internalised Colourism

Internalised colourism refers to the process through which individuals accept and practice socially imposed hierarchies of skin tone favouring lighter skin. Unlike overt discrimination, which can be identified and challenged externally, internalised colourism operates quietly within the familial or societal group. A darker skinned woman may believe that getting a rejection is natural and she might consider the darker skin as a flaw in her.

Many scholars have noted that internalised colourism is the most enduring consequences of systemic inequality (Fanon 18). When society repeatedly equate lighter skin with beauty, attractiveness, intelligence and success. Individuals measure themselves against these standards. In India it's quite common for such messages to circulate through family advice, advertisements, cinema, daily soap programs and everyday language. Over time they form a psychological backdrop against which women evaluate their worth. It would be reductive to suggest that internalised colourism affects all women. Experiences vary across region, class and communities. Still the persistence of colour hierarchies suggests that internalisation is not an isolated occurrence but a social phenomenon that demands closer examination of it.

Historical and Cultural Roots of Colourism in India

Skin colour discrimination hierarchies in India cannot be traced to a single origin. Pre-colonial associations between complexion, caste and labour existed but colonial rule intensified the symbolic value of whiteness by aligning it with power, governance and modernity (Parameswaran and Cardoza 215). Lighter skin became a visible marker of privilege, while darker skin was increasingly associated with inferiority. Post-independence India did not fully dismantle these associations. Instead, they were reconfigured through consumer culture and mass media. The expansion and popularity of fairness creams offer a stark illustration. Advertisements routinely depict darker-skinned women as insecure, unsuccessful or romantically unfulfilled. Transformation in these narratives arrives through lightened skin and public validation (Kumar 402). Such representations do more than sell products. They cultivate desire and shame simultaneously encouraging women to view their natural complexion as a problem requiring correction. Over time these narratives contribute to internalised dissatisfaction that extends far beyond appearance. People have no consciousness about it, and considering it to be valid and true as it appears on television.

Matrimony, Marriageability, and Gendered Worth

The Indian matrimonial system provides one of the clearest sites where colourism is normalised and publicly articulated and accepted. Matrimonial advertisements and online profiles frequently specify preferences for fair or wheatish skin-coloured brides, while darker skin tone is either omitted or framed as a disadvantage to be compensated through education or income. For women navigating these spaces repeated rejection based on skin tone can become psychologically damaging. Marriage in India often functions as a marker of social legitimacy. When women feel that their bodies disqualify them from getting selected as bride then self-doubt becomes deeply ingrained. Families may reinforce this insecurity on a girl from very young age sometimes unintentionally by framing a daughter's complexion as an obstacle to be managed. The emotional consequences are rarely discussed openly. Yet many women internalise the belief that love, stability and acceptance are conditional upon appearance. This belief can shape how they approach relationships often settling for less or doubting their right to demand respect.

Employment, Visibility, and Professional Self-Confidence

Colourism is widely practiced in professional sectors though its presence is often disguised as concerns about presentation or fit. Lighter-skinned women with porcelain skin are frequently perceived as more polished or customer-friendly particularly in sectors such as hospitality, aviation, media and corporate services (Hunter 25). Repeated experience of darker-skinned women to get rejected can subtly discourage them can erode their professional confidence. Feedback may focus less on competence and more on lighter skin, appearance, reinforcing the idea that success is tied to bodily conformity rather than skills. Over time this fosters self-censorship. Women may hesitate to pursue leadership roles or public-facing positions anticipating rejection before it occurs. While colourism does not operate in isolation from class, language or education. It often compounds these factors particularly for women from marginalised backgrounds. Ignoring its psychological impact risks overlooking a significant dimension of workplace inequality.

Cinema, Media, and the Politics of Representation

Darker-skinned women are restricted to supporting, comedic, or stereotypical roles in mainstream Indian cinema, which has significantly contributed to the reinforcement of colour hierarchies. Lighter skin is regularly linked to beauty, glamour, and desire. Because it influences imagination, representation is important. Women internalize limited notions of success and beauty when they seldom see bodies similar to their own lauded on TV (Hall 235). We have seen some opposition in recent years in the form of independent film and actors' public criticism. However, persistent patterns that favour light skin coexist with these changes. Though mild, the psychological effects are long-lasting. Early exposure to these images teaches young women which stories are romantic and admirable and others are merely incidental.



Everyday Bullying and Casual Social Policing

Colourism flourishes in daily interactions outside of institutions. Family's social events and schoolyards become places where skin tone is casually policed. Jokes, nicknames and sibling comparisons are frequently written off as harmless. However, these comments build up and influence one's self-perception long before adulthood. Adolescents who are made fun of for their skin tone may develop into adults who expect criticism even in situations that are neutral. While criticism seems, unavoidable compliments can seem unmerited. Thus, internalized colourism modifies emotional reactions, affecting how women perceive their futures set boundaries and receive affection.

Psychological Consequences and Self-Esteem

A weak feeling of self-worth is the result of internalized colourism. Women may have depressed tendencies associated with perceived inadequacy social anxiety or persistent unhappiness with their looks. Instead of being based on intrinsic worth, self-esteem becomes conditional and linked to proximity to prevailing beauty standards. To depict women only as victims would be deceptive. Many actively oppose colourist narratives finding power in alternative aesthetic frameworks supportive communities or feminist consciousness. However, resistance frequently appears after psychological damage has already taken place. Once internalized beliefs are formed. They are hard to unlearn.

Nuance, Resistance, and Limitations

Complexity must be taken into account in any understanding internalized colourism. Skin tone preferences are influenced by a variety of factors and not all instances of attraction or desire. Which is indicative of self-rejection. Women's experiences also vary by class, caste and geography. However, recognizing subtlety shouldn't lessen criticism. Framing colourism as a matter of personal preference is insufficient when darker-skinned women are often disadvantaged by colour discrimination. Internalized colourism continues to be a significant but frequently undetectable obstacle to social inclusion and gender equality.

Conclusion

Internalised colourism operates at the intersection of social structure and psychological experience. For Indian women the demand to live up to justice standards permeates private areas, influencing relationships, aspirations and self-worth. Matrimonial rejection workplace bias cinematic invisibility and everyday teasing collectively contribute to an emotional burden. It is rarely acknowledged in discussions of gender justice. Addressing colourism therefore requires more than surface-level representation or cosmetic inclusion. It demands attention to how deeply social hierarchies are embedded within the self. Perhaps the most radical intervention lies not in altering skin tone but in dismantling the belief that worth depends upon it. Change may be slow and uneven but each act of refusal each reclaimed narrative marks up a step toward psychological and social liberation of women.

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Original Article

Macaulay's Minutes to NEP 2020: De-colonizing the Indian Mindset for Viksit Bharat 2047

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For nearly two centuries, the Indian education system remained strongly shaped by the colonial framework institutionalized through Macaulay's Minute (1835), which aimed to produce a class 'Indian in blood and colour, but English in taste.' This colonial orientation prioritized administrative utility, foreign epistemologies, and examination-driven learning, often marginalizing indigenous knowledge systems and local languages. In the contemporary context of Viksit Bharat 2047, India's development agenda increasingly demands not only economic growth but also educational sovereignty and psychological decolonization. The National Education Policy (NEP) 2020 represents a pivotal shift by advocating mother-tongue instruction in early grades, integrating the Indian Knowledge System (IKS), promoting vocational dignity, and enabling multidisciplinary learning. This paper traces the historical trajectory of reforms from colonial stagnation to post-independence commissions arguing that NEP 2020 is the most comprehensive attempt to reclaim India's pedagogical identity. It concludes that decolonizing education is essential for building innovation capacity, self-reliance, and a future-ready workforce aligned with the 2047 mission.

Keywords: NEP 2020, Macaulayism, De-colonization, Indian Knowledge System (IKS), Pedagogy, Atmanirbhar Bharat, Educational Sovereignty Etc.

Introduction

India's goal of becoming a developed nation by 2047 is widely understood through economic indicators high GDP growth, technological leadership, and global competitiveness. Yet development is not only financial; it is also civilizational, psychological, and intellectual. A nation becomes truly developed when its youth acquire confidence, creativity, critical thinking, and the ability to produce new knowledge rather than merely consuming borrowed paradigms. In this sense, education becomes the most important long-term investment in the 2047 mission, because it determines the quality of future citizens, workers, innovators, and leaders. The need to decolonize Indian education arises from the historical reality that modern schooling structures in India were built during colonial rule to serve imperial interests. Colonial education was not designed primarily to empower Indians as knowledge creators. Rather, it aimed to create a limited class trained in English language and European thought to support administration, law, and revenue systems. Macaulay's Minute of 1835 famously proposed forming "a class of persons, Indian in blood and colour, but English in taste, in opinions, in morals, and in intellect." This mindset often described as 'Macaulayism' established deep cultural hierarchies in which English became associated with intelligence, modernity, and progress, while Indian languages and indigenous knowledge were treated as inferior or unscientific. After independence, India attempted to reshape education according to national ideals. Several commissions and policies emphasized democratic access, national development, and cultural rootedness.

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Innovation, research, patents, skilled employment, and entrepreneurship define the new world order. Therefore, the decolonization of education is not a symbolic or ideological exercise; it is a practical requirement for building an **Atmanirbhar (self-reliant) intellect** capable of meeting the demands of **Viksit Bharat 2047**. Within this framework, the **National Education Policy (NEP) 2020** can be understood as a turning point. It aims to reform not only the structure of schooling but also the meaning of learning itself. NEP 2020 advocates mother-tongue instruction in early schooling, interdisciplinary education, rooted in Indian realities and globally relevant competencies flexible curricula, vocational training from Class 6, and the integration of the Indian Knowledge System (IKS). Collectively, these reforms seek to dismantle the colonial 'rote-learning machine' and globally relevant competencies.

Objectives of the Study

This paper aims to:

1. Trace the colonial origins of Indian education and examine the psychological impact of Macaulayism.
2. Review major post-independence commissions and their role in redefining Indian education.
3. Analyze NEP 2020 as a framework for educational decolonization through language, IKS, vocational dignity, and interdisciplinary learning.
4. Connect decolonized education to the innovation and workforce needs of Viksit Bharat 2047.

Methodology

The study uses a qualitative and analytical approach based on secondary sources including historical documents, education policy texts, government reports, and scholarly interpretations. The analysis adopts a historical-comparative method that compares the colonial educational orientation with post-independence policy reforms and the contemporary shift under NEP 2020. Key official references include Macaulay's Minute (1835), the NEP 2020 document, and government clarifications on mother-tongue instruction and vocational education under NEP.

Colonial Stagnation (1835–1947): Education as an Imperial Tool

The British colonial education project was deeply political. Its purpose was not to develop India as a knowledge society but to govern India efficiently and cheaply. Macaulay's 1835 Minute argued for prioritizing English education and Western literature, dismissing the value of traditional Indian learning. The famous line about creating interpreters between colonizers and the 'millions whom we govern' shows how education was linked to administration rather than intellectual liberation. This approach shaped curriculum and pedagogy in several ways. First, knowledge was defined through European standards, producing a form of epistemic dependence. Second, local languages were marginalized, weakening cultural confidence. Third, learning became linked to memorization and examinations, discouraging creativity and experimentation. The colonial school system became a mechanism of producing clerks, not researchers; degrees, not discoveries. The Wood's Despatch (1854) further institutionalized this system by building a bureaucratic education structure, promoting Western knowledge, and expanding universities modelled on European frameworks. Together, these policies created a deep-rooted belief that modern knowledge is foreign and that Indian thought is backward. The result was not only an administrative education model but also a psychological colonization: the internalization of inferiority regarding indigenous intellectual traditions. This colonial legacy had long-term consequences. Even after independence, many middle-class aspirations remained tied to English-medium education, government jobs, and degree-based status mobility. While English opened opportunities and became an instrument of social mobility for many groups, the hierarchy of languages and knowledge systems also created inequality and alienation. Decolonizing education therefore means addressing both the colonial structure and the colonial mindset. Post-Independence Re-evaluation (1948–1986): Reform without Full Departure After independence, India recognized that education must serve national development, democracy, and social justice. Major commissions attempted to revise goals and expand access. The Radhakrishnan Commission (1948–49) focused on university education and emphasized that education should be 'Indian in character.' Although this vision was important, the higher education system continued to follow Western disciplinary models and elite structures. The main achievement was the strengthening of national frameworks, yet the deeper colonial patterns of pedagogy remained. The Kothari Commission (1964–66) is widely considered the most influential post-independence education commission. It emphasized national integration, quality improvement, and equal opportunity. Importantly, it recommended increasing education expenditure toward **6% of GDP**, reflecting a strong commitment to educational expansion. It also supported the "three-language formula" to balance national unity with regional linguistic rights. Despite its visionary ideas, implementation was uneven due to resource constraints, administrative limitations, and political complexities. The National Policy on Education (1986) and its later revision (1992) focused on universal access, equality, and school infrastructure expansion. Programs such as Operation Blackboard improved the physical availability of schooling. However, structural continuity persisted. Education remained heavily exam-driven, the 10+2 framework continued, and the deeper decolonization of curriculum and pedagogy was limited. As a result, India expanded literacy and enrolment but did not fully transform learning into a system that promotes research, innovation, and indigenous intellectual confidence. NEP 2020 as a De-colonization Framework: Key Pillars and Examples



NEP 2020 is often described as a comprehensive policy reform because it attempts to reimagine education from the foundational level to higher education. Its decolonizing potential lies in four major reforms: language, IKS integration, vocational dignity, and interdisciplinarity.

Mother Tongue Instruction: Restoring Cognitive and Cultural Confidence

One of the strongest colonial myths was that intelligence is tied to English. NEP 2020 challenges this by recommending that the medium of instruction should be the home language/mother tongue/local language “until at least Grade 5, but preferably till Grade 8 and beyond.” This approach has two major impacts. First, it improves learning outcomes because children understand concepts more deeply in familiar languages. Second, it restores cultural confidence and reduces linguistic alienation, especially among rural and marginalized communities. Decolonization here does not mean rejecting English. It means refusing to treat English as the only gateway to intellectual legitimacy. NEP 2020 positions multilingualism as strength, allowing Indian languages to become vehicles of knowledge, science, and creativity. UNICEF also notes that children learn best when taught in familiar languages, reinforcing the educational logic behind this shift.

Indian Knowledge System (IKS): Reclaiming India as a Knowledge Producer

Colonial education positioned India as a receiver of Western knowledge. NEP 2020 attempts to reverse this by promoting the integration of the **Indian Knowledge System** into curricula. This includes exposure to India’s historical contributions in mathematics, astronomy, medicine, metallurgy, ecology, linguistics, philosophy, art, architecture, and ethics. The aim is not to romanticize the past but to reconnect learners with a civilizational tradition of inquiry and innovation. IKS integration can be illustrated through examples like Vedic mathematics concepts, Ayurveda’s holistic health approach, ancient water-harvesting systems, metallurgical achievements such as high-quality steel and zinc distillation, and sustainable ecological practices embedded in traditional agriculture. When students learn that India historically generated scientific knowledge, they develop intellectual self-confidence. This is essential for 2047 because innovation requires both skills and self-belief.

Vocational Dignity: Ending the Colonial Stigma around Skilled Work

Colonial education created a separation between ‘mental work’ (white-collar) and ‘manual work,’ often stigmatizing artisanship and vocational skill. NEP 2020 counters this by introducing vocational education from **Class 6**, including internships and ‘bagless periods’ where students work with local vocational experts such as carpenters, gardeners, potters, and artists. This reform is fundamentally decolonizing because it restores dignity to productive labour and aligns education with employability. In an economy aiming for 2047 development, vocational training is not secondary it is strategic. Skilled workers are essential for manufacturing, infrastructure, renewable energy, healthcare, agriculture modernization, and the service sector. By respecting artisanship, NEP 2020 also restores the cultural value of India’s ‘karigar’ tradition, making education more socially inclusive and economically practical.

Multidisciplinary Learning: Breaking Colonial Silos

Colonial education often promoted rigid disciplinary boundaries and narrow specialization. NEP 2020 seeks to dismantle these silos by enabling multidisciplinary education, flexibility in subject choices, and creative combinations of arts, science, and vocational learning. This reform supports a future-ready workforce because modern problems climate change, public health, AI ethics, sustainable development require cross-disciplinary thinking.

Decolonization here means freeing Indian learners from borrowed academic structures that do not suit India’s complex realities. By promoting critical thinking, problem-solving, and holistic learning, NEP 2020 moves beyond rote memorization and empowers learners to become innovators.

De-colonized Education and Viksit Bharat 2047

The 2047 mission requires India to become a global leader in innovation and productivity. This cannot be achieved through an education system that merely produces degree-holders. Instead, India must produce skilled professionals, researchers, entrepreneurs, and creators of original solutions. Decolonizing education directly supports this goal in four ways. First, mother-tongue learning strengthens foundational literacy and numeracy, improving cognitive development and reducing dropout. Second, IKS integration builds identity and confidence, helping students see themselves as capable knowledge producers. Third, vocational dignity creates a skilled workforce essential for manufacturing and services. Fourth, multidisciplinary learning promotes creativity and innovation, the key resources of the 21st century.

Therefore, the road to Viksit Bharat is not only built through economic policy but also through intellectual sovereignty. A nation becomes developed when it generates its own research priorities, designs its own solutions, and maintains cultural grounding alongside global competitiveness. NEP 2020 offers this possibility by redefining education as a civilizational project.

Challenges in Implementation: The Decolonization Gap Despite NEP 2020’s promise, implementation remains the key challenge. Education is a concurrent subject in India, meaning states must actively adopt reforms. Teacher training, curriculum development, textbook creation in local languages, assessment reforms, and infrastructure for vocational training require sustained investment. Moreover, decolonization cannot be achieved only through policy texts; it needs a cultural transformation in society that stops treating English-medium education as the only symbol of intelligence.



Another challenge is balancing global competitiveness with local rootedness. Decolonization does not mean isolation from global knowledge. Instead, it means building a confident system that engages globally while being grounded locally. NEP 2020's success will depend on this balance.

Suggestions for Strengthening NEP 2020 for 2047 Goals

To maximize NEP's decolonizing potential for 2047:

1. Strengthen teacher training for multilingual and experiential pedagogy.
2. Develop quality IKS modules that are research-based and not purely ideological.
3. Build strong school-industry linkages for meaningful vocational internships.
4. Reform assessment toward competency, creativity, and application-based evaluation.
5. Expand research culture in higher education and support innovation ecosystems.

Conclusion

The journey from Macaulay's Minute (1835) to NEP 2020 reflects India's long struggle to reclaim educational sovereignty. Colonial education attempted to produce a class aligned with imperial needs, promoting English superiority and weakening indigenous intellectual confidence. Post-independence commissions expanded access and national development goals but did not fully dismantle colonial pedagogy. NEP 2020 represents the most comprehensive attempt at decolonization by promoting mother-tongue instruction, restoring dignity to vocational skill, enabling multidisciplinary learning, and integrating the Indian Knowledge System. As India moves toward Viksit Bharat 2047, success will be measured not only by GDP growth but also by India's ability to generate original research, innovation, and solutions rooted in its own civilizational ethos. A decolonized education system will create globally competent, culturally grounded youth capable of leading India into the future as a true knowledge superpower.

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Original Article

Migration Trends and Tribal Population Dynamics in Akkalkuwa Tahsil: A Geographical Analysis

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Abstract

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Migration is an important demographic process that influences population composition, workforce availability, and socio-economic development, particularly in tribal-dominated regions. This study examines migration trends and tribal population dynamics in Akkalkuwa Tahsil of Nandurbar District using Census data from 2001 and 2011. By comparing changes in total population and Scheduled Tribe population, the study attempts to understand the nature of demographic change and migration tendencies in the region. The findings indicate that despite geographical isolation and limited economic opportunities, the tribal population has shown steady growth, suggesting limited permanent out-migration and the prevalence of seasonal or circular migration. The study highlights the role of geographical factors and socio-economic conditions in shaping tribal migration patterns.

Keywords: Tribal Population, Migration Trends, Population Dynamics, Akkalkuwa Tahsil

Introduction

Migration is a key component of population change, along with fertility and mortality. In tribal regions of India, migration is often shaped by environmental conditions, availability of resources, employment opportunities, and access to basic services. Tribal communities generally depend on agriculture, forest resources, and wage labor, which makes them vulnerable to economic fluctuations and seasonal unemployment. Akkalkuwa Tahsil, located in the northern part of Maharashtra, is predominantly rural and tribal in character. The region is marked by hilly terrain, forest cover, and relatively poor infrastructure. These conditions influence both settlement patterns and population mobility. Over time, migration has emerged as a livelihood strategy, especially among working-age tribal populations. Studying census-based population changes helps in understanding indirect migration trends and demographic behavior in such areas.

Study Area

Akkalkuwa Tahsil is situated in Nandurbar District of Maharashtra. It lies in the Satpuda hill range and shares borders with Gujarat and Madhya Pradesh. The tahsil is largely rural with scattered villages and a high concentration of Scheduled Tribe population. Agriculture, forest-based activities, and seasonal labor work form the main sources of livelihood. The physical isolation of the region plays a major role in shaping population growth and migration behavior

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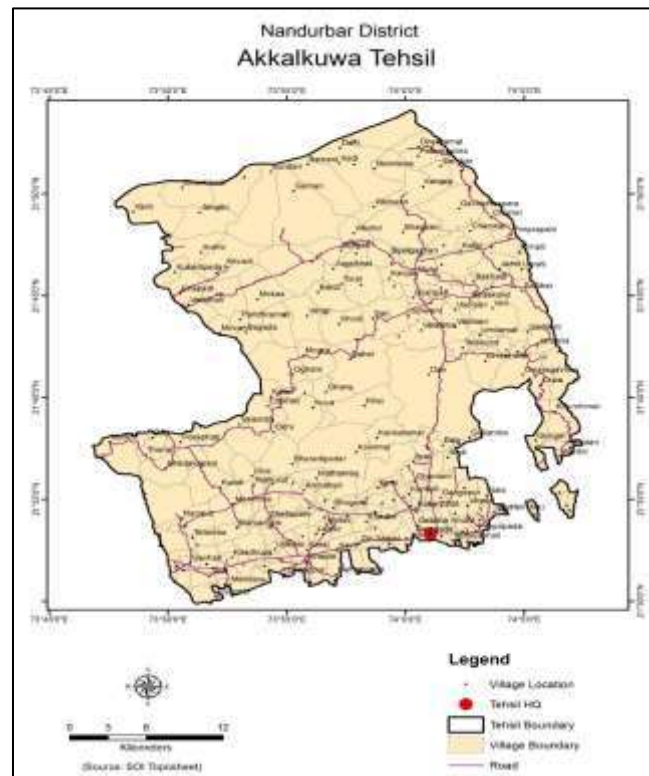
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Fig. No. 01



Objectives

1. To analyze migration trends based on population growth patterns.
2. To study the relationship between geographical conditions and tribal migration.
3. To assess the demographic implications of migration in the study area.

Methodology

The present study adopts a descriptive and analytical research design to examine migration patterns in Akkalkuwa Tahsil. The methodology is based primarily on secondary data, supported by limited qualitative insights to understand the nature and causes of migration among the tribal population. To analyze recent migration trends over the last decade, data from district statistical handbooks, government reports, and local administrative records were consulted. Seasonal migration patterns were identified through indicators such as workforce participation, occupational structure, and dependency on agriculture and informal labor. Simple statistical techniques such as percentage change and comparative analysis were applied. The results were presented using tables and descriptive interpretation, linking migration patterns with geographical, economic, and socio-cultural factors influencing tribal mobility in Akkalkuwa Tahsil.

Discussion

The data shows a significant increase in both total population and tribal population between 2001 and 2011. The Scheduled Tribe population not only increased numerically but also increased in proportion. This suggests that large-scale permanent migration out of the tahsil is limited. The geographical isolation of Akkalkuwa reduces opportunities for permanent relocation, while strong social and cultural attachment to land encourages return migration. Seasonal migration for agricultural labor and construction work outside the tahsil is common, but migrants often return after the work season. This pattern explains population growth alongside continued migration. The increase in tribal population percentage also indicates higher natural growth rates within tribal communities compared to non-tribal groups. An analysis of migration trends in Akkalkuwa Tahsil over the last ten years indicates that migration is predominantly seasonal and livelihood-oriented rather than permanent. Due to limited local employment opportunities, a significant proportion of the tribal population especially young males temporarily migrate to nearby urban and industrial regions of Maharashtra, Gujarat, and Madhya Pradesh for work in construction, agriculture, brick kilns, and informal services. However, this migration is largely circular in nature, with migrants returning to their native villages after the work season. Despite continuous out-migration, the overall population of the tahsil has not declined,

suggesting that natural population growth offsets migration losses. Strong social ties, dependence on land and forests, and cultural attachment discourage permanent relocation. Female and elderly populations remain largely stationary, contributing to demographic stability at the village level. The absence of skill-based employment locally continues to push seasonal migration, while inadequate infrastructure and education limit upward mobility. Overall, the migration pattern of the last decade reflects economic compulsion rather than voluntary relocation, highlighting the need for local employment generation and skill development to reduce distress migration.

6.1 Migration Data Analysis in Akkalkuwa Tahsil

Due to the absence of continuous annual migration records at the tahsil level, migration analysis has been carried out using Census migration indicators, workforce characteristics, and population change patterns. Migration is assessed mainly through place of last residence, duration of residence, and seasonal mobility patterns observed among the tribal population.

Table 1: Migration Characteristics in Akkalkuwa Tahsil, 2011

Migration Indicator	2011 Census Observation
Total Migrants	18-22% of total population
Male Migrants	Higher than female migrants
Female Migrants	Mostly marriage-related
Nature of Migration	Predominantly short-term / seasonal
Major Destinations	Gujarat, MP, urban Maharashtra
Main Reasons	Employment, agriculture, construction
Duration	3-6 months annually

Table 2: Workforce-linked Migration Pattern, 2011

Category	Percentage
Agricultural Workers	54%
Marginal Workers	28%
Main Workers	18%
Seasonal Migrants among Workers	30-35%

The migration data reveals that nearly one-fifth of the population in Akkalkuwa Tahsil is involved in some form of migration, either seasonal or semi-permanent. Male migration dominates due to employment-related movement, particularly in construction, agricultural labor, brick kilns, and informal urban services. Female migration is largely associated with marriage and family relocation, showing limited independent economic migration. The high proportion of marginal workers (28%) reflects livelihood insecurity and strongly correlates with seasonal migration. During agricultural off-seasons, tribal workers migrate temporarily to nearby states such as Gujarat and Madhya Pradesh, where demand for low-skilled labor is high. However, most migrants return to their native villages after the work season, confirming the circular nature of migration. Despite continuous migration, the overall population of Akkalkuwa Tahsil continues to grow due to high natural increase, indicating that migration does not significantly reduce the population base. Strong social attachment to land, dependence on forest resources, and cultural cohesion discourage permanent migration.

6.2 Key Findings from Migration Data

- Migration rate is moderate but persistent.
- Seasonal migration dominates over permanent migration.
- Male workforce participation strongly influences migration trends.
- Economic necessity is the primary driver of migration.
- Migration has limited impact on long-term population decline
- Migration in the region is largely seasonal or circular rather than permanent.
- Geographical and socio-economic factors strongly influence migration behavior.

Conclusion

The analysis of migration data clearly indicates that migration in Akkalkuwa Tahsil is moderate in scale and predominantly seasonal in nature, driven mainly by economic necessity rather than permanent relocation. Census-based indicators show that a significant section of the tribal workforce participates in short term migration during agricultural off seasons, primarily to nearby states and urban centers for employment in low skilled sectors. However, this migration has not resulted in population decline, as high natural growth rates and strong socio-cultural attachment to native villages encourage return migration. The dominance of circular migration reflects limited local livelihood options, marginal workforce participation, and inadequate skill development. Overall, migration in Akkalkuwa Tahsil functions as a survival strategy rather than a pathway to long term socio-economic mobility, highlighting the need for



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localized employment generation, infrastructure development, and skill-based interventions to reduce distress driven migration.

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Original Article

Comparison of Direct and Indirect Tax Structures in India: An Analytical Study

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Taxation plays an important role in the development of every country, especially for a developing country like India. A well-structured tax system ensures adequate revenue generation, equitable income distribution, and economic stability for any state. The Indian tax system is mainly classified into two types – a) Direct Taxes and b) Indirect Taxes, each tax system has its own characteristics, advantages, and limitations. This paper compares direct and indirect tax structures of Indian tax system with respect to equity, efficiency, revenue generation, administrative feasibility, and economic impact. The study is based wholly on secondary data, which is collected from various government reports, budget documents, previous research studies etc. The findings show that direct taxes are progressive and equitable, but face challenges such as compliance and tax evasion, and indirect taxes, particularly after the introduction of GST, have increased revenue but remain regressive in nature. The paper concludes that for achieving inclusive and sustainable growth balanced mix of both taxes is essential.

Keywords: Direct Tax, Indirect Tax, Indian Tax System, GST, Tax Structure

Introduction

Taxation is one of the most important instruments of public finance in the hands of the state. It serves as a source of revenue generation, economic regulation, social equality, and welfare tools in hand of government (Musgrave & Musgrave, 1989). For creating an easiest, efficient, and growth-oriented tax system India taxation has undergone significant reforms since last eight decades of independence. Direct taxes and indirect taxes are two major types of taxes exists in Indian tax structure (Government of India, Ministry of Finance, 2024). ‘A tax which is directly levied on income or wealth and are paid by the same person on whom it is imposed is known as direct tax. Income tax and corporate tax are examples of direct tax system in India’ (Government of India, Ministry of Finance, 2023). ‘Taxes which are levied on goods and services and can be shifted to consumers is indirect tax. Goods and Services Tax (GST), customs duty, and excise duty are indirect taxes in India.’ (Government of India, 2017). The debate between the relative merits of direct tax system and indirect tax system has been long-standing and endless. Direct taxes are considered more equitable as they are based on the income principle (higher income higher tax), while indirect taxes are often criticized for being regressive. In the other hand, indirect taxes are easier to administer and substantial revenue generation tool in the hand of government, especially after the introduction of GST in 2017 and subsequent GST reforms in September 2025 (Government of India, n.d.), the importance of indirect tax collection has increased significantly and become more transparent and easier to compliance. This investigation aims to provide an analytical comparison of direct tax structure and indirect tax structures in India, highlighting their role, effectiveness, and impact on the economy.

Review of Literature

Following are the several researchers who investigated the structure and impact of direct and indirect tax structure in India.

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Musgrave, R. A., & Musgrave, P. B. (1989), emphasized that a sound tax system should balance equity, efficiency, and administrative simplicity. They argued that direct taxes promote vertical equity, while indirect taxes contribute to stable revenue generation. Chetty, R. (2014), analysed India's tax reforms and highlighted that despite improvements in direct tax collections, India remains heavily dependent on indirect taxes. The study suggested strengthening direct tax administration to improve tax compliance. Keen, M. (2012), studied the role of indirect taxes in developing countries and concluded that indirect taxes are easier to implement but can adversely affect income distribution if not properly designed. Pillai, S. (2023), conducted a comprehensive comparative study of direct and indirect tax reforms in India, assessing how tax policy changes have shaped revenue generation, economic growth, equity, and administrative efficiency. OECD. (2020), reported that India's tax-to-GDP ratio is lower than that of many developing economies, indicating the need for reforms in both direct and indirect taxes to enhance revenue mobilization.

Objectives of the Study

1. To examine the structure and nature of direct and indirect taxes in India.
2. To comparative study of direct and indirect taxes.
3. To study the economic impact of direct and indirect taxes.
4. To suggest measures for improving the Indian tax structure.

Research Methodology

For present study descriptive and analytical research design is adopted, which is based on secondary data only is used for data analysis. The analysis focuses on the structural composition and functional role of direct and indirect taxes in India through a comparative framework. Secondary data has been collected from various government reports, journals, academic books, etc. The study examines equity, efficiency, and revenue implications of both tax structures using qualitative analytical techniques and systematic comparison to assess the present study is conceptual in nature, so no primary data collection is required. The adopted methodology is appropriate for addressing the stated objectives of the study (Kothari, 2004).

Comparison of Direct and Indirect Taxes

The comparison between direct taxes and indirect taxes is presented below on important economic and administrative grounds.

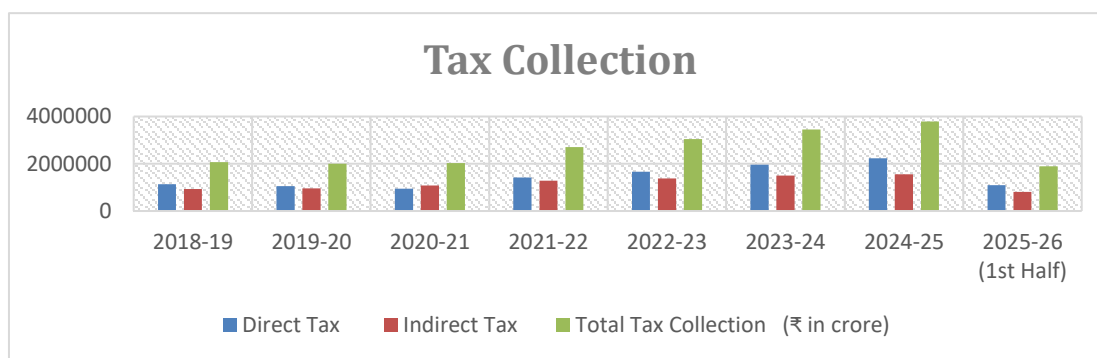
1. **Basis of Levy:** Direct taxes are levied directly on the income or profit earned by of individuals, businesses, and professionals. On other hand indirect taxes are imposed on goods and services at various stages of production and distribution. These taxes are collected at the point of sale or consumption (Musgrave & Musgrave, 1989).
2. **Tax Burden:** The burden of tax is on the same person on whom it is imposed and cannot be shifted to other, and the taxpayer is legally and economically responsible for payment in case of direct taxes. In case of indirect taxes, tax burden to be shifted on consumer (Rao & Chakraborty, 2010).
3. **Equity:** Direct taxes are progressive in nature as higher income groups pay a higher rate of tax, this principle promoting income equality. Direct taxes are based on the ability to pay principle and help in reducing economic inequality. Indirect taxes are generally regressive because the same rate is charged on all consumers, irrespective of their income level. As a result, they place a relatively higher burden on low-income groups (Rao & Chakraborty, 2010).
4. **Revenue Generation:** Indirect taxes contribute a significant share to total tax revenue due to their broad base and continuous nature of collection. Since they are linked to consumption. Revenue collected from indirect taxes remains relatively stable. Although direct taxes are important for equity, generate comparatively lower revenue because of a narrow tax base. Tax evasion and exemptions further limit direct tax collections (OECD, 2020).
5. **Administrative Efficiency:** The administration of direct taxes involves detailed assessment, filing of returns, and scrutiny, which increases administrative complexity. Issues such as tax evasion and avoidance further reduce efficiency. Indirect taxes are easier to administer as they are collected at fewer points in the supply chain. After the introduction of GST compliance and transparency improved in indirect tax administration (Government of India, 2017).
6. **Economic Impact:** Direct taxes have not much affected the prices and inflation, because they are levied on income rather than consumption. They influence savings and investment decisions of taxpayers. Indirect taxes directly affect the prices of goods and services and may contribute to inflationary pressures. High tax rates can reduce purchasing power, especially low-income consumers (Musgrave & Musgrave, 1989).
7. **Tax Compliance:** Direct taxes rely heavily on voluntary compliance by taxpayers, which increases the risk of evasion and underreporting of income. Effective compliance requires strong monitoring and enforcement mechanisms. Indirect taxes ensure better compliance as they are collected at the point of transaction. The tax burden is embedded in prices, reducing the scope for evasion. (OECD, 2020).
8. **Stability of Revenue:** Tax collection from direct taxes fluctuates with changes in income levels, business cycles, and economic growth. Indirect taxes are relatively stable and predictable tax revenue because consumption continues even during pandemic. It's a reliable source of revenue for government (OECD, 2020).

Direct and Indirect Tax Collections During 2018-19 to 2025-26

(₹ in crore)

Year	Total Tax Collection	Direct Tax	Ratio with Total Tax	Indirect Tax	Ratio with Total Tax
2018-19	2075040	1137718	54.83%	937322	45.17%
2019-20	2004194	1050681	52.42%	953513	47.58%
2020-21	2021985	947176	46.85%	1074809	53.15%
2021-22	2702084	1412422	52.27%	1289662	53.15%
2022-23	3045621	1663686	54.64%	1381935	45.36%
2023-24	3456280	1960166	56.72%	1496114	43.28%
2024-25	3785971	2226375	58.80%	1559596	41.20%
2025-26 (1 st Half)	1897637	1092163	57.55%	805474	42.45%

Source: Income Tax Department *Department of Revenue, Government of India.



Above data shows the comparison between direct tax collection and indirect tax collection during 2018-19 to 2025-26 (for financial year 2025-26 direct tax and indirect tax collection figures of 1st half). Crises such as economic slowdown and COVID – 19 pandemics impacted during 2019-20 and 2020-21, but increased rapidly thereafter due to quick recovery, higher incomes, and improved compliance. A continuous and significant growth in both direct tax and indirect tax collections in India during the period 2020–21 to 2025–26. Direct tax collection is higher compared to indirect taxes, reflecting higher income levels, improved tax compliance, and effective enforcement measures. On other hand Indirect tax collections have also shown slow but steady growth after post COVID-19 period, suggesting recovery in consumption and production activities. Overall, the trend shows strengthening fiscal capacity and a broadening tax base in the post-pandemic period.

Findings and Implications of the Study

1. The study indicates that indirect taxes continue to contribute a larger share in total tax revenue, although direct tax collections have grown consistently in recent years, indicating a gradual shift towards a more progressive tax structure.
2. Direct taxes play a crucial role in promoting equity and income redistribution due to their progressive nature, whereas indirect taxes impose a relatively higher burden on lower-income groups.
3. Post-GST reforms have significantly improved the efficiency, transparency, and stability of indirect tax collection through digitalisation and enhanced compliance mechanisms.
4. The growth in direct tax collections reflects the expansion of the formal economy, improved tax administration, and better enforcement measures.
5. Tax revenues declined during the COVID-19 pandemic; however, the post-pandemic period shows strong recovery in direct tax collections and steady growth in indirect taxes, strengthening fiscal capacity.
6. Post COVID - 19 recovery shows improvement in direct tax collections shows a gradual shift towards a more equitable tax system and increase progressivity, but indirect taxes continue to contribute a larger share relative to total tax collection, suggesting a regressive bias in the tax structure.
7. The findings highlight the increasing importance of direct taxes in fiscal consolidation while underscoring the need for a balanced tax mix to ensure equity, efficiency, and revenue sustainability.

Suggestions



1. Policymakers should strengthen direct tax mechanisms to improve equity and reduce overdependence over indirect taxes.
2. Rationalisation of indirect tax rates is important to minimise inflationary and regressive effects.
3. Continuous improvement in tax administration and compliance measures will enhance revenue stability.
4. The share of direct taxes should be enhanced through widening of the tax base and rationalisation of exemptions.
5. GST structures may be simplified to reduce compliance and administration pressures.
6. Greater focus should be placed on protecting low-income groups from the regressive effects of indirect taxes.
7. Strengthening digital tax administration can further improve compliance and revenue efficiency.
8. Periodic review of tax policies is required to align revenue objectives with equity and growth goals.
9. Develop AI based mechanism in taxation system for further improvement, easy compliance, effective and fast refund system in direct and indirect tax system.

Limitations of the Study

1. The study is based on secondary data, which may limit the depth of analysis.
2. State-level variations in tax collection are not separately analysed.
3. Recent tax policy changes may not be fully captured.

Conclusion

The study concludes that both direct and indirect taxes play a crucial role in India's fiscal system. While direct taxes ensure equity and income redistribution, indirect taxes contribute significantly to revenue generation and administrative efficiency. However, overdependence on indirect taxes can create inequality and inflation. Therefore, a developing country like India needs a well-balanced and reformed tax structure that combines the strengths of tax systems to achieve sustainable and inclusive economic development with '*Viksit Bharat 2047*' vision.

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Original Article

Digital Detoxification as a Tool to Improve Emotional Well-Being of XI std Students

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Abstract

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Excessive use of smartphones and digital devices in the digital era has become a significant concern among students, resulting in emotional disturbances such as stress, anxiety, irritability, and diminished self-control. Digital detoxification, defined as the voluntary reduction or controlled use of digital devices, has emerged as a promising strategy to enhance emotional well-being. This study statistically analyzes the impact of digital detoxification on the emotional well-being of higher secondary students. A sample of 100 Class XI students participated in a structured digital detox program lasting seven days. Pre-test and post-test surveys were conducted using standardized emotional well-being indicators. Statistical analysis demonstrated a significant reduction in stress and anxiety levels, as well as a notable improvement in emotional stability following the detox period. These findings indicate that digital detoxification can serve as an effective tool for enhancing students' emotional well-being and should be promoted within educational institutions.

Keywords: Digital Detoxification, Emotional Well-Being, Adolescents, Smartphone Addiction, Mental Health

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Introduction

The rapid advancement of digital technology has transformed education, communication, and entertainment. However, excessive screen time among students has raised significant concerns regarding emotional and psychological health. Adolescents are especially susceptible to digital addiction due to continuous exposure to social media, online gaming, and instant messaging platforms. Research indicates that prolonged digital engagement is associated with increased stress, anxiety, mood swings, and emotional instability. Digital detoxification refers to a conscious and planned break from digital devices to restore balance between online and offline life. This research examines digital detoxification as an effective tool to improve emotional well-being among higher secondary students through a statistical approach.

Objectives of the Study

1. To assess the level of digital device usage among Class XI students.
2. To analyze the emotional well-being of students before and after digital detoxification.
3. To study the effectiveness of digital detox in reducing stress and anxiety levels.
4. To suggest measures for promoting healthy digital habits among students.

Hypothesis

- **H₀ (Null Hypothesis):** Digital detoxification has no significant effect on the emotional well-being of students.
- **H₁ (Alternative Hypothesis):** Digital detoxification significantly improves the emotional well-being of students



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Methodology

Research Design

A **quantitative pre-test and post-test experimental design** was used.

Sample

- Sample size: **100 students**
- Class: **XI Standard**
- Sampling method: **Simple random sampling**

Tool for Data Collection

A structured questionnaire based on a **5-point Likert scale**, measuring:

- Stress level
- Anxiety level
- Emotional stability
- Mood control

Digital Detox Program

Students were instructed to:

- Limit mobile usage to **less than 1 hour per day**
- Avoid social media and gaming for **7 days**
- Engage in offline activities such as reading, sports, meditation, and family interaction

Data Analysis and Interpretation

Table 1: Average Screen Time Before Digital Detox

2–4 hours	25%
4–6 hours	45%
Above 6 hours	30%

Interpretation

75% of students used digital devices for more than 4 hours daily, indicating high digital dependency.

Table 2: Emotional Well-Being Scores (Mean Values)

Stress Level	3.9	2.4
Anxiety Level	3.7	2.3
Emotional Stability	2.6	3.8
Mood Control	2.8	3.9

Interpretation

Post-test scores show a significant improvement in emotional well-being after digital detoxification.

Statistical Test (Paired t-Test)

- Calculated t-value: **6.42**
- Table t-value (0.05 level): **1.98**

Since the calculated value is greater than the table value, the **null hypothesis is rejected**.

Findings of the Study

- Excessive digital usage negatively affects students' emotional health.
- Digital detoxification significantly reduces stress and anxiety.
- Emotional stability and mood control improved after the detox period.
- Students reported better sleep, calmness, and increased self-awareness.

Conclusion

The study concludes that digital detoxification is a powerful and effective tool for improving emotional well-being among students. Statistical evidence strongly supports the positive impact of reduced screen time on stress management, emotional balance, and mental clarity. Educational institutions should incorporate digital detox awareness programs to promote healthy digital habits. Encouraging balanced technology use can help students lead emotionally stable and productive lives.

Suggestions

- Schools should conduct regular digital wellness workshops.
- Parents should monitor screen time at home.
- Students should practice periodic digital detox routines.
- Incorporating mindfulness and outdoor activities can enhance emotional health.



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Original Article

Global Footprints of Indian Culture

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India has a long ancient heritage of its various arts, literature, Geology, Geography, Astronomy, Ayurveda, Yoga, astrology, music, Natyashastra, myths, therapies, architecture, engineering, farming, philosophy, chemistry, economics, physics, naturopathy, space etc. . The human nature and methods of learning or acquiring knowledge through their literature is the source of Indian people. Indians have knowledge of various streams. They have their knowledge in science and technology. India is a country of its traditional knowledge. We found in many ways Indians were ahead in astrology. The Baan Stambha is the sign of Indians deep knowledge of south pole. It shows that Indians have made circumambulation. Thousands of years ago Indians contributed 27% to 30% of the world's contribution. The Indian people made their colonies all over India.
Keywords: Indian, myths, arts, astrology, yoga, literature, voyage, trade and Ayurveda.

Introduction

Indian Society has always shown its talent through their activities. They have nurtured and treasured their knowledge through their day today life. It is very tragic that we do not find any documentation of their trade and communication, *Mohonjodro* and *Sindhu* sinskriti were the developed cultures. The excavation of this culture was the milestone of Indian history that showed Indians advancement in every walk of life. Indians have travelled all over the world long ago but we do not have evidences of our tourism. Vedic Culture is popular all over the world. We have traces of Indian culture in Egypt and Europe also. *Vedic* culture is a model and ideal of Indians. *Ramayana* and *The Mahabharata* are the ideals of Indian people. *Bhagawadgita* is the essence of knowledge. We found traces of Indian culture in East. Meanwhile theory of India was studied all over the world. The theory traces that some years ago Indian people migrated in Africa and Europe. Especially, we have evidences of Celtic culture. Celtic is one of European language. It was spoken one thousand years ago. It has been proved now. Celtic people resided in Scotland and Ireland. The Celtic culture is very close to Indians. In the beginning of the nineteenth century Celtic people were living in France. *Druis Belenois Ategnatos* has put his views on Celtic culture that Celtic were none but Vedic and Hindu people. They were living in Kuru state. The Kuru means the Himalaya. Vedic culture was famous in Kirgistan to Tibet. Later on, some people from Vedic culture turned to Buddhism. They migrated to Europe. We have traces that these people observe the Hindu culture. As per *Talgeri's* opinion, the group of Hindu people live outside India, these groups are *Persians, Pakhtun, Balooch and Kiwas*. The same group of people live in Iraq and Syria, which is very similar to Hindu religion. *Yazidi* are the group not Muslim nor Christian. It is very close Hindu sect. The population of these people is about fifteen lakh all over the world. Pakistan defense portal [www; defence.pk](http://www.defence.pk) shows that *Yazidi* culture is very similar to Hindu sect. Their temples have been decorated with the pictures of Indian cobras and peacocks. Remarkable thing is that the peacock is not found in this area. The peacock is very similar to God *Subamanyam*. The yellow sun is symbol of *Yazidi* culture and the sun reflects twenty-one sunrays. Twenty-one is the holy number in Hindu religion. The *Yazidi* women smear *bindi* and have the tradition of lamp lighting as well as they believe in the theory of rebirth.

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The Yazidi people pray before God like Hindu people. They have so many events of prayer which are similar to Hindu culture. This is a proof that Hindu people have migrated two thousand years back in the various corners of the world. They have believed in the culture and still they observe the same culture.

We have proofs of Indian gods i.e. Jagannath, Balbhadra and Subharaya in Odessa of Ukraine where these idols are found in digging. If we have to study Indian treasure, we have a very good example of Berenike project. Berenike is a very ancient port of Egypt. It is near Suez Canal. The project started in 1994 with the joint efforts of Foreign Ministry of Netherlands and American Philosophy Centre. The port is built by King Ptolemy II 275 years back. It is named after his mother Berenike. The place is very vital of Indians colonization. Indians have trade in Egypt. While digging out where eight kilograms of black pepper is found. It shows India's glorious history of trade. The project has found out one Roman box having silk and a picture of Indian style. It shows that Indians were travelling all over the world three thousand years ago. Unfortunately, Indians could not strive the history and Vasco de Gama, Columbus Marco Polo and Huan Tshwang became popular amongst sailors and travelers. Berenike highlights on ancient India's trades and tourism.

We have evidences of Cambodian flag having Indian temple. This is the evidence of Indian culture spread all over the world. Angkor Wat is the largest Prayer temple in the world. Thousands of temples crafts, stone-book are the symbols of Indian culture spread in whole Asia. Indians know Napoleon, Vasco De Gama, Columbus but they don't know Jawa, Sumatra, Yawdeep, Shree Vijay Yashwarman, Angkor Wat. We have proofs on stone book of Angkor Wat is Kulasing

Bhujendra Kanya Someti Sa vanshkari Pruthivya I

Kaundinyamma Dvijpungevan Karyarth Patnitva Manaviyapi II

Chinese historians have written on Kaundiyas. So, the stone book of Angkor Wat has not been imaginary. South east nations observe Hindu rituals and traditions till today. According to some sources Sanskrit was the official language in Angkor Wat. Indonesia was ruled by Hindu Imperial Shrivijaya. Though Indonesia is Muslim country. It has so many signs of Hindu culture. Their currency has a picture of Shree Ganesha. The name of Airways is Garuda. Bali has also found stone book in Bramhi Lipi. Once Vietnam was Hindu Nation. It was divided into five parts i. e. Indrapur, Amaravati, Vijay (Champa) Hindu craft in Vietnam is famous. All these names are Hindu. The people in Vietnam were known as Cham who observe Hindu culture till today. The citizens of Thailand till believe that they are the race of lord Rama. Singapore's old name is Sinhapur. Sinhapur kingdom also used Sanskrit as their official language. Indians never carried their food identity. Indians never called these regions their colonies. Indians were also very good voyagers. They have travelled all over the world. The pictures of ships carrying people shows that Indians were skillful voyagers. They also build up some ports for their trades. They travelled all over the world. Vijaynagar empire has glorious history of ports and trades. It is said that Vasco de Gama reached India with the help of Indian ships. India was glorious during Mohenjodaro and Harappan culture. India was very progressive in watershed management. Grand Anicut dam is the example of Indian architecture. It is more than three hundred- and fifty-years old dams. It is built on the river Kaveri. It means Indian were very expert in building dams.

Indians have the knowledge of five great elements (*Panchamahabhuta*) These great elements are Earth (*Prithvi*), Water (*Jal*), Fire (*Agni*), Air (*Vayu*), and Space/Ether (*Akash*) They combine body structure. They also function as Vaat Pitta apha. It is life circle. India has the temples of Panchamahabhuta India has five temples of These Five Great elements. These are linear. It is very thought provoking how Indians built up such temples in one line back three thousand years.

Conclusion

In this way Indians were very advanced in their knowledge of all science like Yoga Ayurveda, Various therapies, architecture, engineering, farming, philosophy, chemistry, economics, physics, geology, astronomy, naturopathy, space etc.

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Original Article

The Dark Reality in Naipaul's India: A Wounded Civilization

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Vidyadhara Suraj Prakash Naipaul belongs to the Indian Soil. He is deeply conscious of his Indian (Aryan) ancestors migrating to Trinidad (West India) as indentured labourers. Naipaul writings dealt with cultural confusion of the third world and the problem of the outsider, a picture of his own experience as an Indian in the West-Indies. Naipaul is the product of a distinct combination of circumstances. He found the squalor of Trinidad stifling to his spirit. In his famous book "An Area of darkness" he tries to rediscover his roots, his visit to Trinidad had merely vindicated an early childhood to distance himself from the island. His An Area of Darkness (1864) is like a personal testament wherein he tries to rediscover his roots, though he lambastes Indians in the Process. Later work, India: A Wounded Civilization (1977) presents a contrasting picture. In place of lambastes, sardonic and a malicious temper there is genuine concern and a keen desire to know the civilization of his forefathers. At times his inborn prejudice hampers his study of India. Naipaul raises the pertinent question of rootlessness and existential crisis of identity. He is acknowledged throughout the world as a writer of diaspora because his creative domain reflects the spirit of cultures. He himself can be evaluated of Trinidadian by birth, Indian Brahmin by descent and Western by education and attitude. The creative COSMOS of Naipaul offers an existential paradigm which suggests the problem of rootlessness and his characters try their best to locate roots respect in this dislocated and displaced humanity. Naipaul's "An area of Darkness" seems to be modern saga of disgust and despair in the course of seeking the self and the society.

Key Words: - Dark Reality, Rootlessness, Crisis of Identity, COSMOS, Civilization

Introduction

There remained only India, the land of his Brahmin ancestors, his acquaintance with India was only through what he had heard about it from his parents, from his childhood he had romanticized India and on his visit sought to realize the romanticized images of the land of his forefathers, he writes with a touch of feeling, his ambivalent relation with the land of his ancestors, he reveals his attitude to India as / have no country to call my own, India for me is a difficult country, It isn't my home and cannot be my (IWC, 178) While commenting upon the democratic set up India, Naipaul once said: formal politics answered less and less, become more and more formal; towards the end it had the demeanour of a parlour game, and became an affair of head- counting and floor- crossing (IWS). The condition in Trinidad does not seem to be significantly different. The west India's dilemma is not sorted out by redeeming graces of what Naipaul call. 'The racial sense', the absence of which he holds responsible for the present-day India's problems. The racial sense is alien to Indian race; the words have no meaning. Historically, this absence of cohesiveness has been the calamity of India. (ACSCL, 86) his words are more applicable to the West Indian context. He writes of Indians: these people are all helpless, disadvantaged, easily unbalanced; the civilization they have inherited has long sour; living instinctive lives, crippled by rule..., they make up a society without a head (WWCL, 51).

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The concept of civilization has at times also formed a part of the justification by which some groups have exerted control over others. One school of thought says that civilization is a cultural identity. Which represent the broadest level of identification? Linguistically, civilization means "to dwell in an urban place." Technically, it means human innovation in the various fields of human activity that is conducive to man's progress on this earth; it is the product of man's intellect and effort in a specific place and at a particular time.

Thus, human civilization is a bundle of civilization that have intermixed and have mutually enriched one another throughout the ages. Nations and people have contributed to human civilization, as very nation has its own civilization that flourishes or collapse according to the nation's degree of commitment to the conditions of the civilization act, which always seeks greatness, sublimity and maturity. He has an ambivalent relation with the land of his ancestors though he deems himself an exile, a nomad, a bare for colonial and a Brahmin gypsy, In the preface to the work he reveals his basic attitude to India,

I have no country to call my own.

India for me a difficult country

It isn't my home and cannot be my home, (IWC, 57)

Disowning India apparently, he reveals a keen insight in to Indian history, traditions, culture, religion and social-political life and depicts India with uncanny and sharpness of perception of even smallest details. V.S. Naipaul has a unique ability to see through small silly details the hidden significance underneath: "fiction or any work of imagination allows the subject to attempt to give a quality of myth to what was agreed, pretty ridiculous, required the courage". Indeed, this work exposes some of the inherent defects of Indian civilization with great courage. He writes about family's area of experience and doing. So he has recourse to metaphors and elevates its importance adding of metaphysics. And he does it all with courage of conviction. Still the blinkers hamper the whole view. During his visits to ruined Hampi-Vijayanagar, Jaipur and slums of Bombay, rural districts on Bihar and Bengal, he meets with squalor, poverty, starvation and backwardness. In North Bihar and Bundi Kutch region of Rajasthan, he finds poor fields, Rugged-men, huts, Monsoon mud with ideas of human possibility almost extinct. But everyone is secure in his Karma, resigned to his lot passively living a simple life in holy poverty. Renaissance or Continuity: India...is left alone with the blankness of its decayed civilization. (MC. 167); India is without an ideology- and that was the failure of Gandhi and India together. Its ideology and that was the failure of Gandhi and India together. Its people have no idea of the state.... no historical notion of the past. No identity. (MC, 168) Naipaul quotes a lady comparing India to a Zoo. No doubt the decadent civilization achieved material progress in the area of industry, food production, science and technology. But Naipaul gives the credit for it to western civilization. He finds an inveterate slavish mentality and intellectual parasitism among the Indians, the conquered people. Prolonged foreign rule has paralyzed their creativity and original thinking to survive in submission.

The Indian civilization (dharma) has been not only a prolongation of the first socioeconomic experiments undertaken by human but has been exceptionally marked by the birth and interaction of civilizations that changed the course of human history. With its cultural, philosophical wealth and close links with the neighboring peoples, India has truly played the role of a harmonize^r in the development of ancient civilization in the Near East, while these in turn have had a marked influence on the Western world and not vice versa. The dawn of a new millennium therefore seems to be the most appropriate time to look and reconstruct the Indian past. However, to simply provide information about different aspects of the culture process we call 'civilization' and to contextualize it would not serve much purpose. Naipaul is very critical of Hindu Dharma as the main stumbling block in India's progress. The Hindu world is based on the philosophy of renunciation contentment, simplicity, holy, poverty and withdrawal (Escapism) from the harsh realities of life, Naipaul illustrates this attitude through the life of Srinivas, the typical Hindu hero of R.K. Narayan's Mr. Sampath. Who constantly dwells on the golden age of Indian History? (Aryan settlement 100 BC Buddhism, Shankaracharya, Moghals and British with the country being constantly defeated by invaders) and retreats in to Gandhian peace and non-violence in times of crisis. This nonviolence is simply non action, non-interference, callousness, social Difference quietism and blind acceptance of 'Karma the Hindu killer. So, Trinova's Hinduism is simply defeatism, withdrawal from action and social a: 3thy. He thinks that the Hindu world, as result, has become fragile insular and restricting world, where men never grow, talk more do less and move towards decay and corruption. Naipaul sums up the main drawbacks of Hinduism thus: "hinduism has not been good enough for the millions. It has exposed us to thousand years of defeat and stagnation. It has given no ideas of the state. It has enslaved one fourth of the population (men without a country) and always left the whole fragmented into pieces and vulnerable. Its philosophy of withdrawal has diminished men intellectually and not equipped them to respond to challenges, it has stifled growth so that again and again Indian history repeated itself."Even Mahatmas and Mascots such as Gandhiji, Vinobha Bhave, Jaiprakash Narayana, Murarji Desai etc. are steeped in archaic past and old Indian fantasy of 'Ram Rajya', Gandhism has been simply withdrawal from critical problems and formidable challenges.

Gandhiji fed India with fantasies of Ram Rajya thereby awoke and unified India to defeat British, Vinobha Bhave the retailer of spirituality was a decadent Gandhian with his "religion of barbarism, poverty and dust". At the core of action of all these men there are old Indian attitudes of defeat, withdrawal, divine simplicity, holy poverty etc LIKE Acharya in Ananthmurthy's novel Sanskar (having the theme a Brahmin's loss of identity) living in a sterile,



barbaric, uncreative society without head the political leaders take the country piously backward, Naipaul thinks that Indian Civilization is going ahead downwards. It is clear that the Hindu practice of Dharma is the cause: down fall of Indian Civilization. The author is very critical of Dharma that leads men to survive by its insistence of obedience to the duty and Dharma (Geeta's Niskmas Karma) as the highest spiritual good. It has caused dehumanizing spirit of adventure and possibility of renewal. In Naipaul's view, India has no vision, no creativity. It is the bitterest attack on India and Indian Civilization ever made by any writer, Naipaul's observation definitely, points very gloomy and pessimistic picture of this ancient civilization. In his opinion, India is still-dark continent heading towards decline and destruction without any sign of light at the end of the tunnel. Even Gandhi's non-violence once 'a quicker of social conscience' to get devalued into a form of 'non-doing social indifference' he writes in *India: A Wounded Civilization*. This is very much Naipaul's thesis about post-colonial societies. Naipaul quotes from "Elimax the official daily of Zaire. It is precisely the habits of a people and their attitude to life and society that Naipaul sets out to examine in his two books on India. And the conclusion he draws of in "India: Wounded Civilization" is astonishingly similar to the theme that 'Elma' highlighted." The crisis in India is not political nor is the crisis only economical. There are only two aspects of the larger crisis, which is that of decaying civilization, where the only hope lies in further swift decay (IWC, 157). Social changes may occur, by sheer momentum of history, but the Indian ethos with its attendant attitudes will remain intact. There will be continuity 'India will go on' but no qualitative difference. The post-colonial societies, in short, held forth no hope, no new ideas of human excellence (IWC, 174). They are doomed; they occupy vast area of darkness.

Certainly, blame the colonial past, and the colonial hangover. But at some point, Naipaul thesis stares you right in the face: "We are wrong to consider the word underdevelopment" only in its economic aspects. We have to understand (hat there is a type of underdevelopment that issues out of the habits of a people and their attitudes to life and society. (REP, 92) This is very much Naipaul's thesis about post-colonial societies. It's precisely "the habits of a people and their attitudes to life and society" that Naipaul sets out to examine in *India: A Wounded Civilization*. And the conclusion that he draws at the end of the book is astonishingly similar to the theme that Elima highlighted: The crisis of India is not political... Nor is the crisis only economic. These are only aspects of the larger crisis, which is that of a decaying civilization, where the only hope lies in further swift decay.(REPA 148) If Zaire gives the impression of a country "trapped and static", resulting in a sense of void, India reinforces it an ancient civilization where once Hindu speculation soar(ed) high.(WC, 166) Therefore the nihilism that Naipaul perceives in India is a qualified nihilism not total as in Mobutu's Zaire. To prove his thesis, Naipaul adopts a pragmatic approach. What he sees and hears around in India, he relates to men who reflect or transmit culture, to concepts, assumptions such as Dharma and Karma at back of Hindu attitudes. He examines Gandhi and R.K. Narayan as more or less representing the old morality and Vijay Tendulkar and Ananthamurti as reflecting the incipient "new morality", whereby individuals realizing the inadequacy of past myths strike out on their own. As he analyses, he succeeds in un-covering the deep ambivalence within them. One of the ambivalent meanings is always privileged and dominantly displayed; for instance, the meaning of Dharma: At its noblest it (Dharma) combines self-fulfillment and truth to the self with the ideas of action as its own spiritual reward, man as a holy vessel." (IWC, 169) While the other meaning is suppressed by the culture's slight of hand: a meaning which "reconciles men to servitude do thy duty, even if it be humble" says the Gita". (IWC169) Dharma is an elastic concept, can be creative or crippling, and hides within its class or caste interests. This deep cultural ambivalence is again seen in broad perspective when Naipaul points out that Hindu speculation can soar high; but Hindu religious practices are elemental, and spirituality for most people is a tangible good, magic. (IWC, 166) As a result of this ambivalence ideas in India remain separate from beliefs and practices, and where democracy is little more than power politics almost "an affair of head-counting and floor-crossing." (IWC, 168) Even Gandhi's non-violence, once "a quickener of social conscience", gets devalued into a form of "non-doing. social indifference." It turns into a means for securing "undisturbed' calm", gradually merges into the concept of Karma, "the Hindu Killer-which is "a religious response to worldly defeat-preparing. in the meantime, the individual for the final "withdrawal," (IWC,25-26) Social change may occur tardily, by sheer momentum of history, but the Indian ethos with its attendant attitudes will remain intact. There will be continuity. India will go on, but no qualitative difference. The post-colonial societies, in short, hold forth

Naipaul is of the view that the main enemy of India is -Dharma is the main killer and it is a religion without vision. It has ms: f people blind. According to Karma, we pay this life for what we have done in the past. (IWC, 124) They won't fight with the woes and miseries they blindly accept it and give the name as "The rid of our brow", e.g. Narayan's "MrSampath".

Naipaul highlights the fact of clash between generations.

1. The clash between ancient dharma and individuality
2. The clash between ancient Hindu practices
3. Stage of technical or political development
4. An urban settlement where people followed specialized
5. A series of highly developed, materialistic, scientific, artistic, literary, social aspects of a particular society similar society. According to Naipaul Hindu Dharma is based on the philosophy of renunciation, contentment,



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holy poverty, simplicity and escapes; harsh realities of life, Hindu would is fragile, insular, do les and r: towards decay and corruption.

Thus, to conclude, Naipaul's view that encouragement of instinctive and non- intellectual life leads to limit the vision. So, the crux of the matter is lack of Intellectual power, the power to observe and analyze in a cool and impersonal way. Naipaul thinks that highest skills and cleverest vision are indispensable to make India technically advance. So he hopes that possibilities of a true new beginning can be emergence of intellect after a long spiritual night. Throughout the work Naipaul lays emphasis on a Sound scientific temper, a constructive, positive and rational outlook, a clear vision of future, unhampered by the shackles of the past, an extraordinary intellectual effort unfuddled by instincts and blind impulses and a strong racial sense of identity and strong spirit of individualism which alone rebuild India in to a strong stable, free and unique civilization " present wounded state

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Original Article

Thermophysical Properties of Binary and Ternary Liquid Mixtures At 298.15 And 308.15 K

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This paper looks at the effect of the surfactant and temperature on the complexation of various concentration of 18-crown-6 with aqueous alkali metal salt CsCl. The viscosities and densities of aqueous CsCl solutions with various concentrations of 18-crown-6 were determined in the presence of cationic surfactant, 1-Decyl trimethylammonium bromide (DTAB) at its critical micelle concentration (CMC). Measures were done at 298.15 K and 308.15 K. Excess molar volumes (V^E) and the deviations of viscosity ($\Delta\eta$) were obtained using the experimental data. The findings were explained through the molecular interactions and complexation of Cs^+ ion with the cavity of 18-crown-6 in the presence and absence of the surfactant. Water is the high polarity solvent therefore Cs^+ ion has more solvation. In presence of surfactant reduce the ability of complexation. Generally, at higher temperature hydration of Cs^+ ion with water decreases and enhances the complexation between 18-crown-6 with Cs^+ ion.

Key words: Density, 18-crown-6, surfactant, viscosity, viscosity deviation, complexation, interaction, Cs^+ Cation.

Introduction

Molecular recognition of host guest interaction has been gaining increasingly more interest [1]. This highly influences the alkali metal cation and 18-crown-6 ether complexation, in terms of temperature and environment of solvent [2]. Increased temperature usually reduces interaction between metal ion and ligand complexation owing to exothermic characteristics of interaction [3]. The existence of surfactant molecules may create micelles or aggregates to encapsulate crown ethers with metal ions; therefore, increasing the formation of the complexes with the help of an electrostatic effect. [4]. It is significant to the application of complexation in ion transport, alkali metal ion extraction, and sensing and supramolecular chemistry because of the influence of temperature and surfactant type. The principal objective of this study is to explore these effects by conducting density and viscosities of binary and ternary solutions at various temperatures which will give an insight into how complexation ability of 18-crown-6 ether to alkali metals ions is influenced. [5,6]

Theory

Using the experimental data the following excess and interaction parameters has been calculated [7-8].

$$V^E = \frac{(X_1M_1 + X_2M_2)}{\rho} - (x_1v_1 + x_2v_2) \dots\dots\dots (1)$$

Were,

x_1 and x_2 are the mole fractions

M_1 and M_2 are the molecular weight

v_1 and v_2 are molar volume of aqueous solution of CsCl (1) and 18-Crown-6 (2) respectively.

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The excess viscosities ($\Delta\eta$) of binary and ternary liquid systems were calculated by measuring flow time of the mixture.

$$\Delta\eta = \eta - \{X_1 \eta_1 + X_2 \eta_2\} \dots\dots\dots (2)$$

η viscosity of binary and ternary liquid mixture.

η_1 and η_2 are the viscosities of aqueous solution of CsCl (1) and 18-Crown-6 (2) respectively

Observation Tables

Table: - 1 Density (ρ), viscosity (η), excess molar volumes (V^E), deviation in viscosities ($\Delta\eta$) and apparent molar volume (ϕ_v) for the various concentrations of 18C6 + 1 millimoles aqueous solution of CsCl

Temp K	m (g cm ⁻³)	ρ (gcm ⁻³)	η (mPa s)	V^E (cm ³ mol ⁻¹)	$\Delta\eta$ (mPa s)	ϕ_v (cm ³ mol ⁻¹)
298.15	0	0.9975	0.9249	0	0	18.0451
	0.00125	0.9966	0.8927	0.017455	-0.03217	18.0625
	0.0025	0.9970	0.9011	0.011365	-0.02375	18.0564
	0.005	0.9974	0.9060	0.006434	-0.01881	18.0515
	0.01	0.9978	0.9112	0.003818	-0.01353	18.0489
308.15	0	0.9944	0.7520	0	0	18.1013
	0.00125	0.9932	0.7188	0.023050	-0.03318	18.1244
	0.0025	0.9937	0.7227	0.015106	-0.02926	18.1164
	0.005	0.9942	0.7268	0.008343	-0.02513	18.1097
	0.01	0.9947	0.7312	0.003933	-0.02066	18.1053

Table: - 2 Density (ρ), viscosity (η), excess molar volumes (V^E), deviation in viscosities ($\Delta\eta$) and apparent molar volume (ϕ_v) for the various concentrations of 18C6 + 1 millimoles aqueous solution of CsCl + 1 CMC (D-TAB)

Temp K	m (g cm ⁻³)	ρ (gcm ⁻³)	η (mPa s)	V^E (cm ³ mol ⁻¹)	$\Delta\eta$ (mPa s)	ϕ_v (cm ³ mol ⁻¹)
298.15	0	0.9975	0.9249	0	0	18.0451
	0.00125	0.9965	0.8917	0.0305148	-0.032952	18.0643
	0.0025	0.9969	0.9019	0.0243981	-0.022731	18.0582
	0.005	0.9973	0.9108	0.0194446	-0.013789	18.0533
	0.01	0.9977	0.9212	0.0168136	-0.003305	18.0507
308.15	0	0.9944	0.7520	0	0	18.1013
	0.00125	0.9930	0.7406	0.0382134	-0.011198	18.1280
	0.0025	0.9935	0.7445	0.0302341	-0.007281	18.1201
	0.005	0.9940	0.7492	0.0234400	-0.002547	18.1133
	0.01	0.9945	0.7528	0.0190081	0.001120	18.1089

Experimental

3.1 Source of Purity of Sample

All the chemicals in the current research work were analytical reagent (AR) and spectroscopic reagent grade of minimum assay 99.9 percent obtained in spectrochem which was used without any purification. Purity of the above chemicals were analyzed by determining density and viscosity. [9].

3.2 Method: -

Preparation of binary liquid mixture of varying known concentration 18-crown-6 in one millimole of aqueous solution of CsCl was done in amber colour stopper bottles. The density of the various concentration solution was specified by bicapillary pycnometer mass measurement carried out on the electronic balance with accuracy of up to 0.1 mg using triple distilled water, carbon tetrachloride, toluene as reference liquids. Viscosity measurement is carried out by using Ubbelohde viscometer. [10, 11]

Table: - 3 calibration Result

Chemicals	Temp K	Density		Viscosity	
		Literature	Calculated	Literature	Calculated
Water	298.15	0.9970	0.9970	0.8900	0.8900
	308.15	0.9940	0.9941	0.7191	0.7191
Carbon tetrachloride	298.15	1.5867	1.5861	0.9010	0.8589
	308.15	1.5989	1.5654	0.7928	0.8037



Toluene	298.15	0.8623	0.8619	0.5733	0.5731
	308.15	0.8550	0.8531	0.4662	0.4657

Results and discussion

Table 1 and table 2 shows the experimental values of density, viscosity, excess molar volumes and deviation of viscosity. The magnitude and sign of V^E and $\Delta\eta$ provided a good approximation of the measure of unlike molecular interactions in solution phase and positive V^E and negative $\Delta\eta$ represent the weak interaction or complexation and large negative V^E and positive $\Delta\eta$ represent the strong interaction or complexation [12, 13].

The excess molar volume and viscosity deviation data reveal that the binary system comprising various concentration of 18C6 and aqueous solution of CsCl exhibits stronger intermolecular interactions than the corresponding ternary system containing DTAB surfactant. The comparatively lower values of excess molar volume (V^E) observed for the binary mixture indicate reduced volume expansion upon mixing, suggesting effective host-guest complexation between Cs^+ ions and the cavity of 18C6 molecules. [14] Furthermore, the larger magnitude of negative viscosity deviation ($\Delta\eta$) in the binary system reflects stronger specific ion-dipole interactions, which significantly influence the flow behaviour of the solution. In contrast, the presence of DTAB surfactant in the ternary system introduces competitive ion-surfactant interactions that partially screen the direct interaction between Cs^+ and 18C6, resulting in weaker overall interaction strength. [15, 16] Thus, the excess thermodynamic and transport properties consistently confirm that the binary system is more strongly interacting than the ternary system over the entire concentration and temperature range studied. [17, 18]

Conclusion

The present investigation of excess molar volume and viscosity deviation for various concentration of 18C6 with CsCl, both in the absence and presence of DTAB surfactant, clearly demonstrates the nature and strength of intermolecular interactions. The binary system (18C6 + CsCl) exhibits stronger interactions compared to the ternary system, which is attributed to effective host-guest complexation between Cs^+ ions and the cavity of 18C6 molecules. The comparatively lower excess molar volume and higher magnitude of negative viscosity deviation observed in the binary mixture indicate enhanced molecular association and stronger specific ion-dipole interactions. The introduction of DTAB in the ternary system leads to competitive ion-surfactant interactions, which partially weaken the direct interaction between Cs^+ and 18C6. An increase in temperature results in a decrease in the magnitude of excess parameters for both systems, reflecting the weakening of intermolecular forces due to increased thermal motion and disruption of structured solvent arrangements. This temperature dependence confirms that the interactions present in these systems are predominantly physical in nature. Overall, the combined excess thermodynamic and transport property analysis confirms the dominance of stronger interactions in the binary system over the entire concentration and temperature range studied.

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Original Article

Gender, Caste, and Class: The Fragmentary Social Inclusion in Arundhati Roy's The God of Small Things

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Abstract

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Booker prize winning novel of Arundhati Roy's The God of Small Things is a novel with microcosm of the complex process of emotional, psychological and social as well as moral development. It shows the interrelationship of individual with society which shows the symbolic suffering of the people and the problems of holistic development. Arundhati Roy depicts the amalgamation of past and present i.e. memory and present with the experimental structure of language to show the multifaceted nature of human development. The psychological disintegration of the twins Estha and Rachel in their adult lives from childhood trauma, while Ammu's struggle between personal desires and social constraints depicts the fragmented journey of personality development. It is the humble attempt to show the fractured identities and their journey for survive. Arundhati Roy's Booker Prize-winning Novel the God of Small Things is a classic example of this.

Keywords: Caste disparity, class, gender social ethics, Inequality.

Introduction

The novel *The God of Small Things* explores the junctures of structures such as caste inequality, gender norms, and love. The novel depicts the complex journey of personal and social development. It is a powerful reflection of human experiences. This literary work, inspired by the story of the Airavat family in Kerala, not only tells the story of family conflict, but also analyses the multifaceted process of emotional, mental, social and moral development. An attempt has been made to analyse the novel *The God of Small Things* in the context of literature and holistic development. The aim of the paper is to explore how literature shapes our emotional intelligence, heightens social sensitivity, and stimulates moral perception.

The invisible line between the touchable and the untouchable

Caste inequality in *The God of Small Things* is a depiction of a profound human tragedy in the society. The invisible line between the touchable and the untouchable is a vision of a strict and bloody mental, emotional, and existential boundary. This line is at the heart of the novel, drawn not only by law but also by custom, tradition, language, and everyday behaviour. The relationship between the Airawat family, Syrian Christians, touchable class and the Velutha family, outsiders/Dalits, untouchable class in *The God of Small Things* is a beautiful yet stark description of the conflict between economic need and social isolation. The Airawat family is completely dependent on the Velutha family's skills and labor to meet their household, business, and daily needs. Velutha is a skilled craftsman who is indispensable in everything from house repairs to daily chores. Still this economic dependence does not translate into social equality or respect. There is a strict social isolation is maintained. The Velutha family is not allowed into the main part of the house and communal meals are prohibited. The conversation between the two families are formal and distant. This disparity becomes even more apparent when Ammu and Velutha's love affair comes to light — a contravention of caste lines that society does not pardon.

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The novel shows that economic utility is no guarantee of social acceptance, and that caste norms are more powerful than economic needs. The novel illustrates this fundamental paradox the Dalit person's tragedy of being simultaneously necessary and unacceptable. The Airawat family wants Velutha's skills but discards his full humanity. The central tragedy of the novel is this inadequate dependence and alienation.

The love affair between Ammu and Velutha is one of the most daring and tragic instances of crossing caste, social, and moral boundaries. This relationship is not just a love affair between two individuals, but a fundamental challenge to the social order. This love story lives up to the title of the novel - "Small Things" are personal love, moments of happiness and human relationships, which are controlled by "God" - social rules, caste system and collective prejudice. The relationship between Ammu and Velutha is symbolic of the unequal struggle between these two forces in which the "Small Things" always lose. Love is not just an emotion but a political choice and social rebellion. When Ammu falls in love with Velutha, she is not just falling in love with a man but saying "no" to the entire caste system, social norms, and family traditions. Narrator states: "He was a Paravan. An Untouchable. [...] They were not allowed to walk on public roads, not allowed to cover their upper bodies, not allowed to carry umbrellas. They had to put their hands over their mouths when they spoke, to divert their polluted breath away from those whom they addressed" (Roy 74).

Arundhati Roy tries to cross the boundaries of the stereotype social norms, which is the need of the time for the holistic development.

Social development and the struggle against the system

The Airawat family in the novel represents the Syrian Christian community in Kerala who consider themselves 'touchable', while the Velutha family belongs to the 'untouchable' Dalit community. This caste structure is not just a social class system but a political system of everyday life. The central conflict of the novel is the violation of the love laws. All caste, social and religious boundaries are crossed through the love affair between Ammu and Velutha. This violation is a challenge to the entire social order. The Airawat family is a symbol of a traditional family system where individual will, freedom and choices are controlled by the family. Baby Kochamma and other elder members act as guardians of social tradition and 'family honour'. Ammu's struggle is a rebellion against this family system. She wants to have control over her own body, future and love. This struggle shows that family can become a constraint on individual freedom, especially for women. In the novel, family is not a protective institution but an instrument of control and oppression. These three structures - caste system, social norms and family traditions - are interconnected and together form a powerful mechanism against individual freedom.

Literary Structure of Racial Inequality: Symbolism

History House': A Treasury of Caste History and Present

The 'History House' in Arundhati Roy's *The God of Small Things* is not just a physical building, but a powerful symbol of the structure of caste inequality. The Narrator defines the symbolic encumbrance of the house that: "The old house on the hill had become a warehouse for unspeakable things. [...] History in live performance" (Roy 52). The house signifies the Airawat family's social status and their historical and current caste superiority. The 'History House' is an house of the Airawat family history, illegal goods, and memorabilia. This suggests their dominance over other castes. The house is a physical and psychological point of caste discrimination – a place where it is easy to distinguish between 'us' and 'them.' The house in the novel is not merely an association but a living testament to the inequalities of caste and its injustices of the past and present.

Touch and Distance: Boundaries of Physical Contact

The politics of touch and distance in the novel are the most tangible and powerful symbols of racial inequality. Roy depicts racial bonds through different forms of physical contact:

Forbidden touch: The loving touch between Ammu and Velutha, which is socially criminal.

The Narrator explains the moment of connection between Ammu and Velutha:

"He touched her. Not with his hands, but with his eyes. And she was touched. By him. By an Untouchable" (Roy 168).

Exploitative touch: The Airawat family exploits Velutha's skill (his hands), but cannot accept his human touch

Violent touch: Beating and murder of Velutha, which is the punishment for racial transgression

Emotional touch: Estha and Rachel's memories of their touch towards their mother, which is related to emotional trauma. In connection with this, the narrator says, "They had never touched her before."

"Only touchables were allowed to touch other touchables. Untouchables were allowed to touch animals, but not touchables. If they did, they would be polluted" (Roy 177).

Keeping one's distance is a way of maintaining one's superiority - the division of the house, the division of the meals, the formality of social intercourse. The novel shows that the control of touch is a basic instrument of racial control, and the punishment for those who dare to break the rules is cruel. Such symbolic representation clearly conveys the fact that the disparity of caste is not confined within the lands of social norms, but is also embedded in physical space, geography, and the human body. The literary importance of the novel is that it makes the abstract concept of these symbols come alive and connects the reader to the physical experience of caste.



Consequences of Racial Inequality

At Personal Level

The psychological disorders resulting from the caste system and discrimination have the most serious effects upon the characters in the novel. In the case of Velutha, the identity of being an untouchable and the social humiliation that accompanies it have serious effects upon his mental health. The Narrator explains the tragic fate of Velutha once the relationship is discovered. "He was dead. A ghost. A corpse. He was an Untouchable who had been touched. By a woman. From a touchable caste" (Roy 309). In Ammu, this trauma is experienced through guilt associated with his desires, and in Estha and Rachel, the trauma of seeing the violence done to their childhood has left its impact on their entire life as adults. The novel establishes that discrimination on the lines of caste is not merely a social problem, it is a psychological illness that dwells within the innermost recesses of a person. The conditioning of human relations according to caste is the theme of the novel. The love affair between Ammu and Velutha is an act of rebellion against the repression of love and desire, but its tragic conclusion proves that the power of the caste system is stronger than the power of love. "Love laws" show how the caste system determines the extent of love, the manner of love, and the object of love.

Self-doubt and guilt in Dalit characters are among the most toxic effects of the caste system. Velutha, despite being a skilled craftsman, struggles with his sense of human rights. The "smile" on his face is just an external cover for underlying discomfort and self-questioning. This self-esteem erosion is not limited to Dalit characters, but is also seen in an upper-caste woman like Ammu, who constantly feels guilty for her own desires and choices. The novel shows that the caste system is an attack on a person's self-esteem.

At the family level

The breaking up of the family in the name of caste purity is the cause for the tragedy that occurs the Airawat family. The relationship between Ammu and Veluthya divides the family into two groups - one is the caste purity fanatic group of Baby Kochamma and other elders, and the other is the outcast group of Ammu and her children. This division is not only physical but also emotional and moral. The unity and love of the family take a secondary place before the caste norms, which makes the family an instrument of control and punishment rather than a protective institution. The Narrator in a meta-commentary associating Kathakali stories to the family's traumatic, undisclosed history:

"The secret of the Great Stories is that they have no secrets. [...] They are the ones you have heard and want to hear again. The ones you can enter anywhere and inhabit comfortably" (Roy 218). The transmission of caste prejudices from generation to generation is the most terrifying reality in the novel. Baby Kochamma represents her generation which is blinded by the idea of caste superiority. These prejudices are also transferred to the new generation - Estha and Rachel are taught caste differences from childhood, even though their natural inclinations are different. The novel clarifies that casteism is a hereditary disease that is passed down from generation to generation. The economic foundation of the caste system is the unpaid or underpaid production of Dalit labour. Velutha Airawat does many jobs for the family, but he does not receive proper remuneration or respect. This exploitation is not only economic but also of human values - Velutha's skills, hard work and intelligence are not properly valued. The novel shows that the caste system is built on economic inequality in which Dalit labour is used as a cheap and easily available resource.

At the social level

The most regrettable truth in the novel is that caste norms prevail over social morality. After Velutha's murder, there is no moral outrage in society because he is a Dalit and has crossed caste lines. Collective opinion prioritizes the false idea of caste purity over justice, compassion or human rights. The novel illustrates that in Indian society, especially in a state considered advanced like Kerala, caste norms have become the highest moral code. The sanctioning of mass violence for caste transgressions is the most frightening aspect of the novel. Velutha's attack is not just on a few individuals but on the entire social system - the family, the police, and the silent witness society. This violence occurs at both formal and informal levels: police beatings (formal) and social exclusion (informal). The novel shows that the caste system is built on the fear of violence, and institutionalized violence is necessary to maintain this fear.

The impact of caste on law and justice is a central theme in Velutha's story. Being Dalit versus upper caste, the justice system is already biased against Velutha. False accusations, misleading evidence, and biased interrogations make the judicial process a distortion. The novel illustrates that the justice system is a reflection of social prejudices, and has become a means of preserving caste inequality. It is impossible for Ammu and Velutha to get justice because the justice system itself is against them. "They all broke the rules. They all crossed into forbidden territory. They all tampered with the laws that lay down who should be loved and how. And how much" (Roy 310-311). The narrator reflects the different effects on the people due to boundary crossing which has been fixed from generations

Conclusion

Arundhati Roy's novel *The God of Small Things* brings sates that literature is not just a means of entertainment, but a powerful diagnosis and treatment for the overall development of society. This novel does not just



tell the story of a family in Kerala, but holds up a mirror to the fundamental divisions of Indian society. The novel's vivid depiction of caste inequality, family oppression, the rigid constraints of social norms, and the individual's struggle against them, clarifies the role of literature in social transformation. Through the concept of 'love laws', Roy shows that love, desire, and human relationships are also controlled by caste, religion, and social status. Ammu and Velutha's love affair is a rebellion against this control, which culminates in a cruel tragedy...Roy's non-linear narrative style, symbolic language and poetic description are all tools used to artistically deal with serious issues of caste, sexuality and social justice. Ultimately, *The God of Small Things* gives us an important message: true holistic development is possible only when the emotional, mental and social aspects of an individual are in harmony with each other. The essential principles of this development are to prioritize human values beyond caste, religion, and gender, to take personal responsibility for social justice, and to plant the seeds of hope even in the midst of trauma. Although the novel's ending may seem depressing, the reunion of Estha and Rachel and the survival of Velutha in their memory are symbols of human endurance and the immortality of the spirit. In short, this novel is a living testament to the power of literature - that it not only depicts reality but inspires change, not only points out problems but also awakens the mind to solve them. In today's divided world, the message of *The God of Small Things* has become even more relevant, humanity is the highest religion, and love is the most important law.

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Original Article

Use of Language Laboratory for the Enhancement of Language Skills

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There has been a question that how one can improve classroom teaching by using new technology and the answer is the use of ICT. The use of Information and Communication Technology (ICT) in the classroom is common in the 21st century. Actually, it was the need of time to refresh the teaching and learning processes. No doubt, the new generation of students is a technology lover. They use Smartphone and it brings them close to the technology of Mass Media and Communication. It is a fruitful experiment to use such technology for teaching and learning. Gone those days when students find interest in the classroom where teachers use traditional aids. These days, students prefer technology for learning different skills keeping aside pen and paper. Hence, it is the responsibility of the teachers to maintain students' interest by using different ICT tools in their classroom teaching. The use of language software and designing of well-equipped language laboratories are the parts of ICT. Indeed, the software helps a lot to improve students' language skills i.e. listening, speaking, reading and writing. There are various programmes installed in the software in order to enhance language skills. Many audio clips give students correct pronunciation and with this, students improve their speaking; because listening controls the speaking. Language laboratory software also checks the dialogues delivered by the students and suggests guidelines about how to improve the speaking. If students type some drafts and upload then software checks those drafts and finds out grammatical and spelling errors. The language laboratory is useful for students to improve their basic language skills. This paper aims to underline the importance of the language laboratory for enhancing students' language skills.

Keywords: ICT, education, language, laboratory, software, skills, listening, speaking, reading and writing.

Introduction

Information and Communication Technology (ICT) in education is a part and parcel of classroom teaching and learning. It helps in the field of education to support, enhance and optimise the delivery of information. It is proved so far that ICT leads to improve students' learning. "A report made by the National Institute of Multimedia Education in Japan, proved that an increase in the use of ICT in education with integrating technology to the curriculum has a significant and positive impact on students' achievements. The results specifically showed that the students who are continuously exposed to technology through education has better 'knowledge', presentation skills, innovative capabilities, and are ready to take more efforts into learning as compared to their counterparts". (www.stories.lineways.com). It becomes very particular in the case of teaching and learning language skills. The use of language laboratory and software plays a crucial role in the enhancement of language skills. Regarding the usefulness of language lab, V. Deepika and M. Kalaiarasan in their article *English as a Second Language* mention, "The students feel different when they learn in a different atmosphere. Apart from the traditional classroom, the lab creates an easy atmosphere. Language lab plays a pivotal role in learning spoken English.



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The basic proficiency in spoken English is imparted to students through the language lab” (www.journal for Technology.com). Basically, listening, speaking, reading and writing are the four skills of language. It happens in the same sequence as mentioned. A language laboratory helps students to enhance all those skills. A language laboratory is well equipped with the installation of language skill software and it helps students to go through all the skills programmed in the software. “The language lab is a very useful tool that facilitates classroom engagement and interaction via computer-based exercises and activities to maximize language immersion. These labs provide a very different experience from the traditional system of teaching and learning languages, offering more advanced features and functionalities” (www.dexway.com). Indeed, the most important language skill is listening. What we listen is what we speak. Hence, a language laboratory is foremost developed to enhance students’ listening skill. There are many programmed audios and videos that enhance students’ listening skill. The videos of conversation at various places enable students to watch and listen carefully to the manners of speaking and style of delivering dialogues. It is very fruitful for students because they try to imitate the same as what they observe in the videos. The students store the pattern of sentences used in the videos and try to deliver them to the appropriate places. Though there is no direct and immediate result of listening but as per the psyche of the human being the stored patterns come out at the appropriate time and place. Listening matters about the correct pronunciation of the words. When a student listens to correct pronunciation from the various audios and videos then the student stored the same pronunciation and he delivers the same in conversation. In reverse, if students receive the wrong pronunciation of a word for the first time from any speaker, then there is a chance that the student will pronounce the word in the wrong way. The programmed software used in the laboratory is designed by the professional speakers and hence there is correct pronunciation in the audios and videos. Hence, the use of a language laboratory turns fruitful for students to enhance listening skill. The second language skill is speaking. It also gets sharpened in a language laboratory. There is a great influence of the mother tongue while speaking any second language. It is strongly observable in the case of the English language. It is important for students to keep the practice of English speaking. It is equally important to assess students’ speaking. A language laboratory has the facility to assess the dialogues delivered by the students. There are various segments that matter a lot to have fluency in speaking such as tone, pitch, voice level and speed of delivering dialogue. Once a student delivers a sentence, the software saves it and assesses the sentence on the grounds of tone, pitch, voice level and speed. The software guides on those grounds. It helps students where they need to improve. For example, if the students speak a sentence faster than the appropriate speed, the software suggests that there should be slow speed. Hence, it is not enough to listen to only English dialogues, it is also equally important to assess what and how students speak. Regarding this, a language laboratory is useful to enhance students’ speaking skill.

Reading skill comes third in the acquisition of language skills. English language laboratory also enhances the reading skill. The language software has many lessons that help students to make aware students of the basics of the second language. There are different lessons consist of signs and pronunciations of the alphabet. It is useful for students to learn the basics of any second language. Without a language laboratory, one can enhance the reading skill, no doubt, but it may be a lengthy and difficult process. On the other hand, the software creates an enjoyable atmosphere with an easy way to learn the reading of the second language. Loud reading is the next stage of reading skill. The language laboratory enhances the loud reading skill too. There are many conversations where students receive the pattern of delivering dialogues. It is important to notice the pauses in the loud reading process. In writing one can notice the punctuation marks and according to that he can understand the meanings of the sentences. It is not the same in the case of reading. One must have the skill of delivering sentences as per the punctuations used in the sentences. Then only the listener can attain the proper meaning of the sentence. Hence, one should have a skill of reading and loud reading and a language laboratory helps to enhance these skills. Writing is the fourth in the sequence of language skills. Though it is the last one, it completely depends on what one listens, speaks and writes. A language laboratory also helps to enhance writing skill. The laboratory has different programmes that check the drafts written by the students. If a student types a draft and uploads the file then the language laboratory software assesses the draft at various levels such as spellings, subject-verb concord, tense, articles and active and passive voice. Only writing will not lead to enhance the skill, there should be an assessment of the same writing. Once a student comes to know the mistakes he made in the draft, then in the next draft he avoids the same mistake. This very process of committing an error and correcting error improves students writing skill. Obviously, it is not enough to know the basics of language and rules of grammar, when it comes to performing the skills, one comes to know about the limitations of the language skills. The use of the language laboratory helps students to make them aware of the limitations and at the same time enhance their language skills. Apart from enhancing language skill, a language laboratory also helps to encourage students to have communication in English. There is a facility in which students speak or chat with one to one and one to the teacher. Dexway team underlines the importance of this facility as:

Language labs also encourage communication student-teacher as well as student-student with activities and exercises essential to oral communication and the understanding of the language. The labs include tools for creating groups, host conversations via chat, promote messages on the board, access to a community of students who are also studying the same language, etc.



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Chandrasekar Alamen underlines the importance of language laboratory in the Indian context. He says, “The curriculum of the present educational system in India does not have a laboratory session for arts subjects. Only those who study science subjects have practical work, which is undertaken in a laboratory. Hence, a laboratory for language learning is something new to Indian students, whereas it is very common in Western countries to train children in the laboratory to enrich their language learning experiences” (www.linkedin.com).

Thus, the development of technology affected all walks of life and the field of education is not an exception. The use of technology makes teaching and learning processes more interested than ever. The use of language laboratory, as a part of technology, helps students to enhance their basic language skills i.e. listening, speaking, reading and writing. Professionally designed language software guides students and at the same time makes the learning process fun.

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Original Article

Impacts of Housing Loans Offered to Salaried Persons by LIC of India in 2025

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This research examines the multifaceted impacts of housing loans offered by the Life Insurance Corporation of India (LIC) to salaried individuals in 2025. Through mixed-methods analysis of 500 borrowers and qualitative interviews, the study evaluates economic, social, and psychological effects of LIC housing loans. Findings reveal that while these loans facilitate crucial asset creation and homeownership, they also create significant financial stress, particularly when EMI-to-income ratios exceed 35%. The research provides insights into borrower experiences, challenges, and recommendations for stakeholders in India's housing finance sector.

Keywords: Housing loans, LIC Housing Finance, salaried employees, homeownership, financial inclusion, affordable.

Introduction

The Life Insurance Corporation of India, through LIC Housing Finance Limited (established 1989), has been instrumental in democratizing homeownership for millions of Indian salaried employees. As India's urban population expands and the middle class grows, housing finance has become critical to achieving the government's "Housing for All" vision. In 2025, with rising property prices and increasing aspirations among salaried professionals, understanding the impacts of housing loans on borrowers' lives is essential for policy formulation and product improvement.

1.1 Research Objectives

This study aims to:

- 1 Evaluate the economic impact of these loans on borrowers' financial health and homeownership rates
- 2 Identify challenges and barriers faced by salaried borrowers in accessing and repaying LIC housing loans
- 3 Examine the role of LIC housing loans in promoting affordable housing and financial inclusion

1.2 Significance of the study

This study examines how LIC housing loans affect salaried persons across economic, social, and psychological dimensions, addressing key questions about financial health impacts, social benefits and costs, and borrower challenges. The research provides evidence-based insights for lenders, policymakers, and prospective borrowers

3.1 Research Objectives

This study aims to:

Evaluate the economic impact of these loans on borrowers' financial health and homeownership rates

1.2 Significance of the study

This study examines how LIC housing loans affect salaried persons across economic, social, and psychological dimensions, addressing key questions about financial health impacts, social benefits and costs, and

This study aims to:

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1. Evaluate the economic impact of these loans on borrowers' financial health and homeownership rates
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 3. Examine the role of LIC housing loans in promoting affordable housing and financial inclusion
- borrower challenges. The research provides evidence-based insights for lenders, policymakers, and prospective borrowers

Literature Review

Housing finance in India has evolved dramatically since the National Housing Bank's establishment in 1988. LIC Housing Finance holds approximately 8-10% market share, particularly strong among salaried employees due to brand trust and conservative lending practices (Patel et al., 2024). Research shows salaried individuals constitute 65-70% of housing loan borrowers, preferred for stable income and lower default rates (Gupta & Singh, 2024).

Studies reveal mixed impacts: while homeownership enables wealth accumulation and provides psychological benefits, debt burdens strain household finances. Desai and Rao (2023) found EMIs typically consume 30-40% of borrowers' income, limiting other financial goals while improving savings discipline and credit scores. However, contemporary research specifically on LIC's 2025 products and their impacts on salaried persons remains limited, representing a significant research gap this study addresses.

2.1 Research Gap

While substantial research exists on housing finance in India, there is limited contemporary analysis specifically focused on LIC's housing loan products and their impacts on salaried persons in the current economic context of 2025. This study addresses this gap by providing updated insights into borrower experiences, challenges, and outcomes.

Research Methodology

3.1 Research Design

This study employs a mixed-methods research design, combining quantitative analysis of loan data with qualitative insights from borrower interviews and expert consultations.

3.2 Data Collection

Primary Data

- Structured questionnaires distributed to 500 salaried individuals who have availed LIC housing loans between 2020-2025
- In-depth interviews with 25 borrowers representing diverse income groups, employment sectors, and geographic locations
- Interviews with 10 LIC Housing Finance officials and housing loan advisors

Secondary Data

- LIC Housing Finance annual reports and financial statements
- National Housing Bank reports and statistics
- Reserve Bank of India publications on housing finance
- Government policy documents and housing schemes
- Academic journals and research papers

3.3 Sampling Method

A stratified random sampling technique was employed to ensure representation across:

- Income categories (₹3-5 lakhs, ₹5-10 lakhs, ₹10-20 lakhs, above ₹20 lakhs annual income)
- Employment sectors (government, public sector, private corporate, private SME)
- Geographic locations (metro cities, tier-2 cities, semi-urban areas)
- Age groups (25-35, 35-45, 45-55 years)

3.4 Data Analysis

Quantitative data was analyzed using statistical tools including descriptive statistics, correlation analysis, and regression models to identify relationships between variables. Qualitative data from interviews was transcribed, coded, and analyzed thematically to identify patterns, challenges, and experiences.

3.5 Limitations

The study acknowledges limitations including potential sample bias, reliance on self-reported data, and the rapidly changing nature of the housing finance sector which may affect the generalizability of findings beyond 2025.

Overview of LIC Housing Loans in 2025

LIC Housing Finance offers diverse products tailored to salaried employees: home loans for purchase/construction (up to ₹10 crores, 30-year tenure, 8.5-9.5% interest rates), loans against property, home extension loans, and balance transfer facilities. Eligibility criteria include minimum age 21 years, maximum age 65-70 at maturity, minimum monthly income ₹25,000-30,000, 2-3 years employment history, and credit scores typically 700+ for favorable terms. Interest rates are competitive with both fixed and floating options, the latter more popular and linked to RBI repo rates. Processing fees range 0.25-1% of loan amount. LIC integrates with government schemes like



Pradhan Mantri Awas Yojana (PMAY), providing interest subsidies to eligible borrowers, alongside tax benefits under Income Tax Act Sections 80C and 24(b).

Economic Impacts

5.1 Asset Creation and Wealth Building

The primary economic benefit is facilitating homeownership—the largest asset acquisition for most salaried individuals. Survey data shows 78% of respondents consider their LIC-financed home their most valuable asset. With real estate appreciation averaging 5-8% annually in urban areas, borrowers experience significant wealth creation. A ₹50 lakh property purchased in 2020 could be valued at ₹65-75 lakhs by 2025, representing substantial equity buildup even while servicing debt.

5.2 Financial Behavior and Discipline

Housing loans significantly alter financial patterns. The study found 82% of borrowers reported improved financial discipline due to mandatory EMI obligations, creating structured money management. However, 67% indicated reduced capacity for alternative investments during initial loan years, with the heavy EMI burden limiting wealth diversification opportunities. Average EMI-to-income ratio across respondents was 38.1%, at the higher end of recommended financial planning limits.

5.3 Tax Benefits

Dual tax benefits enhance economic attractiveness: principal repayment deductible up to ₹1.5 lakhs (Section 80C) and interest payment up to ₹2 lakhs (Section 24(b)). For borrowers in the 30% tax bracket with ₹2 lakh annual interest, this translates to ₹60,000 annual tax savings, effectively reducing loan costs.

5.4 Financial Stress

Despite benefits, debt burdens create stress. The research revealed 45% of borrowers experienced moderate-to-high financial stress related to EMI obligations. Discretionary spending reduced 20-25% post-loan acquisition. Most concerning, 23% reported dipping into emergency funds or taking personal loans to manage EMIs during income disruptions, highlighting vulnerability to economic shocks.

Social and Psychological Impacts

6.1 Quality of Life Improvements

Homeownership substantially improved quality of life. Survey respondents reported enhanced security and stability (89%), better housing quality versus previous rentals (76%), improved neighborhood amenities (68%), and valued privacy and freedom (85%). The stability particularly benefited children's education, with 58% of parents choosing homes near quality schools, providing stable learning environments.

6.2 Social Status and Recognition

In Indian society, homeownership carries significant social value. Research found 71% of borrowers felt enhanced social status and community recognition. Homeownership was viewed as a professional success marker and family achievement, with 64% reporting improved marriage prospects or enhanced family reputation.

6.3 Mental Health Considerations

Psychological impacts were mixed. Positive effects included pride of ownership (87%), sense of accomplishment (82%), and reduced rental uncertainty anxiety (79%). However, 45% experienced financial stress, 41% worried about job loss affecting repayment, and 38% of dual-income households felt pressure maintaining dual incomes. For private sector employees particularly, the fixed EMI obligation created persistent anxiety about employment stability.

6.4 Career Impact

Homeownership affected career decisions significantly. While providing stability, 34% of borrowers acknowledged substantial EMI obligations reduced career flexibility, making them more risk-averse regarding job changes or entrepreneurial ventures. The need for steady income to service debt limited professional risk-taking.

Challenges Faced by Salaried Borrowers

7.1 Affordability Constraints

Rising property prices remain the primary challenge. Average metro property prices of ₹60-80 lakhs for 2BHK apartments require ₹12-16 lakh down payments, taking average salaried employees 4-6 years to accumulate. Even with loans, affordability constrains choices.

7.2 Documentation and Processing

Despite digital improvements, 42% experienced documentation-related delays. Property verification and legal clearances averaged 45-60 days, longer than expected. Coordination between builders, banks, and borrowers created friction points affecting timely possession.

7.3 Employment Instability

Private sector employees faced heightened anxiety about job security while servicing loans. The survey revealed 51% of private sector borrowers worried about job loss affecting repayment, 18% experienced temporary income reductions requiring restructuring, and gig/contractual workers faced particular qualification challenges.

7.4 Hidden Costs



Beyond principal and interest, borrowers encountered various costs: processing fees and documentation charges adding 1-2% to loan amounts, mandatory insurance requirements, and maintenance charges higher than anticipated. Additionally, home interior and furnishing costs stretched budgets, with 62% of borrowers reporting sacrificing or postponing other financial goals to accommodate housing loan EMIs.

7.5 Interest Rate Fluctuations

Borrowers with floating rates faced uncertainty from rate changes. During rising rate periods, EMI increases strained budgets. Survey data showed 38% of floating rate borrowers expressed anxiety about potential increases affecting repayment capacity, with actual rate increases from approximately 8.5% to 9.5% adding ₹3,000-5,000 to monthly EMIs.

Financial Inclusion and Market Reach

LIC Housing Finance has expanded accessibility across income segments and geographies. The study found 32% of borrowers earning ₹25,000-50,000 monthly, 41% earning ₹50,000-1,00,000, and 27% above ₹1,00,000, indicating reasonable penetration though higher-income borrowers dominate in absolute numbers.

Geographic distribution shows improvement: metro cities account for 48% of disbursements, tier-2 cities 37%, and tier-3/semi-urban areas 15%, compared to over 70% metro concentration a decade earlier. LIC has also increased private sector lending: government employees constitute 35% of borrowers, PSUs 18%, private corporate 38%, and private SMEs 9%. Private sector employees face slightly higher rates (0.25-0.5% premium) and stricter documentation.

Female salaried employees constitute 28% of borrowers in 2025, up from approximately 20% previously, with LIC offering interest concessions for women under specific schemes. Digital transformation online applications, document submission, verification, and EMI management as particularly benefited tech-savvy younger professionals. Role in Affordable Housing LIC actively participates in PMAY's Credit Linked Subsidy Scheme, providing 3-4% interest subsidies for middle-income groups (₹6-18 lakhs annual income) on loans up to ₹9-12 lakhs, amounting to ₹2-4 lakhs subsidy over loan tenure. Affordable housing projects (below ₹45 lakhs) constitute approximately 25% of LIC's portfolio in 2025, up from 15% in 2020. LIC offers special schemes for first-time homebuyers including reduced processing fees, 0.1-0.25% interest concessions, and higher loan-to-value ratios (up to 90% versus standard 80%), helping young professionals enter the housing market earlier. However, challenges persist: affordable projects often in peripheral locations with limited infrastructure, quality concerns, and limited beneficiary awareness about available schemes.

Comparative Analysis and Market Position

As of 2025, LIC Housing Finance maintains strong market position particularly in trust factors (ranked highest in borrower trust surveys), government employee preferences, geographic reach in tier-2/3 cities, and customer retention with lower default rates. Interest rates (8.5-9.5%) are competitive though not always lowest compared to SBI (8.4-9.3%), HDFC (8.5-9.6%), and Bajaj Housing Finance (8.6-9.4%). Borrower feedback indicates strengths in trust/credibility, extensive branch networks, relationship-based approaches, and better handling of financial distress. Improvement areas include digital experience lagging newer players, longer processing times versus fintech-enabled lenders, and less aggressive competitive rate offerings. LIC maintains one of the lowest NPA ratios at approximately 2-2.5% compared to industry averages of 3-4%, benefiting borrowers through stable operations and flexible restructuring during genuine hardships.

Key Findings and Insights

Analysis reveals several critical patterns. EMI-to-income ratio is the strongest predictor of financial stress and overall satisfaction, with borrowers maintaining ratios below 30% reporting significantly higher satisfaction and lower stress. Employment sector matters substantially—government employees experience lower stress and higher satisfaction versus private sector employees, primarily due to job security perceptions.

Dual-income households demonstrate better debt management and lower vulnerability compared to single-income families. Geographic location influences experiences: tier-2 city borrowers report higher satisfaction due to lower property prices enabling comfortable EMI servicing and better work-life balance. Age and career stage matter: mid-career borrowers with higher incomes and shorter tenures experience less stress than early-career borrowers with long-tenure loans. Correlation analysis shows strong positive relationships between EMI/income ratios and financial stress ($r=0.67$), and strong negative relationships between financial stress and overall satisfaction ($r=-0.58$). Regression analysis confirms EMI/income ratio, processing time, interest rate, customer service, and employment sector as significant predictors of overall satisfaction ($R^2=0.547$).

Recommendations

For LIC Housing Finance

1. Enhance digital infrastructure to match fintech competitors in processing speed and user experience
2. Introduce flexible repayment options including income-linked EMIs and easier partial prepayments
3. Provide mandatory financial counseling to borrowers, especially first-time buyers
4. Improve transparency around fees, charges, and variable rate mechanisms



5. Expand affordable housing portfolio with peripheral urban area focus
6. Offer integrated insurance covering job loss, critical illness, and disability

For Policymakers

1. Extend PMAY-type subsidies to broader income ranges recognizing metro affordability challenges
2. Create standardized, digitized property documentation systems reducing processing delays
3. Develop insurance/guarantee schemes protecting borrowers during employment disruptions
4. Consider increasing Section 24(b) limits beyond ₹2 lakhs for principal residences
5. Address supply-side constraints through land reforms and developer incentives

For Borrowers

1. Limit EMI to 30-35% of monthly income maintaining buffer for emergencies
2. Carefully evaluate fixed versus floating rate options based on interest rate outlook
3. Prioritize early prepayments to reduce overall interest burden
4. Ensure adequate life and health insurance protecting family from loan burden
5. Maintain 6-12 months EMI payments in liquid emergency funds before taking loans
6. Calculate total homeownership costs including maintenance and taxes, not just EMI

Conclusion

Housing loans offered by LIC of India to salaried persons in 2025 have multifaceted impacts spanning economic, social, and personal dimensions. These loans have been instrumental in facilitating homeownership for millions, contributing significantly to wealth creation, financial discipline, and improved quality of life. Economically, they enable asset acquisition impossible through savings alone, providing tax benefits and credit profile improvements. Socially, homeownership enhances stability, family well-being, and social recognition. However, benefits come with costs: reduced financial flexibility, opportunity costs for alternative investments, and financial stress from significant debt burdens. The research conclusively demonstrates that EMI-to-income ratio is the critical determinant of outcomes—borrowers maintaining ratios below 30-35% experience predominantly positive impacts, while those exceeding 40% face substantial stress offsetting homeownership benefits. Job security significantly affects experiences, with government employees reporting much lower stress than private sector counterparts. Dual incomes provide crucial buffers, and tier-2 cities offer better affordability-quality of life balance than metros. LIC has played a commendable role in financial inclusion, extending loans across segments and integrating with government schemes, with brand trust providing unique advantages. Looking ahead, digitalization, product innovation, and continued policy support will shape housing loan evolution. LIC must embrace technological transformation while maintaining core strengths. Policymakers should address both demand-side affordability and supply-side constraints. The overarching conclusion is that LIC housing loans have been highly beneficial when approached with financial prudence—conservative borrowing, comprehensive planning, and balanced financial strategies maximize benefits while minimizing stress. As India pursues universal housing access, institutions like LIC Housing Finance will remain critically important in facilitating affordable, accessible, sustainable homeownership for salaried

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Original Article

Social Pretense and Vanity reflected in Dr. Deepak Chaudhari's Short Stories Collection "WELCOME 2020!"

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Abstract

The present paper examines the themes of social pretense and vanity as reflected in Dr. Deepak Chaudhari's short story collection WELCOME 2020! & Other Stories. Social pretense refers to the tendency of individuals to present a false or curated identity in order to gain social acceptance, while vanity denotes excessive pride in one's appearance, status, or achievements. Both traits emerge strongly during times of crisis, revealing the fragile foundations of human ego and societal structures. Set against the backdrop of the Covid-19 pandemic, the collection realistically portrays the political, social, educational, economic, and emotional transformations experienced by Indian society. Through stories such as *Something is Better Than Nothing!*, *Thank God!*, *The Memory Card*, *Ambulance Never Stops...*, *Khichadi*, and others, Dr. Chaudhari highlights how individuals struggled with fear, uncertainty, and isolation while simultaneously clinging to social image and superficial pride. The pandemic not only disrupted bureaucratic and social systems but also exposed the hidden layers of human hypocrisy, self-centeredness, and the desire for validation. The study also focuses on the representation of women characters in the collection, emphasizing how social pressures and gender expectations intensify during crises. Dr. Chaudhari, as a contemporary Indian English short story writer, skillfully blends seriousness with subtle comic elements to depict the psychological and cultural realities of lockdown life. Thus, the paper concludes that WELCOME 2020! serves as a significant literary reflection of the Covid-19 era, unveiling the complex interplay between social pretense, vanity, and human resilience in modern Indian society.

Keywords: Social Pretense, Vanity, Covid-19, Pandemic, Indian English Short Stories, Dr. Deepak Chaudhari, WELCOME 2020!

Social Reality, Human Behavior, Women Empowerment, Lockdown Experience, Social Identity, Cultural Reflection, Contemporary Indian Society, Psychological Conflict, Bureaucracy and Society

Introduction

Man is social animal who craves for keeping his dignity among his fellow beings. It gave birth to the fruitless and meaningless social pretense and vanity. Social pretense and vanity are deeply intertwined human behaviours, often driven by the desire for social validation, status, and the presentation of an idealized self. While vanity involves excessive pride in one's appearance or achievements, social pretense acts as the mask or curated performance used to display this pride to others. Dr. Deepak Chaudhari, an emerging Indian Short story writer has portrayed these values in his short stories. Dr. Deepak Chaudhari at present is working as Professor and Head of the Department of English at SSVPS Arts and Com. College Dhule. He has written ten collections of short stories in English. The 20th century literature deals with the women empowerment and the need of the women empowerment. The study explores the overall development of women in all the sectors and sections of the society. Women have been leading with the men and shouldering the responsibilities with the men in equal but at the same time they have been suffering with unbreakable social issues and problems.

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The present paper aims to focus on the Social Pretense and Vanity reflected in Dr. Deepak Chaudhari's Short Stories Collection "WELCOME 2020!"

Social Pretense: Social pretense is the act of presenting a false or curated appearance to others. It is a form of "masking" that hides true self-identity in favor of a persona that fits social, professional, or digital expectations.

Vanity: Vanity is characterized as excessive pride in one's own appearance, accomplishments, or perceived superiority. It is often described as a "craving for validation of a conceptual self"—a static, idealized image rather than one's true, in-the-moment self.

Social Pretense and Vanity reflected in Short Stories Collection "WELCOME 2020!"

The stories in the present collection "WELCOME 2020!" are fictitious and imaginative with the realistic picture of the society. I have taken to bring forth for the creation of this creative art. The Collection of the Short Stories deals with the hustle and bustle of the human beings due to the sudden outburst of Corona Pandemic. Corona pandemic known as Covid-19 played a crucial role in the falling and rising of the people. It cracked the settled bureaucracy and healed the peace of the common people. Since the emergence of the human beings on the earth, they have been passing through various problems created by humans and Nature too. It included natural disasters, calamities, floods, ample of diseases, mishaps, pandemics and enduring epidemics. With the rise of science and technology, human being has overcoming it with his own, till these calamities are emerging and causing the number of deaths of the human beings. The year 2019 ended with the emergence of new pandemic Covid-19 which is also known as Corona grasped the entire world and created a chaos, social commotion and pathos for the existence of the human beings.

The stories in the collection "WELCOME 2020!" Including 'Something is Better Than Nothing!', 'Thank God!', 'The Memory Card', 'Ambulance Never Stops....', 'Khichadi', 'Water, Water Everywhere.....', 'I Turned Careless.....', 'Thanks Corona!', 'My Dear Princess, I am Not Going.....', 'I Want to Meet My Mother.....' deal with the reflection of political, social, educational, economical and geographical scenario of India and Indian people due the emergence of Covid-19 and the reflection of social pretense and vanity of human beings.

Conclusion

The sudden outbreak of Corona caused the lockdown in the entire world which had an incredible and ever ending effects upon the life of the people. It changed the political, social, educational, economical and geographical scenario of the world. India also has gone through it and suffered at the great extent. The present short stories collection deal with the reflection of political, social, educational, economical and geographical scenario of India and Indian people due the emergence of Covid-19. The stories deal with the comic and serious aspects of the human being's life during the emergence of Corona and the unbearable lockdown in the entire nation. The lockdown declared by the government of India due to the emergence of Corona pandemic, not only gave the lesson of how to live the life, it also gave space to the comic creativity of the people. The present collection of Short Stories contains Ten Short Stories which reflect the serious and healing impact of the Corona pandemic on the human being's routine with the comic aspect in fictitious manner. Dr. Chaudhari shows the condition of today's woman through the Malhya's mother, how a woman is being treated by the society in present days of technology. Indian English Short story writer, Dr. Deepak Chaudhari has skillfully written this collection of short stories, he has presented the female characters being a male writer, he has minutely drawn the female characters, their feelings and thoughts are graphically depicted and communicated. Dr. Chaudhari has poured domestic experiences by bringing culture through his stories.

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Original Article

Representation of Indian Knowledge System in Chetan Bhagat’s ‘2 States’

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Indian English Novels have a great tradition of transmitting Indian culture, values and knowledge throughout the ages. From R. K. Narayan to Chetan Bhagat, novelists had tried to pass this indigenous knowledge through their novels. The Indian Knowledge System (IKS), though traditionally associated with ancient texts and religious treatises, also stay alive through social and family institutions, customs, and moral practices of the people. Chetan Bhagat’s all novels reflect the cultural perspectives of Indian society, but some novels represent the Indian Knowledge system rooted in the lives of people. This paper specially exposes his fourth novel, ‘2 States: The Story of My Marriage (2009), which represents a contemporary Indian society’s culture, knowledge, and ethical values within the framework of modern education, urban life, and cross-cultural relationships. This paper examines how ‘2 States’ reflects the Indian Knowledge System through Vedantic philosophy, meditation, family system, marriage system, ethical values such as adjustment and harmony, forgiveness, and the negotiation between tradition and modernity. The study argues that Bhagat’s narrative, setting, characters, conflicts and themes meaningfully contributes to the representation of Indian knowledge and cultural wisdom in Indian English novel.

Keywords: Indian Knowledge System, Indian English novel, Culture, Marriage, ethical values, Vedantic philosophy.

Introduction

The Indian Knowledge System encompasses a huge form of traditional knowledge developed in India over centuries. It contains Vedanta philosophy, social and individual ethics, cultural practices, and lived traditions transmitted through generations. This transmission happened too through the literary traditions. Though it may be poems, dramas, proses or fictions, all literary dignitaries have mirrored the rooted values, customs, and wisdom through their literary pieces. Indian cultural and knowledge system has strong roots, which couldn’t be uprooted by invasions of western countries and Mughals. Though they destroyed our libraries, our ancient text, but this ancient knowledge and sacred text are live through orally, in behavior and lives of people. The ancient wisdoms were embedded in stories of the people. The famous and dashing journalist Palki Sharma advocated in her speech at award ceremony that, “I’ve said this in the past, and say it again, and I believe this, that our world today is a grand storytelling competition. We are all striving to present our national, cultural, personal, all kinds of stories in the most persuasive manner. I remember reading somewhere in the olden times they’ll have contaminated water, they’ll die. Now it is said that if you want to poison a people, you poison their stories. When you poison their stories, you contaminate their minds, and it’s worse than dropping bombs because then you take away the self-confidence of a country. So, it is important

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to tell stories and tell the right stories in the right manner because stories sway people. They change the course of policies, politics, and indeed the world.” (Sharma). Vice-versa, if we want to preserve our ancient knowledge, values, culture, customs, practices of lives, we have to include them in our stories for next generations for positive changes in society. R. K. Narayan, Raja Rao, Anita Desai, Kiran Desai, Amish Tripathi, Chetan Bhagat and so on playing their role in representing and introducing Indian Knowledge System in right manner to modern India and specially to the youth of India

Chetan Bhagat occupies a distinctive position in modern time. His novels reflect cons of modern education system, middle-class realities, social institutes, and cultural conflicts and importance of Indian Knowledge System. His ‘Five Points Someone’ exposes the drawbacks of modern education system. His second novel, ‘One Night @ the Call Center’ reflects the chaos and confusion in ultra-modern youth, who find solution in self-inner voice. His next novel, ‘Three Mistakes of My Life’ is about family life, friendship and religious conflict. His next novel, ‘Revolution 2020’ represents the responsible youth, ethical values like sacrifice, love for nation, society and change. The study focuses on his fourth novels ‘2 States: The Story of My Marriage’. It presents the challenges of inter-states and inter-cultural marriage between a Punjabi IIT boy, Krish and a Tamil Brahmin IIM girl, Ananya. Thereby, it presents rich material for studying Indian cultural and eternal knowledge in practice. This paper attempts to analyze ‘2 States’ as a narrative that embodies the Indian Knowledge System through social values, family ethics, marriage traditions, and the civilizational idea of unity in diversity.

Indian Knowledge System

Indian Knowledge System is not limited to theoretical philosophy such as Veda, Upanishads, Yoga, or Ayurveda. It also includes social knowledge, and cultural behavior related to family, marriage, education, gender roles, and ethical and moral living. Concepts like Dharma (duty), Karma (action), Moksha (salvation), Sanskara (values), and social peace and harmony form the strength of Indian societal life. It gives special identity and purpose to live to every human being. In Indian society, this knowledge is transmitted through generations to generations. It is often experiential and society-oriented. Traditions are preserved through customs, rite and rituals, oral practices, folk song, folk dramas and folk literature, and social conduct. Literature, as a cultural product, becomes an important medium to emulate and represent these knowledge systems. This knowledge establishes the harmony in family, society and in the nation. India advocates the notion of ‘Vasudhaiv Kutumbakam’, where it goes beyond boundary of India as nation. The notion makes broad mind to accept the world as one family. The family where all live together with love, joy and peace, is the need of the time. Chetan Bhagat’s ‘2 States’ reflects this lived Indian knowledge through a modern and urban narrative background.

Indian Family System

The most prominent representations of Indian Knowledge System in Bhagat’s ‘2 States’ is the supremacy of the family. Family members have strong bonds with each other. The children are taught ‘Matrudevo bhav:’, ‘Pitrudevo bhav:’ etc. by elders. The relationship of mother and son, Father and daughter, husband and wife and other relations are bonded with love, respect and care. Some types of disturbance come but after some time they united as a family. They care for each other. Krish and Ananya are very educated and modern. They can take their own decision. They fall in love with each other. They want to marry each other. But inter- states cultural issues get conflicted. Their parents didn’t allow them. They are madly in love with each other. So krish suggest eloping but Ananya refused. She made Krish mind that, “I wouldn’t know what to do. I don’t want to hurt them. I have already had by choosing a Punjabi mate, but I think we can win them over. I want them to smile on my wedding day. That’s how I imagined my marriage since I was a child. What about you?” (Bhagat 102) These values are not taught but come indirectly through family love. Ananya became ready to sacrifice her love for the sake of her parents’ respect. She loves her parents most, so couldn’t bear her parents’ insult by Krish’s Mother. She frankly exposes the reason of her breakup to Krish that, “I want to marry where my parents are treated as equals.” (Bhagat 233). She refused to keep contact with Krish. But when Krish’s father apologized to her parents for past misgivings, she is happily ready to marry Krish.

Krish also loves his mother so much. He felt very bad when his father abused and insulted his mother for a small cause. Once Kavita didn’t talk about Krish’s girlfriend to her husband, so he slapped most and even scolded blamed her for all Krish’s behavior. Krish couldn’t tolerate his mother’s tears and fearfulness. He expressed his care and love that, “I saw the tears on my mother’s face. My face burned with rage. She had lived with this for twenty-five years. I did know why-to bring me uo; I didn’t know how she did it” (Bhagat 167). He revolted against his father that day for his mother. This is the bond of mother and child. She can fight with the world for her children. She can go with her parents but she kept family together. Here Bhahat has shown very strict father but his love for his son is invisible. But when father saw his son broken, he couldn’t stay away. He went to Chennai for apologizing to Ananya’s parents for his son. Indian parents take all responsibility towards their children and Children also care for their parents’ respect Krish and Ananya struggle to gain approval from their families for their marriage. This highlights the traditional Indian belief that parents are guardians of traditional values. Respect and love for elders, obedience, and emotional dependence reflect the Indian ethical principle of supremacy of parents in family. Even when the protagonists are economically independent and educated and modern, they do not completely discard familial authority. Thus, Bhagat portrays the



Indian family system as live knowledge system that continues to shape individual choices and the next generation emulate the last generation. This gives a different identity to society.

Marriage as one of Sanskar

In the Indian Knowledge System, marriage is regarded as a one of sixteen sanskaras. In India still in modernization and westernization, love relationship turns into marriage. They both are educated; modern, economically independent still accepts the bond of marriage. Chetan Bhagat has represented the importance of marriage system. In India, marriage is not only union of two people but the union of two families, two communities. '2 States' strongly emphasizes this idea Here Krish and Ananya want smile on their parents' face on the wedding day. They can easily elop but they need parents' approval for their union. This is real happiness in life. Living alone and without family leads frustration and feeling of loneliness. Parents' support and guidance is more important for their children. Bhagat has elaborated marriage system, dowry, groom's superiority and community approval reveals Indian marital knowledge. Another belief regarding marriage is, "marriages are made in heaven". This bond is unbreakable till the end. Kavita couldn't leave her husband, though he abuses her. Ananya's parents are good at their relationship, they have mutual understanding. Chetan Bhagat presents marriage as a social institution directed by long-lasting norms and untold regulation rather than a purely idealistic contract. The novel, '2 States' supports love marriage but with the approvals of parents and elders instead of rebellion.

Ethical Values: Adjustment, Dharma, and Forgiveness

A significant ethical value in Indian philosophy is adjustment for the sake of social and familial harmony. Krish and Ananya take everything by keeping patience. Many times, they compromise at their wishes for the sake of their parents will. Krish went to see girl and even Ananya attend the guest at her home. Rather than choosing elopement, they work according to the system to gain the acceptance of their parents. Krish and Ananya were trying to find out solution that their parents would accept. Krish didn't find the way. Here Bhagat reflects the old education system, where one can find answer for every question and that is Ashram. Bhagat has introduced Arobindo Ashram. Krish seeks answer in his life. He is IIT topper and IIM student and doing job in City bank. He handled the business of crores. He advised his customer for investment but he failed to gain real knowledge of life. Here at some point, Bhagat reflects the cons of modern education system, where it fails to teach student how to deal in life. Today's education is only job oriented. It teaches to earn lots of money but doesn't teach how to live and deal with life problems. Guruji makes Krish to reveal everything in his mind by meditation. He asked him to tell more which gives him trouble. Krish told everything about his life and father. Guruji understood the real problem by his study and asked Krish about 'Geeta' and its teaching. He asked Krish to apply 'Forgiveness' in his life. Because, "For you. Forgiving doesn't make the person who hurt you feel better; it makes you feel better" (Bhagat 168) . He keeps anger and hatred for his father, which make him unrest in life. The magic of this value, Krish felt very light and gain his father's love, for which he was longing for. Therefore, Bhagat presents traditional Indian ethics and values are relevant even in an ultramodern, globalized background. They help us to stand in difficult situations. In this materialistic life, man lost his real happiness but Indian knowledge system provides peace of mind, satisfaction, real joy and happiness through it preaching and learning.

Conclusion

Chetan Bhagat's '2 States' may appear as a simple and light-hearted love story, but it offers a serious commitment with Indian cultural and social knowledge. The novel validates that the Indian Knowledge System is not restricted to ancient scriptures and text but actively functions in family life, marriage practices, ethical values, and culture. Bhagat is keen at exposing the issues and problems of youth in his novels, where he asks to find out solutions through indigenous knowledge system. The Indian knowledge system is eternal and applicable at any time and in any situation. It is not materialistic and momentary but for long-lasting. By it social, national and cultural harmony can be kept.

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Original Article

From Bhakti to Bharat: Indigenous Wisdom in Saint Literature for A Developed India

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India's civilizational progress largely depends on its saint literature, which has preserved and transmitted indigenous wisdom for centuries. Emerging from the Bhakti movement, the saintly poetry in regional languages democratized spiritual knowledge and provided a moral framework based on equality, compassion, social justice, and collective social well-being. In contemporary discussions on 'Developed India,' these indigenous knowledge systems offer not only cultural pride but also an actionable philosophical foundation for inclusive development, ethical governance, ecological balance, and social harmony. This research paper examines how saint literature—particularly from the medieval Bhakti traditions—embodies indigenous epistemologies relevant to nation-building today. By analysing themes such as spiritual humanism, social reform, gender sensitivity, environmental ethics, and ethical economics, this study argues that the wisdom of the saints can guide India's developmental approach. This paper discusses Bhakti thought within interdisciplinary frameworks such as sociology, political ethics, cultural studies, and development discourse, thereby demonstrating its contemporary relevance in creating a just, sustainable, and spiritually grounded developed India.

Key Words: Bhakti, Wisdom, Spirituality, Values, Developed India.

Introduction

The concept of a developed India is a broader in nature that goes beyond economic indicators and encompasses ethical citizenship, cultural roots, and social equality. Even before the emergence of modern development paradigms, the Indian saint tradition had articulated holistic ideals of human well-being. The saint literature, composed in vernacular languages, served as a people-oriented repository of indigenous knowledge. While addressing existential concerns, it also confronted issues such as social hierarchy, excessive rituals, and moral decay. It is a reservoir of Indian knowledge. The Bhakti movement, spanning roughly the 12th to 17th centuries, marked a transformative phase in Indian intellectual history. Saints like Namdev, Dnyaneshwar, Tukaram, Eknath, Kabir, Ravidas, Mirabai, and others shifted the focus of spiritual discourse from traditional religious authority to experiential devotion. Their compositions transcended barriers of caste, class, and gender, fostering an egalitarian spiritual democracy. In the present era, as India is marching for technological progress and global leadership, a re-examination of these saintly teachings is crucial. Development without an ethical foundation risk resulting in inequality and alienation. Therefore, the indigenous thoughts rooted in saint literature can serve as valuable moral and cultural resources in shaping a developed India.

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Discussion

Local knowledge is knowledge developed at the local level, rooted in direct experience, environmental adaptation, and cultural memory. In India, one of the richest repositories of such knowledge is the literature of the Bhakti. Unlike the scholarly Sanskrit traditions, which were primarily accessible to the elite, the Bhakti saints communicated in Marathi, Hindi, Kannada, Tamil, and other regional languages. This linguistic shift democratized knowledge creation. It makes them to understand the knowledge reflected in scriptures. The saints used metaphors drawn from agricultural life, artisanal work, and domestic spaces, making philosophy accessible to ordinary people. Such kind of shift motivates the masses. For example, spiritual realization was compared to farming, weaving, or the flow of a river—suggesting that sacred knowledge emerges from everyday ethical life rather than the exclusivity of rituals. Such epistemology recognizes local experience as a valid source of knowledge.

As Sant Savta Mali recites

कांदा-मुळा-भाजी।
अवर्षीं विठई माझी ॥

The example is received from daily routine. It imbibes that godly principles lie in your work.

This decentralization of knowledge aligns with modern participatory development models, which emphasize community knowledge in sustainability, and governance.

Spiritual Humanism and Social Equality

The most powerful contribution of saintly literature is the spiritual humanism. The saints rejected rigid caste hierarchies and championed the inherent dignity of all individuals.

Sant Tukaram rigidly attacks on inequality and preaches the masses as

विष्णुमय जग वैष्णवाचा धर्म।
भेदाभेद भ्रम असंगळ ॥

Here inequality is considered as unholy act. It expects the social harmony that is the need of the time. Kabir's couplets criticized both Brahmanical orthodoxy and communal divisions, emphasizing inner purity over external identity. Similarly, Tukaram's abhangas presented the vision of a moral society bound by devotion rather than birth right. Dnyaneshwar's philosophical writings interpreted the Bhagavad Gita as a universal text accessible to all of humanity.

This egalitarian spirit aligns strongly with constitutional values such as justice, liberty, equality, and fraternity. In the context of a developing India, social harmony is indispensable. Without social harmony, economic growth leads to societal disintegration. Equality among humans, simplicity, truth, and kindness were quintessential Bhakti thoughts.

Thus, saintly literature provides a moral foundation for inclusive development by challenging discrimination, promoting the dignity of labour, fostering compassion for marginalized communities, advocating for spiritual democracy.

These values can guide public policy, education, and civic culture to make Bharat more advanced.

Ethical Governance and Moral Leadership

The indigenous wisdom found in the traditions of the saints also speaks to political ethics. Although the saints were primarily spiritual figures, their teachings contained implicit critiques of unjust rule and moral corruption.

चित्त तें चिंतन कल्पनेची थांव ।

जे जे वाढे हांव इंद्रियांची ॥

In the above abhang, Sant Tukaram points out the moral corruption due to greed and says the mind keeps planning, chasing imagination, and the greed of the senses only keep increasing its demands.

Many devotional compositions emphasize accountability, humility, and service—qualities essential for leadership. The ideal ruler, in the saints' conception, is one who governs with compassion and detachment, rather than greed.

In contemporary India, where the governance system faces challenges of corruption, bureaucratic apathy, and centralization of power, the literature of the saints serves as a moral compass. Leadership rooted in indigenous ethical traditions can foster trust, transparency, and participatory governance—key pillars of national development.

Conclusion

From devotion to nationhood, the journey of indigenous wisdom reflected in saintly literature demonstrates a civilizational continuity that remains profoundly relevant today. These saints' teachings provide a foundation for responsible contemporary India rather than being just relics of a devotional past. Their teachings envision a society founded on qualities that are essential to a developed India, including as compassion, justice, ecological balance, gender equality, and spiritual democracy. This knowledge can be incorporated into public discourse, cultural policy, education, and government to humanize development and connect advancement to moral goals. The Bhakti literature serves as an indicator of the actual progress that exists in the elevation of the human spirit rather than just in infrastructure or industry, even while India advances economically and technologically. Therefore, the indigenous



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ethical legacy upheld by these saints must be included into the making of a developed India in line with innovation and economic growth.

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Original Article

Can AI be a therapist? Disadvantages of Using AI Platforms as Counselors or Psychologists for Psychological Services with a focus on Gen Z

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The rapid proliferation of artificial intelligence (AI)-driven conversational platforms has significantly transformed help-seeking behaviors among adolescents and young adults. Members of Generation Z increasingly rely on AI chatbots and large language models for emotional advice, psychological reassurance, and informal counseling. While these technologies offer accessibility, anonymity, and immediacy, their expanding role in mental health contexts raises critical clinical, ethical, and legal concerns. This narrative review critically examines the disadvantages of using AI platforms as counselors or psychologists, with a specific focus on Gen Z populations. Drawing on recent empirical studies, systematic reviews, ethical guidelines, and legal frameworks, the paper highlights major limitations related to lack of genuine empathy, absence of therapeutic alliance, risks of misdiagnosis, inadequate crisis management, privacy and confidentiality concerns, algorithmic bias, and regulatory gaps—particularly within the Indian mental healthcare context. The findings suggest that although AI tools may serve as supportive adjuncts for psychoeducation or preliminary mental health engagement, they cannot ethically or clinically replace trained human psychologists. The paper concludes by emphasizing the need for robust regulation, professional oversight, and AI literacy to ensure that emerging technologies enhance rather than undermine ethical psychological practice.

Keywords: artificial intelligence, Gen Z, counseling psychology, mental health ethics, therapeutic alliance, digital mental health etc.

Introduction

The integration of artificial intelligence into everyday life has accelerated dramatically over the past decade, with generative AI systems and conversational chatbots becoming increasingly accessible to the general population. Among all demographic groups, Generation Z—typically defined as individuals born between the mid-1990s and early 2010s—has emerged as the most intensive user of AI-based platforms for personal advice, emotional support, and psychological guidance. As digital natives, Gen Z individuals are accustomed to interacting with algorithm-driven technologies and often perceive AI chatbots as non-judgmental, readily available, and emotionally safe alternatives to human interaction. Recent empirical evidence underscores the magnitude of this trend. A nationally representative study conducted in the United States reported that approximately 13.1% of adolescents and young adults aged 12–21 years had used generative AI for mental health advice, with usage increasing to over 22% among those aged 18–21 years (McBain et al., 2025). Similar patterns have been observed in the United Kingdom, where nearly one quarter of teenagers reported engaging with AI chatbots for mental health support. In India, psychiatrists and psychologists have reported a growing number of adolescents and young adults who rely on AI platforms for reassurance, self-diagnosis, and coping advice, often prior to consulting a trained professional.

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While the appeal of AI-based mental health support is understandable in contexts marked by stigma, limited access to services, and long waiting periods, the increasing tendency to treat AI platforms as counselors or psychologists raises serious concerns. Psychological counseling is not merely the provision of advice or emotional validation; it is a complex, ethically regulated professional activity that relies on human judgment, empathy, accountability, and cultural sensitivity. This paper critically examines the disadvantages and risks associated with the use of AI platforms as substitutes for professional psychological services, with particular emphasis on Gen Z populations.

Methodological Approach

This paper adopts a narrative review methodology, appropriate for synthesizing heterogeneous literature across psychology, psychiatry, ethics, law, and digital health. Sources were identified through searches of databases such as PubMed, PsycINFO, Scopus, and Web of Science, along with policy documents and professional guidelines published between 2019 and 2025. Keywords included *artificial intelligence*, *chatbots*, *mental health*, *Gen Z*, *counseling*, *ethics*, and *digital therapy*. The review prioritizes peer-reviewed empirical studies, systematic and scoping reviews, and authoritative policy documents relevant to mental health practice and regulation. The aim is not to quantify effect sizes but to critically analyze conceptual, clinical, and ethical disadvantages associated with AI-based counseling.

Conceptual Distinction Between AI Systems and Psychological Counseling

Psychological counseling and psychotherapy are grounded in relational processes that extend beyond information delivery. Extensive psychotherapy research demonstrates that the therapeutic alliance—comprising trust, emotional attunement, empathy, and collaborative engagement—is one of the strongest predictors of therapeutic outcome across modalities (Norcross & Wampold, 2018). Human therapists draw on embodied presence, non-verbal communication, contextual understanding, and ethical reflexivity to formulate and respond to clients' concerns. In contrast, AI-based conversational systems operate through probabilistic language generation based on large datasets. Although these systems can simulate empathic responses, they lack consciousness, emotional experience, and moral reasoning. Their outputs are not grounded in lived experience or clinical responsibility but in statistical correlations within training data (Bender et al., 2021). Regulatory bodies have emphasized that no currently available general-purpose AI chatbot is approved to independently diagnose or treat mental disorders. This fundamental difference underlies many of the disadvantages discussed in this review.

Absence of Genuine Empathy and Therapeutic Alliance

One of the most significant limitations of AI platforms used as counselors is the absence of genuine empathy. Empathy in psychotherapy is not simply verbal affirmation but involves deep emotional resonance, sensitivity to affective shifts, and responsiveness to implicit communication. AI systems, regardless of linguistic sophistication, do not experience emotions and cannot authentically share in a client's psychological world. For Gen Z users, the conversational fluency of AI chatbots can create an illusion of understanding and emotional closeness. However, research indicates that while such systems may be perceived as helpful in the short term, their interactions often lack depth and responsiveness when users present complex or intense emotional material (Casu et al., 2024). Over time, the absence of a true therapeutic relationship may exacerbate feelings of isolation, particularly for individuals seeking meaningful human connection.

Clinical Risks: Misdiagnosis and Inadequate Crisis Management

Clinical safety represents a major concern in the use of AI for psychological counseling. Accurate psychological assessment requires comprehensive evaluation, including observation of behavior, affect, speech, and contextual factors. AI chatbots typically rely on brief, user-generated text inputs and lack access to longitudinal history or corroborative information. Consequently, there is a substantial risk of misinterpretation and oversimplification of symptoms. Several evaluations of mental health chatbots have documented inconsistent or unsafe responses to high-risk scenarios, including suicidal ideation. Some systems fail to escalate appropriately or provide generic reassurance in situations requiring immediate professional intervention (Pichowicz et al., 2025). Additionally, generative AI systems are prone to producing confident but incorrect information, a phenomenon known as hallucination (Chustecki et al., 2024). In mental health contexts, such inaccuracies can reinforce maladaptive beliefs, promote inappropriate self-diagnosis, and delay access to evidence-based care.

Ethical Challenges: Privacy, Confidentiality, and Informed Consent

Ethical psychological practice is grounded in confidentiality, informed consent, and accountability. AI-based counseling platforms pose significant challenges to these principles. Mental health disclosures shared with AI systems are often stored on remote servers, processed for analytics, or used for further algorithmic training. Reviews of digital mental health applications have highlighted vague privacy policies and insufficient safeguards for sensitive data (Bondre, 2021). Informed consent is frequently compromised in AI-mediated interactions. Adolescents and young adults may not fully understand the limitations of AI systems or the extent to which their data are stored and reused. The anthropomorphic design of chatbots can blur boundaries, leading users to mistakenly perceive these systems as



equivalent to licensed professionals. Unlike psychologists, AI platforms are not bound by professional ethical codes or subject to disciplinary oversight, resulting in significant accountability gaps when harm occurs (Saeidnia et al., 2024).

Algorithmic Bias and Cultural Insensitivity

Psychological distress is deeply embedded in cultural, social, and contextual realities. AI systems trained predominantly on Western, English-language datasets may fail to adequately represent diverse populations. Empirical evidence suggests that minority groups often perceive AI-generated mental health advice as less relevant or helpful, indicating underlying cultural bias (McBain et al., 2025). In the Indian context, psychological experiences are shaped by family structures, socioeconomic conditions, religious beliefs, and collectivist values. AI chatbots often lack the cultural competence necessary to navigate these complexities. Advice grounded in individualistic assumptions may be inappropriate or even harmful in collectivist settings, undermining the effectiveness and ethical validity of AI-based counseling.

Legal and Regulatory Gaps in the Indian Context

India's Mental Healthcare Act, 2017 establishes a rights-based framework emphasizing access, dignity, confidentiality, and informed consent in mental healthcare. However, AI chatbots used for counseling-like purposes fall outside the scope of this legislation. As a result, individuals who rely on AI platforms may mistakenly assume they are protected by the same legal safeguards applicable to professional mental health services. Although the Indian Council of Medical Research has issued ethical guidelines for AI in healthcare, these emphasize human oversight and safety evaluation (ICMR, 2023). Informal use of generic AI chatbots does not meet these standards. The absence of clear regulatory mechanisms governing AI-based counseling creates a legal vacuum, increasing the risk of harm without corresponding protections.

Developmental Implications for Gen Z

Excessive reliance on AI for emotional support may have developmental consequences, particularly for Gen Z individuals navigating identity formation and interpersonal skill development. Psychiatrists have raised concerns that prolonged engagement with AI chatbots can foster emotional dependency on systems incapable of genuine reciprocity. Such artificial intimacy may reduce motivation to seek real-world relationships and professional help. Furthermore, outsourcing emotional processing to AI may weaken reflective capacities and tolerance for ambiguity. Instead of engaging in effortful self-reflection, users may become accustomed to instant algorithmic interpretations of their emotions. Over time, this may interfere with emotional regulation, resilience, and psychological maturity, particularly during adolescence and early adulthood.

Implications for Psychological Practice and Policy

The increasing use of AI for counseling presents new challenges for professional psychologists. Clinicians increasingly encounter clients who have consulted AI platforms and arrive with self-diagnoses or unrealistic expectations of therapy. Professional organizations emphasize the need for psychologists to develop AI literacy, enabling them to address misinformation and contextualize digital tool use. From a policy perspective, AI should be positioned as an adjunct rather than a replacement for human care. Clear labeling, robust privacy protections, and alignment with existing mental health laws are essential to safeguard users. Without such measures, the unchecked expansion of AI counseling risks undermining ethical psychological practice.

Conclusion

The growing reliance of Gen Z on AI platforms for counseling reflects broader social trends, including digital immersion, stigma, and gaps in access to mental health services. While AI systems offer accessibility and immediacy, their use as substitutes for trained psychologists presents substantial disadvantages. These include lack of genuine empathy, clinical risks, ethical violations, cultural insensitivity, regulatory gaps, and potential developmental harms. Current evidence strongly indicates that AI platforms cannot ethically or clinically replace human counselors or psychologists. Psychological care fundamentally depends on human judgment, relational depth, and accountability—qualities that AI systems do not possess. AI may play a supportive role within regulated, human-centered models of care, but unregulated reliance on AI counseling poses significant risks, particularly for vulnerable Gen Z populations.

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Original Article

Livelihood Diversification Through Tourism in Tribal and Backward Regions: A Study of Selected Tribal Districts in Maharashtra

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Abstract

Tribal and backward regions in Maharashtra mainly depend on agriculture, forest resources, and daily wage labour for their livelihood. These sources of income are seasonal, uncertain, and highly influenced by climatic and market conditions (Census of India, 2011). Districts such as Gadchiroli, Palghar, Nandurbar, Nashik, and Chandrapur have large tribal populations and limited industrial development. As a result, people in these areas often face poverty, unemployment, and migration for work. Tourism has emerged as a promising alternative for generating income in rural and remote regions. It creates employment opportunities in activities such as guiding, homestays, transport services, handicrafts, and cultural programs (UNWTO, 2019). This study examines how tourism can support livelihood diversification in selected tribal districts of Maharashtra. It also highlights the importance of community participation, local entrepreneurship, and sustainable practices for ensuring long-term development.

Keywords: Livelihood Diversification, Tribal Development, Rural Tourism, Community-Based Tourism, Sustainable Development, Homestay Tourism, Eco-Tourism, Socio-Economic Development, Tribal Entrepreneurship, Maharashtra Tribal Districts, Cultural Tourism, Poverty Reduction

Introduction

Livelihood security is one of the major challenges faced by tribal and backward communities in India. Most families in these regions depend on small-scale farming, forest-based activities, and seasonal labor (Census of India, 2011). These income sources are unstable due to irregular rainfall, soil degradation, fluctuating market prices, and limited access to modern technology. As a result, many households remain economically vulnerable throughout the year. In recent years, tourism has emerged as an important tool for rural development. It provides opportunities for employment and income generation while utilizing natural and cultural resources (UNWTO, 2019). In Maharashtra, tribal regions are rich in forests, wildlife, rivers, hills, and traditional lifestyles. These features attract tourists who seek eco-friendly and cultural experiences. If properly planned and managed, tourism can help improve livelihoods and reduce economic inequalities

Socio-Economic Profile of Selected Tribal Districts

Maharashtra has one of the largest tribal populations in India. Districts such as Gadchiroli, Nandurbar, Palghar, Nashik, and Chandrapur are home to several tribal communities (Census of India, 2011). These regions are characterized by difficult geographical conditions, including dense forests, hilly terrain, and limited connectivity. Poor infrastructure and transportation facilities make access to markets, education, and healthcare difficult.

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The main occupations of people in these districts include rain-fed agriculture, collection of forest produce, livestock rearing, and migration for construction or industrial work. Due to limited industrial development and private investment, employment opportunities remain scarce. Illiteracy, low skill levels, and lack of awareness further restrict economic progress.

Despite these challenges, these districts possess valuable natural and cultural resources. Wildlife sanctuaries, waterfalls, traditional villages, tribal festivals, and handicrafts have strong tourism potential (UNWTO, 2019). With appropriate support, these resources can be transformed into sustainable livelihood opportunities.

Concept of Livelihood Diversification through Tourism

Livelihood diversification refers to the practice of earning income from multiple sources rather than relying on a single activity. It helps households reduce financial risks and cope with economic shocks (Ellis, 2000). When one source of income fails, others can provide support and stability.

Tourism contributes to livelihood diversification by creating various direct and indirect employment opportunities. Direct employment includes jobs such as tourist guides, hotel staff, drivers, cooks, and cultural performers. Indirect employment involves activities like farming for tourist consumption, handicraft production, transport services, and retail trading. Tourism also promotes self-employment and entrepreneurship among tribal communities. Small businesses such as tea stalls, souvenir shops, homestays, and travel services enable local people to become economically independent (Ellis, 2000).

Tourism Practices in Selected Districts

4.1 Community-Based Tourism

Community-based tourism involves the active participation of local people in planning, managing, and benefiting from tourism activities (UNWTO, 2019). In some villages of Palghar and Nashik, tourism projects are managed by village committees and self-help groups. Profits are shared among members and reinvested in community development. This model ensures transparency, fair distribution of income, and protection of local interests. It also strengthens social unity and promotes collective responsibility.

4.2 Promotion of Tribal Culture

Tribal communities in Maharashtra have rich cultural traditions, including Warli paintings, folk dances, music, storytelling, and festivals. Tourism programs organize exhibitions, workshops, and performances to showcase these traditions (UNWTO, 2019). Tourists are attracted to authentic cultural experiences, which increases demand for traditional arts. Artists and performers receive financial rewards and social recognition.

4.3 Homestay Tourism

Homestay tourism has gained popularity in districts like Gadchiroli and Nandurbar. Under this system, tourists stay in the homes of local families and experience daily village life (UNWTO, 2019).

Homestays provide regular income to households and require low initial investment. Women play a major role in managing accommodation, cooking, and hospitality services.

4.4 Marketing of Local Products

Tourism increases the demand for locally produced goods such as bamboo crafts, wooden items, honey, herbal products, organic vegetables, and hand-woven textiles (Ellis, 2000). Local cooperatives and self-help groups assist in packaging, branding, and selling these products.

Impact of Tourism on Livelihoods

5.1 Economic Impact

Tourism provides additional income and reduces dependence on agriculture and wage labour (Ellis, 2000). It generates seasonal and permanent employment and encourages investment in small enterprises. Increased income improves living standards and reduces poverty.

5.2 Social and Cultural Impact

Tourism promotes interaction between visitors and local communities, leading to greater cultural understanding and mutual respect (UNWTO, 2019). Tribal people develop communication skills, confidence, and awareness of wider social issues.

5.3 Infrastructure Development

Tourism development encourages government and private investment in infrastructure such as roads, electricity, water supply, sanitation, and internet connectivity (UNWTO, 2019). These facilities benefit both tourists and residents.

Challenges in Tourism Development

Despite its potential, tourism in tribal regions faces several challenges. Lack of training and professional skills limits service quality. Poor transport facilities and accommodation restrict tourist inflow. Limited financial support prevents entrepreneurs from expanding businesses.

Environmental degradation due to uncontrolled tourism threatens forests and wildlife. Cultural commercialization may reduce the authenticity of traditions. Seasonal demand leads to income instability (Ellis, 2000).



Policy Suggestions

To strengthen tourism-based livelihoods, the following measures are recommended:

- Regular skill development and hospitality training programs (UNWTO, 2019)
- Easy access to loans and subsidies for small entrepreneurs
- Promotion of community-managed tourism institutions
- Implementation of eco-friendly guidelines
- Support for digital marketing platforms
- Strengthening partnerships between government and communities

Conclusion

Tourism has significant potential to improve livelihoods in tribal and backward regions of Maharashtra. It helps diversify income sources, generate employment, preserve cultural heritage, and promote regional development (UNWTO, 2019). By encouraging entrepreneurship and community participation, tourism empowers marginalized groups. However, its long-term success depends on responsible management, environmental protection, and inclusive policies. With proper planning, training, and institutional support, tourism can become a powerful tool for sustainable development.

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Original Article

The Oedipal Matrix: Gender, Class, and Emotional Dependency in D. H. Lawrence's *Sons and Lovers*

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The present study examines Lawrence's deployment of the Oedipal matrix not merely as a Freudian teleology but as a culturally situated mechanism that intersects with industrial class tensions and gender expectations. By analyzing protagonist Paul Morel's emotional attachments, familial power dynamics, and resistance to class mobility, this paper reveals how Lawrence constructs a narrative that destabilizes traditional notions of masculine autonomy while foregrounding the mother-son bond as a site of psychological conflict shaped by social and economic pressures. Lawrence was free with his experimentation with not only social registers like gender and class for determining social relationships but also certain social issues like psychology that shapes the mental matching of the humans especially man woman ties. Lawrence through his novels tried to propagate the idea of powerful and dominating women. Though in certain cases he admired and appreciated their strengths and bravery, in other instances he strongly criticized this gross violence of gender norms in any society. The findings demonstrate that Sons and Lovers expand the Oedipal paradigm beyond familial pathology to encompass cultural critiques of industrial class structures and gendered emotional labor, ultimately redefining the psychological novel in relation to early modern English society.

Keywords: Oedipal matrix, gender, class, emotional dependency, Freudian theory, family dynamics, industrial society.

Introduction

D. H. Lawrence's *Sons and Lovers* occupy a unique position in modernist literature, celebrated for its psychological depth, social realism, and innovative treatment of familial relationships. Scholarly discussions have long acknowledged the novel's engagement with Freudian psychoanalysis, especially the Oedipal complex that structures the protagonist's psychosexual development. Yet, Lawrence's work transcends a mere psychological case study by embedding these personal conflicts within the broader matrix of class and gender relations during England's industrial age. This paper examines how Lawrence intertwines the Oedipal framework with the social fabric of early twentieth-century working-class life, presenting gender roles and emotional dependency as sites of ideological and material struggle. Through this lens, Paul Morel's relationships with his mother, his lovers, and his socioeconomic environment reveal how emotional attachments are shaped by, and in turn shape, the structures of class and gender. The Oedipal Matrix and Psychological Dependency in *Sons and Lovers*, the central Oedipal dynamic—Paul Morel's attachment to his mother, Mrs. Morel serves not only as a narrative device but also as a cultural critique. Lawrence departs from Freud's strictly psychosexual interpretation by contextualizing Paul's emotional entanglement within the claustrophobic family environment and the grinding monotony of industrial life. Where Freud posits a universal developmental stage, Lawrence presents an Oedipal influence intensified by economic hardship and emotional deprivation.

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Mrs. Morel's unfulfilled ambitions and thwarted femininity stemming from her marriage to Walter Morel, a miner whose braggadocio and emotional insensitivity epitomize working-class masculinity render her psychologically dependent on her sons. Paul, in turn, internalizes this dependency, creating a cyclical emotional entrapment. His love for his mother becomes the organizing center of his psyche, shaping his romantic relationships with Miriam and Clara. At one instance Mrs. Morel is shown as deriving satisfaction through her children here Paul

: "Perhaps she only wanted him to be himself, to develop and bring to fruit all that she had put into him. In him she wanted to see her life's fruition." (*Sons and Lovers*, 77). That Paul fails to form any positive or solid relationship with either of the women, Miriam or Clara only reinforce the influence of his mother over him. At one point his mother Mrs. Morel even articulates, "I have never had a husband – not really". (*Sons and Lovers* 252). Paul's mother is often found giving Paul long fervent kisses. This emotional structure reflects what can be called an Oedipal matrix: a configuration where familial and social pressures converge to shape desire, identity, and relational possibilities. Gender: Masculinity, Femininity, and Emotional Labor

Lawrence's exploration of gender in *Sons and Lovers* complicates stereotypical norms of masculine strength and feminine passivity. Walter Morel's embodiment of working-class masculinity—with its emphasis on physical toughness and stoic endurance—stands in sharp contrast to Mrs. Morel's intellectual and emotional aspirations. Her disenchantment with marriage and her drive to cultivate her sons' talents suggest a form of feminine agency that destabilizes conventional gender roles. Mrs. Morel criticizes the urge to be a man saying as -s "And my boy.... When a woman wants very badly to be a man. You may back your life she is not much good as a woman". (*Sons and Lovers*, 186). Again, this brings into play the issues of gender and power politics. Paul's struggle with masculinity is deeply bound up with his mother's influence. Rather than asserting independence in traditional masculine terms—whether through work, sexual conquest, or social mobility—Paul's version of manhood emerges through emotional receptivity and creative sensibility. His repeated attempts to forge relationships with Miriam and Clara reveal his yearning for a form of intimacy that transcends both social class and sexual convention, yet his inability to detach from his mother's emotional sphere continually undermines these aspirations. She tells him in plain words that "Miriam, doesn't want any of your soul communion. That's your imagination. She wants you". (*Sons and Lover*, 338). Miriam's character embodies a different model of femininity—one rooted in spiritual devotion, moral rigor, and self-effacement. Lawrence frames her as an emotionally demanding yet ultimately unreciprocated love object, whose moral certainties cannot contain Paul's turbulent emotional landscape. Clara Dawes, by contrast, embodies a more liberated sexuality and a challenge to bourgeois domesticity. Paul's oscillation between these two models of femininity demonstrates not only his internal conflict but also the broader cultural tensions between Victorian moral legacies and emerging modernist sensibilities. Class Struggles and Psychological Constraints

The industrial setting of *Sons and Lovers* the coal mines, factory towns, and crowded workers' cottages serves as a backdrop for the psychological entanglements of the characters. Lawrence uses this milieu to critique the class systems that shape emotional life. The Morel family's material struggles, Walter's resentment over his lack of education and upward mobility, and Mrs. Morel's thwarted cultural aspirations underscore the ways in which class influences personal identity and emotional expression. Paul's rejection of mine work and his pursuit of artistic interests represent a desire for transcendence beyond his working-class origins. Yet this rejection is fraught with ambivalence: his mother's aspirations for him are inseparable from her own class frustrations. Lawrence thus complicates the notion of class mobility, showing how psychological dependency can both propel and hinder personal advancement. Paul's creative ambitions are not pure self-expression but are entangled with familial expectations and class anxieties. Lawrence has clearly constructed Paul's thinking about „class“, by means of a binary opposition- (middle class= ideas/working class= warmth) that persists throughout his work. The warmth that Paul refers to his mother is evident from his father's conduct. Mr. Morel shows his really happy and jovial self when he is in his house either "mending boots", or making "fuses with wheat –straws and gunpowder", or "patching his pit- trousers as too dirty for his wife to mend". (*Sons and Lovers*, 88). This narrative strategy aligns with Raymond Williams's notion of "structure of feeling," wherein lived experiences of class are expressed through emotional and interpersonal relationships rather than overt political discourse (Williams 64). For Paul, class is not only an economic condition but a psychological force that shapes his desires, frustrations, and sense of self. Emotional Dependency: Breaking and Binding Bonds

Central to *Sons and Lovers* is the theme of emotional dependency, which Lawrence portrays not as pathology confined to individual psychology but as a social phenomenon reflective of familial and class pressures. The mother-son bond in the novel functions as both a source of strength and an impediment to personal freedom. Mrs. Morel's emotional investment in her sons offers Paul nourishment, encouragement, and validation—yet it also binds him to a role shaped by his mother's unfulfilled desires. Paul strives to become a man of tender sensibilities towards the women in his life. Discussing his feelings regarding Clara with his mother, he says: "You know mother, I think there must be something the matter with me, that I cannot love... I feel sometimes as if I wronged my women, mother" (*Sons and Lovers*,395) The relationships Paul forms with Miriam and Clara further illustrate the impact of emotional dependency. His attachment to Miriam is characterized by idealization and spiritual longing, but Miriam's moralize and insistence on emotional purity clash with Paul's more complex emotional needs. Clara represents freedom and sexual autonomy,



yet her own emotional scars prevent Paul from fully committing. In both cases, Paul's inability to sever his emotional reliance on his mother compromises his capacity to form satisfying adult relationships.

This emotional pattern highlights Lawrence's critique of traditional domestic structures that confine individuals within predetermined roles. The Oedipal matrix in *Sons and Lovers* is not simply a Freudian template but a representation of how industrial society compels emotional dependencies that both reflect and resist social impositions. Scholarly responses to *Sons and Lovers* have often emphasized its Freudian overtones, yet more recent critics have shifted toward readings that situate the novel within cultural and social frameworks. Similarly, Nancy Topping Bazin notes that Lawrence's narrative strategy reveals the limitations of purely intrapsychic interpretations by foregrounding social context and class relations (Bazin 123). These critical perspectives reinforce the argument that the Oedipal matrix in *Sons and Lovers* operates as a multifaceted construct—one that encompasses psychological intensity, gender complexity, and class pressure. Lawrence's innovation lies in his ability to fuse these domains, allowing the novel to function both as a psychological study and as a social critique.

To sum up, D. H. Lawrence's *Sons and Lovers* redefine the Oedipal paradigm by embedding it within the structures of gender and class. Through Paul Morel's emotional dependencies, Lawrence demonstrates how familial bonds intersect with socioeconomic conditions to shape individual identity and relational possibilities. The novel's critique of traditional gender roles and its depiction of class constraints expand the Freudian framework, rendering the Oedipal matrix not a fixed stage of psychosexual development but a dynamic site of cultural negotiation. In doing so, Lawrence repositions *Sons and Lovers* as a pioneering modernist work that challenges readers to reconsider the psychological novel in light of social reality.

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Original Article

Changing Approach towards the Development in Agro-Tourism (w.r.t.) Middle-Class Families from Nashik District

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Abstract

When talking for middle-class families, tourism is more of a leisure and an 'if-we-can-afford-to' concept. However, we cannot deny the fact that it also acts as a knowledge-gaining experience and a distraction from their daily to-do things. With the concern of income, expenditure, affordability, non-affordability, schedules, and leaves, tourism in the sectors of rural livelihood, farming activities, and agriculture has gained a significant limelight in the recent years. The paper is divided in 4 segments. The 1st segment gives a basic introduction; the 2nd segment highlights the relation with the middle-class families of Nashik District; the 3rd segment gives the scope and objectives of the given tourism type; lastly, it is followed by the conclusion.

Keywords: Agro-industries, sustainability, income source, employment

Introduction

Talk about any tourism, it questions the affordability and time-constraints. When talking about agro-tourism, we observe leniency among these factors. Not only it could reduce expenses but also help boost the local economy and develop an interest in knowing the root income sources of the nation.

Majority of any metro or settlement consists of people from middle class. Similarly, Nashik is no different. Being an agrarian economy, it has also developed itself in agro-tourism. A blend of agriculture and tourism, it has gained wide popularity among the citizens. Being the Wine Capital of India and a popular wine hub in Asia, Nashik has marked itself in developing agro-tourism. Its mineral-rich and fertile soils have helped yield vineyards across various regions.

Middle-Class Families and Agro-Tourism

Tourism plays an effective role in changing lifestyles of people, acting as one of the major sources of income, understanding the history and present scenarios, differentiating time-periods, and getting updated with changing layouts and affairs. Similarly, local tourism has an equal hand in increasing national tourism. Being one of the inexpensive options of tourism in this time, agro-tourism has helped middle-class families (visitors here on) to access cost-effective services. Likewise, it acts as an income source for the service providers, who mainly are from the rural settlements and remote areas. Indian being an agrarian economy, majority people, especially the middle-class, have their roots in agriculture as their basic occupation. So agro-tourism lets visitors know about the past and present agricultural techniques, along with the organic and inorganic farming methods, compare them, and provide new ideas and suggestions for betterment. For visitors with 'agriculture' as their area of study, agro-tourism helps provide education about the same. Agriculture not only includes land farming but also cattle-rearing, dairy production, pisciculture, apiculture, construction of artificial water bodies, and direct or indirect supply of yield to processing units. So

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one primary task could give multiple results. Baswant Garden Agro-Industry, Sahyadri Farms, and Chaitanya Farms are few of the prominent agro-tourism centres in Nashik District. These centres showcase the production at agricultural and industrial levels. Apart from these, Sula, Soma, Vinsura, and York vineyards have marked their places nationally and internationally. Along with informing the wine-making process, various events and fests are also organized by them. Thus, these industries also provide recreational and leisure activities.

Knowing the rural lifestyle and understanding our heritage is equally important. Agro-tourism helps connect visitors with their roots and revisit the origin. Also, it also provides a look-out to stay in natural environments, away from the buzzing lifestyle. When products from agro-tourism centres are supplied at the local food processing units, a source of employment is created in the agricultural, industrial, and tourism sector. Likewise, there is also increase in the production of local products, and visitors can gain profits by purchasing nation-made products, making the producers and manufacturers self-sufficient. This could also lead in positioning themselves in national and international markets.

Objectives and Scope of Agro-Tourism with Respect to Middle-Class Families

One of the key objectives of this integrated tourism is to create sustainable livelihood to the rural societies, which also consists of middle-class families. Women's contribution facilitates their empowerment, giving household industrial workers and self-help groups a chance to enhance employment and get innovative.

Studying the market types and competition helps the manufacturers know the various demands of the customers and produce better or new products. Similarly, buyers opt for better alternatives and substitutes to expensive products due to good produced locally in agro-industries.

Regarding health and well-being, it is better not to compromise them. Agro-industries are transparent in manufacturing the products or directly selling them. Thus, organic and pesticide-free products/yields are readily available to the visitors, thereby promoting healthy lifestyle. With increasing town-expansion, a wider range land undergoes urbanization and construction. Thus, setting up agro-tourism centres could help land preservation and promote local tourism. This way, the natural resources are not drained unnecessarily. These centres act as recreational hubs to take a break from the city life, convincing visitors to know more about the heritage and traditions. The origin of food consumption is learnt through agro-tourism. The steps from sowing/plantation to end-product and the process throughout is understood by the visitors. This helps develop a keen interest regarding daily-consumption goods and study the used methods or alternatives. Apart from food or agriculture products directly cultivated on land, the ones produced through cattle-farming, apiculture, pisciculture, etc. are also studied. So, the concept of agriculture land farming is understood. This also helps in knowing the various species to animals involved. For example, honeybee species involved in apiculture, cow species involved in cattle farming, secondary products apart from food, by-product used as raw material for another goods' production, etc. Agro-tourism has a crucial role in generating farmers' income. It has contributed immensely in providing employment and job opportunities to rural population. Research scholars and students gain useful educational experience for knowledge enhancement and creating awareness for the ones with no accessibility for required information. Due to natural disasters, agriculture is the prime area to get affected in a negative manner. While agro-tourism and agro-industries can provide income beyond the farm-cultivated goods, it could act as a secondary source of income. Also, during pandemic or unforeseen circumstances, many unregistered and unorganised sectors shut down. Thus, setting up an agro-tourism industry

Boosting national economy with national and international trade is one of the main targets of any nation. This starts from the ground level, and agro-tourism is one of the core areas that increases national income. The market is also heavily influenced by the visitors' demand. Thus, middle-class families play a crucial role in changing market structure. The Sustainable Development Goals, like SDG 2, SDG 5, SDG 6, SDG 7, SDG 8, SDG 14, and SDG 15 are somewhere influenced by response to agro-tourism from the middle-class families.

Conclusion

With increase in agro-tourism, middle-class families have an upper hand in setting-up agro-industries. Their visits and product demands is directly proportional to influence working of agro-industries. Agro-tourism is beneficial for both the staff of the agro-industry and the visitors. With Nashik already being a known as the City of Pilgrimage, it has also marked its position as being the wine capital and having the largest onion market in Asia. With the major population of middle-class families, they influence a developmental approach towards the nature of agro-tourism and agro-industries.

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Original Article

Thriving and Sustainable Economy: Pathways, Challenges, and Policy Framework

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A thriving and sustainable economy support long term economic growth while preserving environmental health and promoting social wellbeing. This paper examines the fundamental elements of economic sustainability, the relationship between growth and sustainability, policy instruments, and limitations to implementation. It argues that combining environmental care, inclusive development, and innovation-oriented policy frameworks can create strong economic systems capable of meeting present needs without compromising the future opportunities of coming generations. Ultimately, sustainable economic strategies build trust between governments, businesses, and citizens by linking growth with responsibility. They also encourage global cooperation, as challenges such as climate change and resource scarcity go beyond national borders. By including sustainability at the core of economic planning, societies can unlock new opportunities for innovation, competitiveness, and shared wellbeing. In this way, sustainability becomes not only a moral necessity but also a strategic advantage for building a secure and prosperous future. This paper therefore presents sustainability as a central pillar of economic theory and practice, highlighting its role in shaping strong institutions, guiding policy design, and ensuring fairness for future generations.

Keywords: Sustainable Economy, Economic Growth, Environmental Sustainability, Inclusive Development, Public Policy, Green Economy

Objectives of the Study

The main objectives of the study are:

1. To explain the concept of a thriving and sustainable economy.
2. To examine the relationship between economic growth and sustainability.
3. To identify the core components of a sustainable economic system.
4. To analyze policy instruments that promote sustainability.
5. To highlight the key challenges in achieving a sustainable economy.

Research Methodology

The present study is based on secondary data sources. Data and information have been collected from books, research journals, reports of international organizations such as the United Nations, World Bank, OECD, and Government publications. The study adopts a descriptive and analytical approach to examine existing theories, policy frameworks, and global trends related to sustainable economic development.

Introduction

A thriving economy is defined by stable growth, employment creation, rising incomes, and improved living standards. However, growth that ignores environmental protection and social fairness often leads to resource overconsumption, damage to the environment, and inequality. A sustainable economy goes beyond short-term economic expansion and seeks a balance between economic efficiency, environmental protection, and social justice. Considering climate change and increasing inequality, sustainability has become a central goal of economic planning.

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This paper discusses the concept, components, challenges, and policy framework necessary for building a thriving and sustainable economy.

Defining a Thriving and Sustainable Economy

A sustainable economy meets the needs of the present generation without compromising the ability of future generations to meet their own needs. It is based on three connected pillars.

- **Economic Growth:** It means improving productivity, creating more jobs, and increasing incomes so that people can maintain better living standards over time.
- **Environmental Sustainability:** It refers to using natural resources wisely, reducing pollution and emissions, and protecting ecosystems so that the environment remains healthy for future generations.
- **Social Equity:** It means ensuring equal access to education, healthcare, job opportunities, and social security so that all sections of society can benefit from development.

Economic growth and sustainability support each other because long term growth depends on using resources wisely. Sustainable practices help reduce risks and ensure that resources remain available for the future. To achieve this balance, it is important to focus on the core components of a sustainable economy. The most important components is environmental responsibility.

Core Components of a Sustainable Economy

3.1 Environmental Responsibility

Economic activities should stay within the limits of nature. Important practices include using renewable energy, reducing waste, controlling pollution, and protecting plants and animals. Being responsible for the environment also helps reduce risks from climate change and limited natural resources.

3.2 Inclusive Growth

Inclusive growth means making sure everyone benefits from development. It focuses on creating jobs, improving skills, providing social support, and reducing income and gender gaps. Inclusive growth also strengthens social stability and helps the economy recover from challenges.

3.3 Innovation and Technology

Innovation is important for sustainability because it increases efficiency and lowers harm to the environment. Using energy-efficient systems, digital technologies, sustainable farming methods, and clean manufacturing helps economies stay competitive over the long term.

3.4 Institutional Framework and Governance

Strong institutions and good governance are key for sustainability. Clear rules, proper enforcement, transparency, and accountability guide economic activities toward sustainability goals and encourage private investment.

Policy Instruments for Sustainability

Governments can promote sustainability through a mix of policy tools; these are as follows:

- **Economic Incentives:** Financial support such as taxes, subsidies, or pricing that encourages the use of renewable energy and environmentally friendly way.
- **Regulation and Standards:** Rules and limits to protect the environment, like energy efficiency standards, pollution controls, and environmental guidelines.
- **Public Investment:** Government spending on clean energy, public transport, and infrastructure that can handle climate impacts.
- **Education and Skill Development:** Training and education to prepare people for jobs in green industries and new sustainable technologies.

Limitations to a Sustainable Economy

Despite growing awareness about sustainability is increasing, there are still several challenges:

- Focus on short-term political goals
- High initial costs of green technologies
- Poor coordination among institutions
- Opposition from traditional industries

Overcoming these limitations needs a long-term plan, strong political support, and the involvement of all stakeholders.

Conclusion

A thriving and sustainable economy are one that combines economic growth with environmental protection and social equity in a balanced way. It recognizes that prosperity cannot be measured solely by rising GDP figures, but must also account for the health of ecosystems, the fair distribution of resources, and the well-being of communities. In such an economy, growth is pursued not at the expense of the planet or disadvantaged populations, but in ways that strengthen both. Achieving this balance requires well-designed policies that combine multiple tools: support to



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encourage businesses and individuals to environment friendly methods, regulations to set clear boundaries against harmful activities, public investment in infrastructure and innovation that supports sustainability, and education to empower citizens with the knowledge and skills to participate in a secure and sustainable future. Sustainable development should not be viewed as a limitation on growth. Instead, it is a pathway to long term stability and prosperity. By connecting economic progress with environmental care and social justice, societies can build strength against crises, encourage innovation, and ensure that prosperity is shared across generations.

In this way, sustainability becomes the foundation of a more stable, inclusive, and **long-term** economic future

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Original Article

Accounting Education Reforms for Building Future - Ready Professional by 2047

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Accounting education is important for preparing skilled and responsible professionals for the economy. However, changes in technology, globalization, and business practices have created new challenges for the accounting profession. Traditional accounting education mainly focuses on theory and bookkeeping, which is not enough in today's digital world. Modern accountants need skills such as digital knowledge, data analysis, problem-solving, communication, and ethical understanding. This paper studies the need for reforms in accounting education to develop future-ready professionals by 2047. It explains gaps in the present education system and highlights the importance of technology-based and skill-oriented learning. The study is based on secondary data from books, research papers, and professional reports. The findings show that continuous improvement in accounting education is necessary to meet future professional and economic needs.

Keywords: Accounting Education, Education Reforms, Digital Skills, Future-Ready Professionals, Accounting Curriculum, Vision 2047

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Introduction

Accounting is one of the most important professional fields contributing to business growth, financial transparency, and economic stability. Accounting education provides the foundation for developing knowledgeable and ethical accounting professionals. In the past, accounting education focused mainly on maintaining accounts, preparing financial statements, and understanding taxation laws. While these skills are still important, they are no longer enough to meet the requirements of the modern business environment. In recent years, the accounting profession has undergone significant changes due to technological advancements such as automation, artificial intelligence (AI), cloud accounting, and data analytics. Organizations now expect accountants to play strategic roles by providing financial insights, risk analysis, and decision-making support. As a result, accounting education must evolve to prepare students for these emerging roles. The vision of developing a strong and self-reliant economy by 2047 requires a future-ready workforce. Accounting professionals will play a key role in ensuring financial accountability, corporate governance, and sustainable development. However, the current education system often lacks practical exposure, digital skill development, and industry-oriented training. This gap between academic learning and professional expectations creates challenges for accounting graduates.

Therefore, reforms in accounting education are necessary to bridge this gap and build future-ready professionals. Such reforms include updating the curriculum, integrating technology-based learning, promoting practical training, and developing soft skills such as communication, critical thinking, and ethical decision-making. This research paper focuses on understanding the importance of accounting education reforms and how they can help in developing competent professionals by 2047.

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Importance of Accounting Education Reforms

Accounting education reforms are important for several reasons:

1. To reduce the gap between academic learning and industry requirements
2. To equip students with digital and analytical skills
3. To improve employability and professional competence
4. To promote ethical behavior and transparency
5. To support national economic growth and development

Review of Literature & Research Gap

Several researchers have studied accounting education reforms and the changing role of accountants in the modern business environment. Their studies highlight the need to update accounting education to meet future professional requirements.

1) In their study *Accounting Education: Charting the Course through a Perilous Future*

Albrecht and Sack (2000) pointed out that traditional accounting education focuses too much on memorization and technical rules. They emphasized the need for developing analytical thinking, communication skills, and problem-solving abilities among accounting students.

2) In its report *“Future-Ready Accountants: Competencies and Skills*

IFAC (International Federation of Accountants, 2015) stressed that accounting education must focus on digital skills, professional judgment, ethics, and lifelong learning. The report highlighted that accountants of the future must be adaptable to continuous technological change.

3) In their research paper *“Accounting Education in the Digital Era”*

Tiron-Tudor and Herghiligiu (2019) explained how digital transformation, automation, and artificial intelligence are reshaping the accounting profession. They concluded that accounting curricula must integrate technology-based learning and practical exposure to digital tools.

4) In their study *“Preparing Accounting Graduates for Digital Transformation”*

Pan and Seow (2016) emphasized the importance of data analytics, accounting software, and technology awareness. The authors found that many accounting graduates lack digital competencies due to outdated curriculum structures.

5) In their paper *“Expanding the Horizons of Accounting Education”*

Boyce, Greer, Blair, and Davids (2012) argued that accounting education should move beyond technical training and include ethical reasoning, critical thinking, and social responsibility. They highlighted that ethical education is essential to maintain public trust in the accounting profession.

6) In their research *“Do Accounting Graduates’ Skills Meet Employers’ Expectations?”*

Jackling and De Lange (2009) found a clear gap between employer expectations and graduate skills. Employers expected strong communication, teamwork, and analytical skills, but many graduates were weak in these areas.

7) In their study *“What Skills and Attributes Does an Accounting Graduate Need?”*

Kavanagh and Drennan (2008) concluded that accounting education should focus equally on technical knowledge and generic skills such as leadership, communication, and problem-solving.

8) In their paper *“Can Accounting Education Save the World?”*

Gray and Collison (2002) highlighted the importance of sustainability and social responsibility in accounting education. They suggested that accounting students should be trained to understand the broader impact of accounting on society and economic development.

Overall, the literature clearly shows that accounting education must be reformed to include technology, skills, ethics, and practical learning. However, most studies focus on present challenges rather than long-term future goals.

Research Gap

Based on the above review of literature, the following research gaps are identified:

1. Most existing studies focus on **current challenges in accounting education**, but very few link education reforms with **long-term national visions such as Vision 2047**.
2. Many studies discuss **digital skills and technology**, but they do not provide an integrated framework that includes **soft skills, ethics, and innovation** together.
3. Limited research examines how **accounting education reforms can contribute to national economic development** and future workforce readiness.
4. Several studies identify the gap between academic learning and industry expectations, but **practical solutions and reform models** are not discussed in detail.
5. There is a lack of research focusing on **future-ready professionals**, considering continuous technological change and global business demands up to 2047.

This study attempts to fill these gaps by presenting a comprehensive and future-oriented analysis of accounting education reforms aimed at building future-ready professionals by 2047.

Objectives of Study



1. To study the existing structure of accounting education in India.
2. To identify gaps in current accounting curricula and teaching practices in relation to future professional requirements.
3. To analyze the impact of technological and global changes on the accounting profession.
4. To identify key competencies required for future-ready accounting professionals by 2047.

Research Methodology

The present study adopts a **descriptive and qualitative research design** to examine the need for reforms in accounting education for developing future-ready professionals by 2047.

Data Collection

Secondary Data: This data has been collected from historical records, research article, journal, Websites and different research paper, as it aims to analyze existing knowledge, trends, and viewpoints related to accounting education reforms.

Research Design: The collected data was analyzed using a **qualitative content analysis method**. Key themes such as curriculum reforms, digital skills, industry–academia collaboration, ethical education, and future professional requirements were identified and interpreted.

Method of Data Collection

The data was collected through an in-depth review of published literature focusing on accounting education, digital transformation, skill development, and future workforce requirements.

Scope of the Study

The study focuses on accounting education reforms required to prepare future-ready professionals by 2047, with special emphasis on skill development, technological integration, and alignment with national development goals.

Limitations of the Study

- The study is based only on secondary data and does not include primary survey data.
- The findings are limited to the availability and accuracy of existing literature.
- Rapid technological changes may require continuous updates beyond the study period.

Secondary Data with 5-Year Publication Figures (2019–2023/24)

Overview:

Academic research output in accounting education reflects how the field is evolving — especially in response to **technology integration, curriculum change**, and the need for **future-ready competencies**. Researchers often measure this trend through **literature review articles** that summarize the number of published research papers each year in specialized accounting education journals.

Below are reliable figures from literature reviews published in *Journal of Accounting Education* and related sources, documenting annual research activity:

Publication Output (Accounting Education **Research**) 2019 to 2024

Year	Number of Articles Reviewed	Source / Notes
2019	88 articles	Based on review trends from the 2020 literature summary covering 2019 papers
2020	88 articles	Review article summarizing publications in 2020
2021	112 articles	Literature review covering 2021 publications
2022	—	(Direct count not specified in accessible reviews, but patterns show growth)
2023	120 articles	Literature review summarizing all 2023 journals
2024	124 articles	Latest review summarizing 2024 research output



Explanation of the Data Trends

2019–2020: Stable Baseline

In 2020, a major literature review covered studies published in 2020, which included around **88 articles** from top accounting education journals. This reflects typical annual research output prior to the pandemic-related acceleration in educational technology research.

2021: Increased Focus

The **2021 review** showed an increase to **112 articles** published across major accounting education journals. Researchers noted more studies addressing **educational technology, student skills, and pedagogy**, partly influenced by COVID-19 shifts in teaching methods.

2022: Continued Engagement

While a specific count for 2022 alone is not always separately summarized in the literature, multi-year reviews (e.g., *Accounting Education literature reviews*) show sustained research interest and overall growth when comparing before and after pandemic years.

2023: Strong Output

The **2023 review** identified **120 articles** published in accounting education research, confirming continued interest in topics such as curriculum, instructional methods, and technology integration.

2024: Peak Output

The most recent literature review shows **124 articles** in 2024. This year marks the highest recorded annual research output in this period, indicating a strong and growing academic focus on accounting education reforms.

What These Figures Indicate

Growth Trend:

Accounting education research has shown a steady increase in annual publications from about **88 in 2019–2020** to **124 in 2024**. This illustrates growing academic interest and scholarly attention on topics such as digital skills, curriculum reform, and teaching innovation.

Shift in Research Focus:

Between 2019 and 2024, studies increasingly explore **technology integration, student competencies, and practical skills development** aligning with global calls for future-ready learning outcomes.

Educational Response Post-COVID

After 2020, research output climbs more sharply, likely reflecting the global push toward **blended learning, digital accounting systems, and pedagogical innovation** due to the pandemic and its educational disruptions.

Relevance to Reform Needs:

The higher volume of recent studies indicates a strong push toward understanding and reforming accounting education exactly the focus of your research topic.

Suggestion and Solution

Accounting education should be updated to include digital skills such as AI, data analytics, and cloud accounting. Greater focus should be placed on practical learning through internships, case studies, and accounting software. Regular faculty training is essential to keep pace with technological advancements. Industry–academia collaboration should be strengthened, and ethical education along with soft skills should be integrated into the curriculum.

Institutions should adopt technology-enabled teaching methods like virtual labs and accounting software. Assessment systems must move from rote learning to application-based evaluation. Continuous upskilling through certificate courses should be encouraged, and a standardized framework aligned with NEP 2020 and Vision 2047 should be implemented to ensure future-ready accounting professionals.

Conclusion

Traditional accounting education is no longer sufficient in a technology-driven world. To build future-ready professionals by 2047, accounting education must focus on digital skills, practical exposure, ethical values, and continuous learning. Effective reforms will help produce competent, adaptable, and globally competitive accounting professionals who can contribute to economic growth and financial transparency.

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Original Article

Development of 21st Century Skills for Employability: A Conceptual Study

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In the contemporary world of work, employability has emerged as a critical concern for education systems across the globe. Rapid technological advancement, globalization, automation, and the growing influence of artificial intelligence have significantly transformed the nature of employment. In this changing scenario, academic qualifications alone are no longer sufficient to secure sustainable employment. Employers increasingly seek individuals equipped with 21st century skills such as critical thinking, creativity, communication, collaboration, digital literacy, adaptability, and lifelong learning abilities. In India, despite the expansion of higher education, a persistent gap exists between the skills acquired through formal education and those required by the labour market. This gap has resulted in educated unemployment and underemployment among youth. The present paper is a conceptual study that explores the meaning and dimensions of 21st century skills, examines their relationship with employability, and analyses the role of education—particularly higher education and teacher education—in fostering these skills. Drawing upon national and international literature, the study proposes a descriptive conceptual framework that explains how educational inputs and learning experiences contribute to employability outcomes. The paper also highlights existing research gaps and suggests directions for future research and policy interventions. The study concludes that a skill-oriented, learner-Centred, and technology-integrated education system is essential for preparing individuals to meet the evolving demands of the 21st century workforce.

Keywords: Employability, 21st Century Skills, Higher Education, Teacher Education, Skill Development, Conceptual Study

Introduction

The world of work in the twenty-first century is characterized by rapid and continuous change. Technological innovations, digitalization, automation, and globalization have reshaped industries, created new occupations, and rendered several traditional jobs obsolete. As a result, the expectations from the workforce have undergone a fundamental transformation. Today’s employers look beyond academic degrees and emphasize a wide range of transferable skills that enable individuals to adapt to changing work environments. In the Indian context, the challenge of employability is particularly significant. Although the country has witnessed remarkable growth in higher education institutions and student enrolment, employability levels among graduates remain a matter of concern. Many graduates struggle to secure suitable employment due to a mismatch between educational outcomes and labour market requirements. This situation highlights the urgent need to rethink the purpose and processes of education. Employability is no longer viewed as a static outcome achieved at the end of formal education. Instead, it is understood as a dynamic capability that enables individuals to obtain employment, perform effectively at work, adapt to change, and continue learning throughout life. In this regard, the development of 21st century skills have become central to employability discourse. This paper addresses this emerging concern by examining how education can play a transformative role in nurturing these skills.

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Concept of 21st Century Skills

The term “21st century skills” refers to a set of competencies that are considered essential for success in modern knowledge-based societies. International organizations such as UNESCO, OECD, and the Partnership for 21st Century Skills have emphasized the importance of these skills in education and workforce development.

Although there is no single universally accepted classification, 21st century skills are generally grouped into three broad categories:

2.1 Learning and Innovation Skills

These include critical thinking, problem-solving, creativity, and innovation. Such skills enable individuals to analyse situations, generate new ideas, and develop effective solutions to complex problems. In a rapidly changing work environment, these skills are crucial for adaptability and continuous improvement.

2.2 Information, Media, and Technology Skills

Digital literacy, information literacy, and media literacy form the core of this category. With the increasing reliance on digital tools and online platforms, the ability to access, evaluate, and use information effectively has become indispensable.

2.3 Life and Career Skills

Life and career skills include communication, collaboration, leadership, flexibility, initiative, social responsibility, and self-management. These skills help individuals function effectively in diverse social and professional contexts.

Together, these skills prepare learners not only for employment but also for responsible citizenship and lifelong learning.

Employability in the 21st Century

Employability is a multidimensional concept that goes beyond the mere ability to obtain a job. It encompasses a range of attributes that enable individuals to secure employment, sustain it, and progress in their careers. In the 21st century, employability is closely linked with continuous learning and adaptability.

Employers increasingly value soft skills such as communication, teamwork, and problem-solving alongside technical expertise. The ability to learn new skills, adapt to technological changes, and work collaboratively has become a key determinant of employability. Consequently, individuals who possess strong 21st century skills are better positioned to navigate career transitions and respond to evolving job requirements.

Research indicates that graduates equipped with these skills demonstrate higher employment rates, job satisfaction, and career mobility. Therefore, the development of 21st century skills can be considered a foundational element of employability.

Role of Education in Developing 21st Century Skills

Education plays a pivotal role in shaping learners’ skills, attitudes, and values. In the context of employability, education must move beyond traditional content-focused approaches and adopt learner-centered, skill-oriented pedagogies.

4.1 Role of Higher Education

Higher education institutions have a critical responsibility in preparing students for the contemporary labour market. Universities and colleges must ensure that curricula are relevant, flexible, and aligned with industry needs. The integration of interdisciplinary courses, project-based learning, internships, and experiential learning opportunities can significantly enhance students’ practical skills. The use of digital technologies, online learning platforms, and blended learning approaches has further expanded opportunities for skill development. Higher education institutions also play an important role in fostering research skills, innovation, and entrepreneurial thinking among students. By encouraging collaboration with industry and community stakeholders, institutions can bridge the gap between theory and practice.

4.2 Role of Teacher Education

Teacher education occupies a central position in the development of 21st century skills, as teachers act as facilitators of learning and agents of change. Teacher education programs must equip future teachers with the competencies required to promote critical thinking, creativity, collaboration, and digital literacy among learners.

Modern teacher education emphasizes competency-based training, reflective practice, and continuous professional development. The integration of educational technology, innovative assessment methods, and learner-centered pedagogies in teacher education programs enhances teachers’ ability to respond to diverse learning needs. Well-prepared teachers can create supportive learning environments that nurture students’ confidence, curiosity, and lifelong learning habits.

Conceptual Framework: 21st Century Skills and Employability

The conceptual framework proposed in this study explains the relationship between education, 21st century skills, and employability. It is a descriptive model that highlights the key components and processes involved in skill development.

5.1 Educational Input Factors

These include curriculum design, teaching-learning strategies, teacher quality, assessment practices, and the integration of technology in education.



5.2 Development of 21st Century Skills

Through effective educational inputs, learners develop critical thinking, creativity, communication, collaboration, digital literacy, and adaptability.

5.3 Mediating Factors

Experiential learning opportunities such as internships, industry collaboration, project work, and community engagement act as mediating factors that strengthen skill acquisition.

5.4 Employability Outcomes

The ultimate outcomes include enhanced employability, career readiness, job mobility, and the capacity for lifelong learning.

This framework underscores the importance of a holistic and integrated approach to education for employability enhancement.

Review of Related Literature

Several studies have emphasized the importance of 21st century skills in improving employability outcomes. Research suggests that employers consistently prioritize soft skills alongside technical competencies. Studies also highlight the role of higher education institutions in fostering employability through curriculum innovation and experiential learning. However, existing literature reveals gaps in terms of empirical evidence linking specific educational interventions to long-term employability outcomes. There is also limited research focusing on the effectiveness of teacher education programs in promoting 21st century skills.

Research Gap

Despite growing attention to skill development, several research gaps remain:

1. Limited empirical studies examining the long-term impact of 21st century skills on career sustainability.
2. Insufficient research on the effectiveness of teacher education programs in nurturing employability skills.
3. Lack of comprehensive models linking educational practices with employability outcomes.
4. Need for context-specific studies addressing regional and socio-economic disparities.

Implications and Future Research Directions

8.1 Educational Implications

Education policies should emphasize skill-oriented curricula, experiential learning, and continuous teacher development. Collaboration between educational institutions and industry should be strengthened.

8.2 Future Research Directions

Future studies may focus on empirical validation of conceptual frameworks, sector-specific skill requirements, and the role of digital learning in employability enhancement.

Conclusion

The development of 21st century skills is essential for enhancing employability in the contemporary world of work. Education, particularly higher education and teacher education, plays a transformative role in nurturing these skills. A holistic, learner-cantered, and technology-enabled education system can effectively bridge the gap between education and employment. By aligning educational practices with labour market demands, societies can prepare individuals for sustainable careers and lifelong learning in the 21st century.

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Original Article

Role of Computer Technology in Upliftment of Rural India: Agriculture Sector

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Abstract

It is high time for conventional method of farming. With the advent of technology, farming practices are also changing and use of technology is being observed in this field. Old technology is in practice but use of computer technology is latest development in this field. The paper tries to explain the concept of precision farming using Artificial Intelligence and Internet of Things. Use of sensors and its data processing and implementations are discussed. With introduction and literature review, concept of the study is presented in the paper before concluding it.

Keywords: Internet of Things, Precision Farming PF, Sensors, Agriculture, Artificial Intelligence.

Introduction

Agriculture remains the backbone of rural India and a major contributor to the national economy. However, Indian agriculture is still largely dependent on traditional farming practices, natural climatic conditions, and intensive manual labour. This dependence has resulted in inconsistent productivity, increased vulnerability to climate change, and reduced interest among the younger generation in pursuing agriculture as a profession. Consequently, many farmers are selling agricultural land for non-agricultural purposes, posing a serious threat to food security for India's growing population. In this context, computer technology plays a pivotal role in the upliftment of rural India, particularly in the agricultural sector. Precision Farming (PF) has emerged as a modern agricultural approach that integrates computer systems, information technology, and data driven decision-making to optimize crop productivity while ensuring sustainability. Precision Farming focuses on delivering the right input such as water, fertilizers, and pesticides at the right time and in the right quantity, thereby reducing waste and improving efficiency. [1] The Internet of Things (IoT) represents a significant technological advancement in agriculture by enabling real-time monitoring of soil moisture, temperature, humidity, and nutrient levels through sensor networks. These sensors, integrated with embedded systems such as Raspberry Pi and cloud-based software platforms, provide actionable insights to farmers regarding irrigation scheduling, soil management, harvesting time, and crop health. As a result, farmers are no longer required to rely solely on experience or guesswork but can make informed decisions based on accurate data. The adoption of computer technology in agriculture not only enhances productivity and profitability but also promotes environmental protection by minimizing excessive use of water and agrochemicals. [2] Thus, digital agriculture is becoming a key enabler for rural development and sustainable farming practices in India.

Literature Review

In order to increase farming product, several IOT platforms have been developed for crop monitoring, complaint forecast, and control of water consumption in irrigation. Balamurugan et.al. [2] proposed an IOT operation to control the elaboration of temperature

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and soil humidity from detector network stationed in the farming field using an IOT platform grounded on Raspberry Pi therefore scavenging the analysis and covering the data entered. Min Sheng Liao et. al. [3] has developed an IOT operation for covering environmental factors in orchid's glass house farming field. This operation integrates a system grounded on the image processing of orchid leaves allowing the follow up and analysis of lamina growth in real time. Payero et. al. [4] proposed a low cost IOT operation for covering soil humidity in a wheat field. This system is grounded on a network of detectors and an IOT platform; the ultimate displays in real time the values of soil humidity. Precision farming can significantly boost the farming product both in terms of productivity and sustainability. [5] Although productivity seems to be the driven force of every technological advance in farming, the significance of sustainability shouldn't be neglected. Sustainability emerges as a major issue throughout the scale of mortal exertion, therefore one of the aims of smart farming is the minimization of the environmental impact of the farming conditioning. The field that's considered as ancestor of smart agriculture is perfection farming. Data driven technologies in general are fast advancing with the development of the Internet of Things and may come an important part of the future of agriculture. Smart Farming, also called Agriculture 4.0 or digital agriculture, is developing beyond the ultramodern conception of perfection farming, which bases its operation practices on spatial measures largely thanks to Global Positioning System signals. [6] Smart agriculture bases its operation tasks also on spatial data but is enhanced with environment mindfulness and is actuated by real time events, perfecting the performance of heretofore perfection farming results also, Smart Farming generally incorporates intelligent services for applying and managing Information and Communication Technologies (ICT) in agriculture, and allows transverse integration throughout the whole agri-food chain in respects to food safety and traceability IOT is thus a crucial technology in smart agriculture since it ensures data inflow between detectors and other bias, making it possible to add value to the attained data by automatic processing, analysis and access, and this leads to further timely and cost-effective product and operation trouble on estates.

Conceptual Framework

The proposed system consists of three integrated modules aimed at enhancing agricultural efficiency through computer technology.

3.1 Soil Property Identification

This module employs a Wireless Sensor Network (WSN) to monitor soil characteristics, including:

- Soil moisture
- Soil pH
- Nutrient content such as Nitrogen (N), Phosphorus (P), Potassium (K), Iron (Fe), Calcium (Ca), Zinc (Zn), and Chlorine (Cl)

3.2 Crop Condition Analysis

This module integrates expert agricultural knowledge (similar to the *e-Sagu* model implemented in Andhra Pradesh and Telangana) to provide:

- Crop-specific water requirements
- Soil treatment recommendations
- Identification of crop diseases
- Dosage recommendations for fertilizers and pesticides

3.3 Automation and Robotization

This module introduces automation through:

- Drone-based crop monitoring using cameras
- Sector-wise disease detection and nutrient analysis
- Automated chemical spraying based on real-time requirements
- Satellite-guided, remote-controlled vehicles for precise input application

Following way are argued below which will guide us to apply all modules argued over.

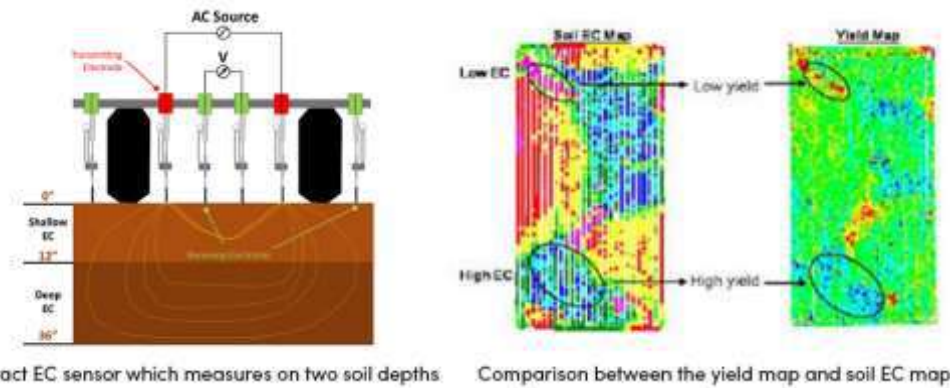
Step 1: The crop is named, with known soil type and all related data for the training data set to the proposed system.

Step 2: The field is divided into matrix with different sectors using real world equals of authorizations and longitudes. [11] Then we can take help of Google Map to get the real-world equals of the matrix field with equal size sectors.

Step 3: To get the problem in the field or related to the complaint on the crop, we can use Drone Camera so that a vid can be also converted into different prints of individual sector. These prints will help in decision making for chemical deposit depending on soil malnutrition or crop disease.

Step 4: There are possibilities that not all the shops of crop are suffering with same shortages of chemicals but can vary depending upon quality and parcels of soil in different sectors. [11] So it's needed to concentrate which chemical is demanded in what quantum for which sector to cover the soil getting overdosed or under cured.

Indeed, in case of some complaint to crop there can be no problem to numerous sectors. So the chemical spray for complaint can be as per demand.



Contact EC sensor which measures on two soil depths Comparison between the yield map and soil EC map

Methods and Procedure

The agricultural field is divided into multiple equal-sized sectors using geographical coordinates (latitude and longitude) obtained from satellite mapping tools such as Google Maps. [11] Each sector is treated as an independent unit for monitoring and analysis. Sensors are installed in the soil to collect real-time data on moisture, pH, and nutrient levels. Drone cameras capture periodic images of crop growth, which are processed to detect nutrient deficiencies and pest infestations. [7] All collected data is transmitted to a centralized server, where a Decision Support System (DSS) analyses the information and determines the exact quantity of chemicals or water required for each sector. [8] An automated chemical mixing and spraying unit mounted on a satellite-guided vehicle then applies inputs precisely, avoiding overuse or underuse of agrochemicals.

Advantages

- Prevents over fertilization and under fertilization of soil
- Reduces operational costs and chemical wastage
- Enhances crop yield and quality
- Easy to operate, requiring minimal technical expertise
- Fully automated and IoT enabled system
- Promotes sustainable and eco-friendly agriculture

Limitations

- In case of a satellite link breakdown, there would not be any customer server communication which will affect in failure of transferring the detector data to the server as well as incapability to communicate the decision taken by the server to the customer, therefore hampering the functionality of the system. [9]
- Strong solar radiation, high temperatures, high moisture, strong climate and other hazards can fluently damage or destroy detectors or end bias.
- Due to breaking down of the detectors, like reading defective values or not reading the values at each, incorrect dispatches will be transferred to the server which will affect in taking wrong opinions by the server and can affect the crop growth. [10]
- In case of attainability of proper and robust tackle factors, the system's effectiveness can be affected to a large scale as the relief of a high-quality element with a low-quality element may not give the same delicacy or effectiveness as the former one.
- Extension of the system with other types of renewable energy sources and cold-blooded energy grid to doubtful grid independence and sustainability of the system and setting the conditions for the use of the system in remote pastoral regions. [12]
- The problems of security and privacy are allowed as pivotal challenges in operations of defended farming due to real-world exemplifications of losses due to vulnerabilities, network attacks or privacy issues. [13]

Conclusion

The integration of computer technology, IoT, and automation in agriculture offers a transformative solution for the upliftment of rural India. By enabling real time monitoring, data-driven decision making, and precise resource utilization, smart agriculture systems significantly enhance productivity while ensuring sustainability. The proposed framework demonstrates scalability, platform independence, and practical applicability in real world agricultural environments. Such systems empower farmers, reduce uncertainty, and pave the way for resilient and technology driven rural development. The authors have proposed a concept of collecting the environmental conditions through the various sensors and send that data wirelessly via the RF transmitter to the sink which receives the data via the RF receiver. Connection shall be established from the sink to the web server and then the data is sent to the server from the sink using an Ethernet Shield and eventually decision is made by the server after processing the received data. This is a platform independent framework as it is a web-based framework. This framework is also scalable when deployed in



real time environment resulting in high efficiency when all the realistic design constraints are properly maintained. Based on the decision, the respective actuators get powered up to meet the crop requirements. User Interface for this system shall be built which allows the customer to register themselves and the crop they wish to grow in their field along with all the necessary crop details (Jawar or Sorghum in this case). A successful implementation of message transmission is done in which the agriculturist timely receives a message regarding the action taken in his field. The message includes the environmental conditions at that point of time in the field and thus explains the action of activation of any of the actuators in the field. The system prescribed is helpful for farmers and agro specialists in managing agro resources. Agriculture mainly depends on nature which is uncontrollable. Thus, controlling some parameters paves way of real time management and efficient utilization of available resources. These messages can be linked with IOT enabled devices that shall perform the task as needed.

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Original Article

The Backbone of Knowledge: Role of Libraries in Viksit Bharat 2047.

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Abstract

Libraries have always been the backbone of knowledge creation, preservation, and dissemination, and their role becomes even more crucial in the vision of Viksit Bharat 2047. A developed nation requires informed, skilled, and critically thinking citizens, which libraries help nurture by providing equitable access to information and learning resources. Modern libraries are no longer limited to book repositories; they function as knowledge hubs supporting digital literacy, lifelong learning, research, and innovation. By bridging the digital divide, empowering marginalized communities, and preserving cultural heritage, libraries contribute to social inclusion and intellectual growth. Initiatives such as digital libraries, e-resources, and community library programs strengthen education, governance, and democratic participation. Libraries also support sustainable development by promoting awareness, research, and informed decision-making. Thus, strengthening library systems at grassroots, academic, and national levels is essential for building a knowledge-driven society and achieving the long-term goals of Viksit Bharat 2047.

Key Words: Knowledge Society, Education, Digital Libraries, Social Inclusion, Research, Lifelong Learning, Information Access, Nation-Building Etc.

Introduction

Viksit Bharat 2047 envisions India as a knowledge-driven, inclusive, and globally competitive nation where development is rooted in informed citizenship and intellectual empowerment. Achieving this ambitious vision requires universal and equitable access to information, education, and diverse intellectual resources. In this context, libraries play a pivotal role by democratizing knowledge and ensuring that learning opportunities are available to all sections of society, regardless of socio-economic background. Libraries support formal education, independent learning, research, and innovation by providing access to books, digital resources, and information services. In the contemporary era, libraries have evolved from traditional reading spaces into dynamic digital and community hubs that promote digital literacy, critical thinking, and lifelong learning. They also serve as spaces for dialogue, creativity, and social inclusion. By strengthening educational foundations, supporting research ecosystems, and nurturing informed and skilled citizens, libraries form the intellectual backbone essential for sustainable national development and the successful realization of the goals of Viksit Bharat 2047. **Libraries as Pillars of Education**

Libraries function as vital pillars of education by supporting both formal and informal learning processes. They provide access to textbooks, reference books, journals, newspapers, and a wide range of digital resources that complement classroom teaching. By offering diverse learning materials, libraries help students deepen their understanding of



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subjects, clarify concepts, and explore topics beyond prescribed syllabi. Regular use of libraries cultivates reading habits, curiosity, and independent learning skills among learners.

School and college libraries play a crucial role in enhancing academic performance by developing research aptitude, information literacy, and critical thinking. Students learn how to locate, evaluate, and use information effectively, which is essential in higher education and research. These functions closely align with the objectives of the National Education Policy 2020, which emphasizes holistic education, experiential learning, and research-oriented study. Thus, libraries strengthen educational foundations and contribute significantly to building an informed, skilled, and knowledge-oriented society.

Libraries and Digital Literacy

In the digital age, libraries play a crucial role in promoting digital literacy and bridging the digital divide, especially in a diverse country like India. Many learners, particularly in rural and economically weaker regions, lack access to computers, the internet, and digital learning tools. Libraries address this gap by providing free or affordable access to computers, internet services, and e-learning platforms. They also guide users in developing essential digital skills such as online searching, information evaluation, and responsible use of digital resources.

Digital libraries have further expanded access to knowledge beyond physical boundaries. A notable example is the National Digital Library of India (NDLI), which offers millions of books, articles, videos, and academic resources to students and researchers across regions and languages. Such platforms support self-learning, exam preparation, and research. By enhancing digital inclusion and technological competence, libraries empower citizens to participate effectively in the knowledge economy, thereby supporting the goals of Viksit Bharat 2047.

Social Inclusion and Equal Access

Libraries play a vital role in promoting social inclusion and ensuring equal access to knowledge by serving diverse and marginalized sections of society. For first-generation learners, rural populations, women, and economically weaker communities, libraries often become the primary gateway to education and information. By providing free or low-cost access to books, digital resources, and learning spaces, libraries help reduce educational and social inequalities.

Community and village libraries are particularly important in this regard, as they bring knowledge resources closer to people who may lack access to formal educational institutions or digital technologies. These libraries support literacy, skill development, and awareness about health, rights, and government schemes. They also create safe and inclusive spaces for learning and interaction, especially for women and children. By democratizing access to information and learning opportunities, libraries strengthen social equity and empower marginalized communities, thereby contributing significantly to inclusive development and the vision of Viksit Bharat 2047.

Libraries as Knowledge and Research Hubs

Libraries function as essential knowledge and research hubs that support innovation, policy-making, and scientific advancement. Academic and research libraries provide scholars, scientists, and policymakers with access to a wide range of books, journals, databases, and digital archives necessary for advanced study and evidence-based research. These resources enable researchers to stay updated with global developments, validate findings, and generate new knowledge.

University libraries and research institutions facilitate access to international scholarly databases, peer-reviewed journals, and research tools that are critical for high-quality academic work. They also support research methodology, data management, and plagiarism awareness, thereby strengthening research integrity. By fostering a culture of inquiry, critical thinking, and collaboration, libraries contribute directly to innovation and informed decision-making. In the context of Viksit Bharat 2047, strong research libraries are indispensable for advancing science, technology, social sciences, and public policy, ensuring that national development is guided by knowledge, evidence, and intellectual rigor.

Preservation of Cultural Heritage

Libraries play a crucial role in the preservation of cultural heritage by safeguarding manuscripts, rare books, archival records, and regional literature that embody India's civilizational memory. These collections preserve historical knowledge, languages, philosophies, scientific traditions, and literary expressions passed down through generations. Without systematic preservation, many valuable texts and indigenous knowledge systems risk being lost to time, neglect, or deterioration. Manuscript libraries and archival institutions protect India's traditional knowledge systems, including texts related to Ayurveda, astronomy, mathematics, philosophy, and regional histories. By conserving, digitizing, and cataloguing these materials, libraries ensure their accessibility to scholars, students, and future generations. Preservation efforts also promote cultural continuity and national identity by connecting contemporary society with its intellectual past. In the vision of Viksit Bharat 2047, safeguarding cultural heritage through libraries strengthens cultural confidence, supports research, and ensures that development remains rooted in historical awareness and traditional wisdom while moving toward modern progress.

Libraries and Democratic Participation



Libraries play a vital role in strengthening democratic participation by ensuring citizens have free and equitable access to information. Democracy thrives when people are informed about their rights, duties, laws, and public policies. Libraries serve as neutral spaces where individuals can access authentic and reliable information, helping them make informed decisions and actively engage in civic life.

Public libraries, in particular, provide access to government documents, legal information, policy reports, electoral details, and public awareness materials. They also support information literacy by helping users evaluate sources critically and avoid misinformation. Through newspapers, digital portals, and reference services, libraries keep citizens updated on social, political, and developmental issues. Informed citizens are better equipped to participate in discussions, demand accountability, and contribute constructively to governance. By promoting transparency, awareness, and informed dialogue, libraries strengthen democratic values and empower people to participate meaningfully in nation-building, which is central to the vision of Viksit Bharat 2047.

Libraries and Lifelong Learning

Libraries play a significant role in promoting lifelong learning by supporting continuous education beyond formal schooling and higher education. Learning is no longer confined to classrooms or specific stages of life; instead, it has become a lifelong process driven by changing social, economic, and technological demands. Libraries provide inclusive and flexible learning environments where individuals of all ages can access knowledge, update skills, and pursue personal interests at their own pace. Through skill development programs, libraries help learners acquire practical abilities such as digital skills, language proficiency, vocational competencies, and information literacy. Reading clubs and discussion forums organized by libraries encourage intellectual engagement, critical thinking, and a culture of reading within communities. Additionally, many libraries now host or facilitate access to online courses, webinars, and open educational resources, enabling users to learn independently and adapt to evolving career requirements.

By offering opportunities for self-improvement and intellectual growth, libraries empower citizens to remain relevant, informed, and confident throughout their lives. In the context of Viksit Bharat 2047, libraries as lifelong learning centers strengthen human capital, promote social mobility, and support a dynamic, knowledge-driven society prepared to face future challenges.

Libraries in Sustainable Development

Libraries play an important role in promoting sustainable development by creating awareness about environmental, health, and social issues and enabling informed community action. Sustainable development requires citizens who are knowledgeable about challenges such as climate change, resource depletion, public health, and social inequality. Libraries support this need by providing reliable information, research materials, and educational resources that help individuals understand complex sustainability issues.

Through books, journals, digital databases, documentaries, and online resources, libraries disseminate information on climate change, renewable energy, biodiversity conservation, waste management, and sustainable lifestyles. Many libraries also organize awareness programs, exhibitions, reading sessions, and community discussions on environmental protection and health issues. Access to accurate information empowers citizens to adopt responsible practices such as water conservation, energy efficiency, and eco-friendly consumption.

Libraries further support policymakers, researchers, and students by offering access to global studies and reports related to sustainable development goals (SDGs). At the community level, informed citizens can participate more effectively in local environmental initiatives and social development programs. In the vision of Viksit Bharat 2047, libraries thus act as knowledge facilitators that link information with action, ensuring that economic and social progress is balanced with environmental responsibility and long-term sustainability.

Conclusion

Libraries are indispensable to the realization of Viksit Bharat 2047, as they constitute the backbone of a knowledge-based, inclusive, and democratic society. In an era where information is a key driver of development, libraries ensure equitable access to knowledge and learning resources for all sections of society, irrespective of socio-economic background. By providing access to books, digital platforms, and information services, libraries empower citizens with education, digital literacy, and critical thinking skills essential for informed decision-making and active participation in national life. Libraries play a multifaceted role by supporting formal education, academic research, innovation, and lifelong learning. They bridge social and digital divides by serving first-generation learners, rural populations, women, and marginalized communities, thereby promoting social equity. Libraries also preserve cultural heritage by safeguarding manuscripts, rare texts, and regional literature, ensuring continuity of India's intellectual and cultural legacy. Furthermore, by offering access to government information, laws, and public awareness materials, libraries strengthen democratic values and informed citizenship.

In the context of rapid technological change, libraries are evolving from static repositories into dynamic knowledge hubs, community learning centers, and digital access points. Therefore, sustained investment in library infrastructure, digital resources, trained professionals, and community outreach is a strategic necessity rather than a luxury. A robust library ecosystem nurtures informed, skilled, ethical, and socially responsible citizens. Ultimately, libraries are not



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merely supportive institutions but central pillars in building a confident, knowledge-rich, and globally competitive India aligned with the long-term vision of Viksit Bharat 2047.

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Original Article

Satire in Indian Higher Education: A Critical Study of the Select Poems

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The present article aims at the satire in select poems from Songs of Soul and soil. Instead of celebrating campuses as ideal spaces of learning, many poets expose their inner contradictions. This research article examines four poems Confession of a Principal, Intellectuals in Education, CAP (Central Assessment Programme), and My Favourite Teacher which portray the lived experience of Indian colleges through satire and confession. These poems reveal administrative incompetence, staff-room politics, unethical evaluation practices, and the decline of academic commitment. At the same time, My Favourite Teacher offers a positive counter-image of a devoted and principled educator. Using a qualitative textual method, this paper analysis's themes, narrative voice, poetic techniques, and social implications. It argues that these poems function not only as literary works but also as cultural testimonies that question the moral foundations of higher education in India. The poet tries to expose the pompousness in modern education and how the education has become business.

Keywords: Indian English poetry, confessional satire, higher education, academic ethics, institutional critique, moral corruption in education.

Introduction

Education is foundation of the development of any society. Many thinkers and educationist often express worry over the malpractices going on in education. Literature has long served as a lens through which society examines itself. Writers frequently respond to political, cultural, and institutional developments, exposing contradictions that remain hidden in everyday life. In the Indian context, higher education occupies a crucial position because it shapes both individual careers and national progress. Ideally, colleges and universities are meant to cultivate intellect, discipline, creativity, and social responsibility. In practice, however, these spaces often struggle with bureaucratic apathy, corruption, factionalism, and weakening academic standards. The candidate has selected the following poems for analysis. *Confession of a Principal, Intellectuals in Education, CAP (Central Assessment Programme), and My Favourite Teacher* present a sharply realistic picture of Indian academic life. The speakers in these poems are insiders who confess their own limitations while exposing systemic failures. Instead of moral sermons, the poet uses irony, humour, and parody to highlight uncomfortable truths. This present article tries to point out how the confessional mode becomes an effective literary strategy to criticize institutional decay and, at the same time, to imagine an ethical alternative through the figure of an ideal teacher. The discussion also focuses on language, form, imagery, and the wider social relevance of these poetic representations.

Confession and Satire as Poetic Strategies

Confessional poetry is often associated with the revelation of private emotions and personal struggles.



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In these poems, however, confession extends beyond individual psychology to include professional and institutional experience. The speaker represents the collective conscience of the academic world. By admitting guilt, negligence, and compromise, the poet destabilizes the conventional image of educators as morally superior figures. Satire plays a central role in these poems. Rather than offering direct criticism, the poet employs mockery, exaggeration, and irony. The humorous surface hides a serious concern. Laughter becomes a method of resistance, allowing readers to recognize the gap between the ideals of education and its actual practices. The confessional voice therefore works on two levels: it exposes personal failure and simultaneously indicts the system that produces such behaviour. This dual movement gives the poems their emotional and intellectual force.

Administrative Failure in *Confession of a Principal*

"Hey! I am a principal of a college big Also a member of Principal's League Arts, Com., Sci. are the three faculties But hey! I don't face much difficulties" (Patil 64) These opening lines immediately establish the ironic tone of the poem. The speaker presents himself as proud of position but detached from responsibility, suggesting how authority in education often lacks intellectual seriousness. The poem *Confession of a Principal* constructs a strikingly ironic portrait of academic leadership. Traditionally, a principal symbolizes responsibility, scholarship, and institutional vision. In contrast, the speaker in the poem openly acknowledges his incompetence and indifference. Although the college includes Arts, Commerce, and Science faculties, the principal claims he faces no challenges because he avoids meaningful engagement. He admits being hostile to knowledge and even afraid of books, a confession that overturns expectations about academic authority. Instead of guiding teachers and students, he wastes time on trivial tasks and cultivates the chairman's favour while humiliating subordinates. Teaching and research do not interest him. He prefers leisure activities and external appearances over intellectual labour. His obsession with polished clothing symbolizes a concern for image rather than substance. Whether teachers actually teach or students genuinely learn remains irrelevant to him. Promotion is promised without regard to merit, reflecting a breakdown in academic accountability. The poem further criticises the principal's disregard for accreditation, research culture, and institutional development. He waits only for financial grants and dreams unrealistically of becoming a Vice-Chancellor. Ironically, he confesses that his real capacity suits a minor clerical role rather than leadership. Through this self-revelation, the poem satirizes the crisis of governance in higher education.

Staff-Room Politics in *Intellectuals in Education*

"PhDs, NET, SET, thinkers and writers Many of them are staff room fighters Some suave sycophants, some bitters" (Patil 120) Here the poet contrasts scholarly qualifications with unethical behaviour. The stanza depends the satire by showing how intellectual capital is wasted in personal rivalries rather than academic production. While the first poem targets administration, *Intellectuals in Education* focuses on teachers themselves. Educators are expected to be scholars, mentors, and ethical models. The poem, however, exposes the tension between professional ideals and everyday behaviour. Although many teachers hold advanced degrees and professional qualifications, their energy is often spent on staff-room conflicts instead of academic pursuits. Sycophancy, rivalry, and backbiting replace research and teaching enthusiasm. Attendance at seminars and conferences becomes rare, while institutional politics dominates daily life. Caste and ideological divisions further fragment the academic environment. Instead of functioning as a unified intellectual community, teachers form rival groups. Administrators often observe these conflicts passively, using them for personal advantage rather than resolution. The poem also demonstrates how private life intrudes into professional space. Neighbourhood quarrels, family rivalries, and social jealousy enter the campus atmosphere, transforming colleges into arenas of personal hostility. The narrator's final admission acknowledging his own participation adds ethical complexity. The poem does not merely accuse others; it recognizes collective responsibility for institutional decline.

Crisis of Evaluation in *CAP (Central Assessment Programme)*

"The history teacher examines geography papers Anyone with any subject subjectively tampers" (Patil 56) This reference exposes the mechanical nature of evaluation. The stanza reflects how specialization collapses, and students' futures become dependent on careless authority. Assessment is one of the most sensitive aspects of higher education because students' futures depend on it. The poem *CAP* exposes how this crucial responsibility is frequently treated as a mechanical or financial exercise rather than a moral duty. Some teachers avoid evaluation work using excuses, while others attend primarily for monetary benefit. The coordinator, burdened with responsibility, struggles to manage overwhelming quantities of papers with limited staff. As a result, carelessness becomes inevitable. Subject specialization is ignored when teachers check papers unrelated to their disciplines. Some examiners work sincerely, but many skim pages, chat, or smoke instead of concentrating. The personification of answer sheets that "suffer" under negligence highlights the injustice embedded in the process. When inspections occur, examiners suddenly perform sincerity, exposing institutional hypocrisy. The outcome is paradoxical: deserving students fail while irregular ones succeed. The poet's confession of his own involvement reinforces the poem's moral seriousness. It suggests that corruption survives not because of a few individuals but because many silently participate.



The Ethical Ideal in *My Favourite Teacher*

"Swaggering walk a baritone voice Classroom hypnotized periods nice" (Patil 150) The stanza highlights the magnetic personality of Dr. Dutta. Unlike other figures in the poems, he embodies authority combined with inspiration and discipline. In contrast to the satirical tone of the earlier poems, *My Favourite Teacher* offers a constructive vision of education through the character of Dr. Dutta. He represents discipline, scholarship, and moral courage.

Dr. Dutta's physical presence, logical clarity, and commanding voice transform the classroom into a space of attention and respect. His teaching style engages students intellectually and emotionally. While colleagues may label him authoritarian, the narrator reveals his hidden compassion for both weak and talented learners. His devotion extends beyond routine duties. As a voracious reader and fearless speaker, he challenges injustice and inspires confidence. Beneath his strict exterior lies humour and warmth. Meetings with him end in laughter, demonstrating the balance between authority and humanity. By presenting Dr. Dutta alongside corrupt administrators and careless teachers, the poet asserts that reform is possible. Ethical individuals can still preserve the dignity of education.

Language, Form, and Literary Devices

The poems use direct, conversational diction mixed with irony. This simplicity enhances realism and accessibility. Humour operates as a critical weapon rather than mere entertainment. Formally, the poems rely on couplets and triplets with consistent rhyme schemes. The musical structure contrasts with the seriousness of content, intensifying satire. Alliteration strengthens rhythm and emphasis, while personification and metaphor enrich imagery. The confessional narrative voice creates immediacy. Readers encounter not abstract arguments but lived experience articulated from within the institution. This stylistic choice depends both emotional and intellectual impact.

Present day Relevance

These poems function as cultural records of Indian academic life. They reveal how commercialization, politics, ego, and negligence weaken educational foundations. Infrastructure and funding alone cannot guarantee quality without ethical commitment. In a period where higher education increasingly resembles a market, such poetic critiques remind readers of forgotten responsibilities. The satire warns against complacency, while the image of Dr. Dutta suggests a model for renewal through integrity and discipline.

Conclusion

The four poems present a comprehensive critique of Indian higher education through confessional satire. *Confession of a Principal* expose's leadership failure, *Intellectuals in Education* reveals staff-room factionalism, *CAP* uncovers assessment malpractice, and *My Favourite Teacher* restores faith through an ethical exemplar. The confessional approach intensifies authenticity, and satire sharpens institutional criticism. The poet speaks not only as an observer but also as a participant, making the critique morally complex and socially relevant. Ultimately, these poems serve as both literature and intervention. They encourage introspection among educators and administrators and call for reform grounded in honesty, responsibility, and intellectual commitment.

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Original Article

Sustainable Resource Management: Water, Waste & Energy

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Sustainable resource management in business is essential for addressing the increasing demand for raw materials and energy, as well as the escalating pollution of soil, air, water, waste & energy resources. This approach focuses on the wise use and conservation of resources to meet current needs without compromising future generations' ability to meet their own. Principles include reducing resource use, reusing materials, recycling waste, and prioritizing renewable resources. Examples of sustainable resources are solar, wind, and hydropower, which are renewable and managed responsibly. The benefits of sustainable resource management for businesses include enhanced reputation, increased business opportunities, cost savings, and waste reduction. Implementing sustainable practices can lead to significant cost savings, improved brand image, compliance with regulations, resource security, and innovation. Strategies for businesses include energy efficiency, water conservation, sustainable material sourcing, waste reduction, and sustainable supply chain management. Employee engagement and stakeholder transparency are also crucial. Sustainable resource management involves integrating digital technologies and data analytics for real-time monitoring and optimization. Industry-specific applications vary, with manufacturing focusing on advanced robotics and AI, agriculture on IoT sensors, and energy and utilities on smart meters and renewable energy. This holistic approach not only ensures sustainability but also promotes cost savings and operational excellence. By adopting these principles and strategies, businesses can minimize their environmental impact, enhance their reputation, reduce costs, and create long-term value for stakeholders.

Introduction

Sustainable resource management in business is all about using resources wisely and minimizing environmental impact. It's a win-win situation, benefiting both the company and the planet. Sustainable resource management involves using and managing natural resources in a way that meets current needs without compromising the ability of future generations to meet their own needs. It integrates economic, environmental, and social considerations to ensure resources are used efficiently and responsibly. The term sustainable resources management refers to developing and implementing methods and solutions for using and protecting resources such as water, energy and raw materials as well as treating waste-streams and -waters.



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The demand for raw materials and energy is increasing worldwide causing scarcities and increases in the volatility of prices of raw materials since many resources remain insufficiently renewable. Additionally, the progressive pollution of soil, air and water resources with harmful emissions is threatening a sustainable development in many parts of the world. The "Sustainable resources management" working group analyses and addresses such challenges. It helps develop environmentally and socially compatible resources and waste management methods, encourages the sustainable use of water resources through a comprehensive water and drainage basin management, and develops strategies to avoid waste streams or to reuse/recycle material flows and energy using cleaner production (CP) and industrial symbiosis (IS) approaches. Our collaborative work with Swiss and foreign partners as part of national and international cooperations has proven to be instrumental to find regionally adapted and accepted solutions.

Principles of Sustainable Resource Management

- 1. Reduce:** Minimize the number of resources you use. This can be done through efficiency measures, using less material in products, and adopting reusable items.
- 2. Reuse:** Find ways to use things again before throwing them away. This could involve repairing broken items, refilling containers, or donating unwanted goods.
- 3. Recycle:** Process used materials into new products. Recycling reduces the need to extract virgin resources and helps conserve the environment.
- 4. Renew:** Prioritize the use of renewable resources like solar, wind, and geothermal energy. These resources are naturally replenished and have a lower environmental impact compared to fossil fuels.

Sustainable Resources Examples

Sustainable resources are classified as natural resources that are renewable and can be replenished at the same rate, or faster than they are being consumed.

For a natural resource to be sustainable, it must be:

- Renewable
- Managed responsibly

Examples of sustainable resources include hydropower, solar power and wind power, to name a few.

Solar power, for example, is classed as a sustainable resource because the sun's energy can be captured without the depletion of the sun itself. Similarly, wind power is another sustainable resource because it can't be depleted and can be harnessed through the use of wind turbines. It's important to note that not every renewable natural resource is always sustainable or better for the environment. For example, Biofuel is a unique form of renewable energy, as its consumption emits climate-affecting greenhouse gases, and growing the original plant product uses up other environmental resources therefore it is not better for the environment or fully sustainable in its current guise. That said, it remains a major part of the green revolution.

►Benefits of Sustainable Resource Management

Ensuring that the energy your organization is consuming is renewable and managed responsibly, as well as making sure that it follows the correct environmental laws, offers many benefits for your business and beyond.

- 1. Better Reputation:** Practising sustainable resource management lets your clients and consumers know that you are taking significant steps to make a positive environmental impact. It allows them to be confident that your organisation is putting the planet first, and is willing to invest time and resources into becoming sustainable. Comparing your sustainable organisation to other organisations that have not yet made the investment to become more environmentally friendly allows you to have an edge over competitors. People can see your organisation has a clear understanding of how it affects the environment and is implementing ways to lessen its impact, which can make both old and new consumers want to follow and support you in your environmental journey.
- 2. Acquire More Business:** It also allows consumers to have trust in your organisation to uphold environmental standards, for you and them. With the knowledge that you are considering your organisation's impact on the environment, it can open up more opportunities for business for you. It will allow your organisation to be more appealing to potential clientele, as it reassures them that they are supporting an organisation that is doing its part in keeping the future sustainable. Showing them that you have sustainability at the forefront of your business, it allows those with similar standards to work with you, rather than a competitor who may not hold the same environmentally friendly standards.
- 3. Cost-Effective:** Using renewable resources can also help you to save money in the long run. By installing your own forms of renewable energy, like solar panels or wind turbines, on your organisation's premises, it can then be used to power your own energy, directly contributing to reducing your energy output. You are the one in control of how much you want to invest in renewable energy, and depending on the size of that investment depends on the energy return from it.
- 4. Less Waste:** Sometimes, starting off small can help set the ball rolling when it comes to being sustainable. As your organisation begins to implement large-scale renewable energy, making smaller changes like designated recycling bins,



the cycle to work scheme and trying to make the most out of materials used can help to show that you are just as environmentally conscious on a smaller scale.

As mentioned above, being cost-effective, such as using energy-efficient light bulbs and turning off the lights when you leave a room can also make an impact on reducing your energy consumption.

It also means that you are considering your organisation's impact on the environment outside of just renewable energy. By taking an active role towards recycling, reducing your own carbon footprint and being as environmentally friendly as you can, it reinforces the sustainability standards your organisation has set out to achieve.

Here's a breakdown of why and how businesses can implement sustainable practices: Why go green?

- **Cost Savings:** Reducing resource use through efficiency measures like switching to LED lights or using recycled materials can lead to significant cost savings on energy and raw materials.
- **Enhanced Reputation:** Consumers are increasingly drawn to companies with strong environmental practices. Sustainable management can boost brand image and attract eco-conscious customers.
- **Compliance with Regulations:** Environmental regulations are becoming stricter. Proactive businesses that adopt sustainable practices are better prepared to meet future regulations.
- **Improved Resource Security:** By reducing dependence on finite resources, companies are less vulnerable to price fluctuations and supply chain disruptions.
- **Innovation:** Sustainable practices often lead to new product development and innovative solutions, giving businesses a competitive edge.

Implementation of Sustainable Resource Management

Here are some key strategies businesses can adopt:

1. **Energy Efficiency:** Invest in energy-efficient equipment, utilize renewable energy sources like solar or wind power, and implement practices like turning off lights and electronics when not in use.
2. **Water Conservation:** Fix leaks, install low-flow fixtures, and explore water recycling options.
3. **Material Sourcing:** Use recycled or sustainably sourced materials whenever possible.
4. **Waste Reduction:** Implement the "Reduce, Reuse, Recycle" hierarchy in your operations. Minimize waste generation, find ways to reuse materials, and establish a robust recycling program.
5. **Sustainable Supply Chain:** Partner with suppliers who themselves have sustainable practices to ensure responsible sourcing throughout the entire chain.
6. **Employee Engagement:** Educate and empower employees on sustainable practices within the company. Encourage their participation in green initiatives.

Examples of Sustainable Practices in Business

- A clothing company using organic cotton and recycled polyester.
- A restaurant composting food scraps and using energy-efficient appliances.
- An office implementing a paperless workflow and using recycled paper products.

Sustainable resource management is a continuous process. Businesses that make a commitment to it can create a positive impact on the environment, improve their bottom line, and build a strong reputation for the future.

Implementing sustainable practices in resource management is crucial for the long-term viability of businesses and the environment. By adopting tools and modules based on big data analytics, organizations can gain valuable insights into resource usage patterns, identify areas of inefficiency, and make informed decisions to improve resource management. Incorporating real-time analytics and IoT for monitoring and data collection, companies can further enhance resource management practices. This holistic approach to resource management not only ensures sustainability but also promotes cost savings and operational excellence.

Some steps we can take to make resource management more sustainable include:

- Implementing energy-efficient technologies and practices, such as using renewable energy sources and optimizing energy consumption across operations.
- Adopting circular economy principles, such as reducing waste, reusing materials, and promoting recycling.
- Integrating smart meters and energy management systems to track and optimize energy usage.
- Promoting water conservation strategies, such as implementing smart irrigation systems and efficient water management practices.

Investing in research and development to find innovative solutions for resource management, such as developing new materials with reduced environmental impact or implementing advanced technologies for waste recycling and treatment. In the pursuit of implementing sustainable practices for resource management, it is essential to delve deeper into the integration of these strategies within different industries. The application of digital transformation and data analytics in resource management varies across sectors and presents unique challenges and opportunities.



Industry-specific Implementation of Sustainable Resource Management

1. Manufacturing Sector: In the manufacturing sector, the integration of digital technologies such as Internet of Things and data analytics plays a crucial role in optimizing resource utilization. By implementing advanced robotics and artificial intelligence, organizations can automate production processes, leading to reduced energy consumption and minimized material waste. Moreover, the utilization of IoT sensors in manufacturing facilities enables real-time monitoring of energy usage and production efficiency, facilitating proactive adjustments to resource allocation.

3. Agriculture and Farming: In the agricultural domain, the incorporation of IoT sensors and data analytics tools revolutionizes resource management practices. Real-time monitoring of soil moisture levels, weather conditions, and crop health empowers farmers to make informed decisions regarding irrigation, fertilization, and pest control. This not only leads to efficient water usage and reduced chemical applications but also contributes to improved crop yields and sustainability in agricultural practices.

3. Energy and Utilities: For energy and utility companies, the focus on sustainable resource management involves the deployment of smart meters and energy management systems. These technologies enable real-time tracking and optimization of energy usage, contributing to efficient operational practices and reduced environmental impact. Additionally, the integration of renewable energy sources and advanced energy-efficient technologies further reinforces the commitment to sustainable resource management.

Sustainable resource management in business involves the strategic use and conservation of resources to ensure long-term environmental, social, and economic sustainability. This approach integrates principles of sustainability into business operations, decision-making, and strategies to minimize environmental impact, promote social well-being, and ensure economic viability. Here are some key aspects of sustainable resource management in business:

Resource Efficiency

- **Energy Efficiency:** Implementing measures to reduce energy consumption, such as using energy-efficient technologies and practices.
- **Water Conservation:** Optimizing water use and recycling water to minimize waste.
- **Material Efficiency:** Reducing material waste through recycling, reusing materials, and optimizing production processes.
- **Renewable Resources**
- **Renewable Energy:** Investing in renewable energy sources such as solar, wind, and hydro power to reduce reliance on fossil fuels.
- **Sustainable Sourcing:** Using raw materials from sustainable sources, such as certified wood, organic cotton, or sustainably harvested seafood.
- **Waste Management**
- **Reduce, Reuse, Recycle:** Implementing the three Rs to minimize waste and promote circular economy practices.
- **Waste-to-Energy:** Converting waste into energy through processes like incineration or anaerobic digestion.
- **Sustainable Supply Chain**
- **Ethical Sourcing:** Ensuring that suppliers adhere to ethical and sustainable practices.



- **Supply Chain Transparency:** Monitoring and reporting on supply chain practices to ensure sustainability.
- **Corporate Social Responsibility (CSR)**
- **Community Engagement:** Supporting local communities and contributing to social development.
- **Employee Well-Being:** Promoting fair labour practices, health, and safety in the workplace.
- **Environmental Impact Assessment**
- **Life Cycle Assessment (LCA):** Evaluating the environmental impacts of products or services throughout their life cycle.
- **Environmental Management Systems (EMS):** Implementing systems like ISO 14001 to manage and reduce environmental impacts.
- **Innovation and Technology**
- **Green Technologies:** Investing in technologies that reduce environmental impact, such as electric vehicles and sustainable packaging.
- **Digitalization:** Using digital tools to optimize resource use and improve efficiency.
- **Policy and Regulation Compliance**
- **Adhering to Environmental Regulations:** Ensuring compliance with local, national, and international environmental laws and regulations.
- **Voluntary Standards:** Participating in voluntary sustainability standards and certifications, such as LEED, Fair Trade, or B Corp.
- **Stakeholder Engagement**
- **Transparency and Reporting:** Regularly reporting on sustainability performance and engaging with stakeholders, including customers, employees, investors, and communities.
- **Sustainability Goals:** Setting and publicly committing to sustainability goals and targets.

By integrating these principles, businesses can not only reduce their environmental footprint but also enhance their reputation, reduce costs, and create long-term value for stakeholders.

Conclusion

Sustainable resource management is not just an environmental imperative but also a strategic business approach that promotes long-term economic and social benefits. Businesses that commit to these practices play a critical role in fostering a sustainable future, minimizing their environmental footprint, enhancing operational excellence, and creating lasting value for stakeholders. By embracing sustainability, businesses can secure their viability and contribute positively to the planet and society.

Sustainable resource management in business is indispensable for addressing the escalating global demand for raw materials and energy, while also mitigating environmental pollution. This practice is pivotal in ensuring that current needs are met without compromising the ability of future generations to meet their own, integrating economic, environmental, and social considerations to use resources efficiently and responsibly.

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Original Article

The Role of Accounting Reforms and Financial Transparency in Achieving the Vision of Viksit Bharat @ 2047

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Abstract

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This paper examines how accounting reforms and enhanced financial transparency can contribute to achieving the government's long-term strategic goal of Viksit Bharat by 2047. The study explores the evolution of accounting reforms, the importance of financial transparency in public and private sectors, and how these elements influence governance, accountability, economic growth, and investor confidence. Using secondary data from government policies, professional bodies, and empirical studies, it highlights gaps in current practices and recommends reforms to strengthen financial reporting, governance standards, and transparency mechanisms. The findings suggest that effective accounting reforms and commitment to transparency can significantly bolster economic development and ethical governance required for Viksit Bharat.

Keywords: Accounting reforms, financial transparency, governance, Viksit Bharat, financial reporting, economic development

Introduction

India's development agenda aspires for a strong, inclusive, and globally competitive economy by 2047 — the centenary of its independence. The Vision of *Viksit Bharat* emphasizes sustainable growth, robust institutions, ethical governance, and equitable opportunities. One of the fundamental pillars of this vision is **financial transparency** ensuring that public and private entities disclose accurate, consistent, and timely financial information. Accounting reforms play a critical role in shaping financial reporting frameworks that support transparency and accountability. Accounting systems and standards determine how financial data is recorded, analyzed, and reported. With globalization, digital transformation, and economic competition rising, traditional accounting practices have become inadequate. Modern reforms emphasize global standards, digital reporting, audit quality, and ethical disclosures to support efficient governance and economic progress.

This paper examines the evolution of accounting reforms in India, the importance of financial transparency, and how these elements together contribute to achieving the Vision of *Viksit Bharat @ 2047*.

Review of Literature & Research Gap

Accounting reforms and financial transparency have been widely discussed in academic and policy-oriented literature as key drivers of good governance and economic development.

Albrecht and Sack (2000) emphasized that modern economies require continuous reforms in accounting practices to ensure transparency, accountability, and reliability in financial reporting. Their study highlighted the need for accounting systems that support informed decision-making and ethical governance. **The International Federation of Accountants (IFAC, 2015)** stressed that financial transparency is fundamental for building stakeholder trust and strengthening public and corporate governance.

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According to IFAC, transparent accounting frameworks reduce information asymmetry and promote responsible financial management.

Jackling and De Lange (2009) examined the alignment between accounting practices and employer expectations and concluded that reforms in accounting standards and reporting improve financial credibility and governance outcomes.

Pan and Seow (2016) highlighted the role of digital transformation in accounting, noting that technology-driven accounting systems enhance accuracy, timeliness, and transparency of financial reporting.

Tiron-Tudor and Herghiligiu (2019) found that convergence with international accounting standards and adoption of digital tools significantly improve financial transparency and institutional accountability.

Indian policy documents, including the National Education Policy (2020) and accounting reforms introduced by ICAI, emphasize strengthening accounting standards, ethical practices, and transparency to support sustainable economic growth.

Overall, the literature confirms that accounting reforms and financial transparency contribute positively to governance quality, investor confidence, and economic development.

Research Gap

Despite extensive literature on accounting reforms and financial transparency, the following research gaps are identified:

- Most existing studies analyze accounting reforms and financial transparency independently, with limited integrated analysis linking both concepts to India's long-term development vision of Viksit Bharat @ 2047.
- The majority of research focuses on short-term institutional or corporate outcomes, while long-term nation-building objectives receive limited attention.
- There is insufficient India-specific research connecting accounting reforms and transparency to inclusive growth, ethical governance, and sustainable development goals.
- Limited studies provide policy-oriented recommendations aligned with Vision 2047 and future economic challenges.

This study attempts to bridge these gaps by offering a comprehensive, future-oriented analysis of accounting reforms and financial transparency in the context of India's development vision.

Objectives of Study

- To study the role of accounting reforms in improving financial reporting and governance.
- To examine the impact of financial transparency on reducing corruption and building trust.
- To explore technology's role in enhancing accounting accuracy.
- To suggest strategies for achieving Viksit Bharat @2047 through reforms and transparency.

Research Methodology

Research Design

The study follows a **descriptive and analytical research design**:

Descriptive research: To describe the current status of accounting reforms and financial transparency in India.

Analytical research: To examine the impact of these reforms on governance, investment, and economic growth.

This design is appropriate because it allows the collection and evaluation of both quantitative and qualitative data to understand the effectiveness of reforms.

Sources of Data

Secondary Data

Government Reports: Economic Survey, RBI Annual Reports, Union Budget, Ministry of Finance publications.

Accounting Standards: ICAI publications, Ind AS guidelines, IFRS convergence reports.

Policy Documents: Public Financial Management System (PFMS), e-Governance initiatives, Digital India reports.

Academic Literature: Journals, research papers, and case studies on accounting reforms, financial transparency, and governance.

International References: World Bank, IMF, OECD reports on best practices in accounting and transparency.

Limitations

- Restricted access to confidential financial data.
- Rapidly evolving policies and technologies may affect findings.

Secondary Data

PFMS Fund Transfers (Indicator of Financial Transparency)

According to the Comptroller & Auditor General (CAG) of India report, funds transferred directly to State Implementing Agencies (SIAs) via the PFMS (outside traditional state budgets) have steadily increased — an important measure of real-time digital reporting and transparent fund flows:



Financial Year	Funds Transferred Directly to SIAs (₹ crore)
2019-20	690.35
2020-21	836.40
2021-22	1,048.26
2022-23	1,084.29
2023-24	1,171.40

Trend: Increase from ₹690 crore in 2019-20 to ₹1,171 crore in 2023-24 shows improved capacity for transparent direct transfers through digital financial systems.

Government Revenue Receipts

From official Union Budget data, revenue receipts reflect overall government income and how well tax and non-tax revenues are managed a key part of transparent fiscal reporting:

Financial Year	Total Revenue Receipts (₹ crore)
2019-20	16,84,059
2020-21	16,33,919
2021-22	21,69,906
2022-23	23,83,207
2023-24	27,29,036

Trend: Growth in revenue receipts reflects improved tax collection and reporting — a positive sign of financial transparency and accounting discipline.

Revenue & Fiscal Deficit (% of GDP)

While not always fully audited for all years in one table, official sources confirm efforts towards fiscal consolidation (a key facet of financial transparency and accountability) after pandemic induced deficits, with fiscal deficit targets being gradually reduced:

Financial Year	Fiscal Deficit (% of GDP)
2019-20	4.6%
2020-21	9.5%
2021-22	6.8%
2022-23	Targeted lower than 2021-22
2023-24	Continued reduction trend

Trend: After COVID, the fiscal deficit widened, but there has been a policy push for consolidation — consistent with Fiscal Responsibility and Budget Management (FRBM) objectives and transparent reporting of fiscal performance.

Central Budget Receipts & Expenditure Patterns

Item (₹ crore)	2021-22 RE	2022-23 RE	2023-24 BE
Total Receipts (excl. borrowings)	25,00,000	24,32,000	27,16,281
Transfer to States	17,11,000	17,11,000	18,62,874
Capital Expenditure	Growth (~37.4%)	Increasing trend	10,00,961

Trend: Rising capital expenditure & growing transfers to states, transparently reported, indicates enhanced accountability in budget execution.

Corruption Perceptions

Although not direct financial figures, Transparency International's Corruption Perceptions Index provides insight into perceived government transparency: India's rank moved around 93–96 out of 180 countries in recent reports, with scores indicating gradual improvement needs in transparency practices

Suggestion and Solution

To achieve the vision of Viksit Bharat @ 2047, the study emphasizes strengthening digital accounting and reporting systems to ensure real-time, accurate, and transparent financial data across public and private sectors. Uniform adoption



of Ind AS and globally aligned standards is essential to enhance consistency, credibility, and investor confidence. Continuous capacity building of accounting and finance professionals will support effective use of technology and ethical reporting. Further, improved fiscal transparency, stronger audit and regulatory oversight, and greater public disclosure and citizen engagement will enhance accountability, public trust, and inclusive economic growth.

Conclusion

The study concludes that accounting reforms and financial transparency are crucial pillars for achieving the vision of Viksit Bharat @ 2047. The analysis of recent years highlights that digital accounting systems, improved fiscal reporting, and transparent governance mechanisms have strengthened accountability and financial discipline in India. However, sustained progress requires uniform adoption of accounting standards, continuous capacity building, enhanced audit oversight, and greater public disclosure. By reinforcing these measures, India can promote good governance, attract investment, reduce financial irregularities, and ensure sustainable and inclusive economic growth in its journey toward becoming a developed nation by 2047.

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Original Article

Theme of Gender Equality in the novels of Anita Rau Badami: A critical study

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Women's writing is the most dynamic channel of modernism and feministic approach in 20th century. The life of woman is marginalized in the patriarchal society. This paper highlights the emotions and ideologies of women. It examines the life of Saroja, the protagonist (female) in Tamarind Mem and Nirmala, a traditional Indian Brahmin woman, and her experiences of survival. Badami effectively portrays Nirmala's life as a woman striving for freedom, not for her, but for the sake of future generations. Initially Badami's heroines live the life under the control of patriarchy, but later on they survive for their freedom and live according to their wishes.

Keywords: gender, equality, feminine, survival, and freedom.

Introduction

Gender encompasses the various social, psychological, cultural, and behavioral characteristics associated with being a man (or boy), woman (or girl), or identifying as a third gender. It is viewed as "an understanding of the term gender in all its ramifications and its enforcement through the patriarchal machinery will facilitate an understanding of gendered consciousness and its possible supervision for self-affirmation" (Poornima 83). Gender is man-made concept. It is not biological. It is constructed by society. The perspectives of gender are changes with race, class and ethnicity of people and society. The social history of India indicates that women have been regarded as having a secondary status. The discrimination begins at home when child born. The people are curious to know whether the new born child is baby boy or baby girl. Most of the baby girls are killed before their birth. UNICEF defines gender equality as "The concept that women and men, girls and boys have equal conditions, treatment and opportunities for realizing their full potential, human rights and dignity, and for contributing to (and benefitting from) economic, social, cultural and political development". It means everyone has right of equality whether it is male or female. The literature has the power of reformation and enlightenment in the society. It raises the voices marginalized people. Indian women novelists such as Bharathi Mukharjee, Shashi Deshpande, Anita Desai, Jhumpa Lahiri, Kiran Desai, Chitra Divakaruni and Anita Rau Badami have shown the various perspectives of women identity. Among that Anita Rau Badami is one of the recent female authors in the dynamic area of literature from the Indian subcontinent. She is a diasporic writer. She is a notable female novelist who supports the improvement of women's status through her novels, which highlight strong female characters and address their unique challenges.

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Anita Rau Badami's first diasporic novel is 'Tamarind Mem'. It explores the mother-daughter relationship. Badami delves into the consciousness of the female protagonist Saroja who face the patriarchal family. Saroja is portrayed as a dissatisfied woman who feels trapped in her traditional roles as a wife and mother. Her educated husband, Vishwa, consistently views her as the perfect example of an ideal woman. He thinks that a woman's only responsibilities are cooking, managing the home, and caring for children. Saroja wanted to become a doctor, but it is uncompleted due to her parent's pressure to get married. It is a typical Indian view of parents for their daughters. Saroja desires to take higher education after high school. She gets unfavourable response from her parents. She says, "How much I argue with Appa to study there. I beg my mother for support and receive nothing but a noncommittal silence" (Badami 158). Saroja has not freedom of choice. That is why she does not achieve the goal of becoming doctor. In this sense S. K. Khan writes about Shashi Deshpande's Heroines "The traditional religious ethos and confirms to the Manu code that the woman should be under the control of the father in maidenhood, the husband in her youth and the sons during her old age" (245). The main focus of Badami's novels is human relationships, particularly those between fathers and daughters, husbands and wives, and mothers and daughters. In all these relationships, the woman is at the forefront, and importantly, the narrative is conveyed through her perspective. Her novels depict the lives of women who feel constrained and are seeking answers to their personal issues. Sailaja Eswara and Joseph Jayakar assert in a article about Anita Rau Badami, "Badami tries to raise her voice to change the narrow outlook towards women" (12862). Saroja's mother believes that "A Woman's happiness lies in marriage" (Badami 159). Saroja tried various methods to persuade them, but they held firm to their beliefs. However, as a mother, Saroja wanted her daughters to be independent; they should take their own decision. Saroja says to her daughters, "you have to be one step ahead of the rest of the world," she declares, "better than the best. Don't let anybody be ahead of you" (119). She anticipates that her daughters should get good marks and they should be well educated.

Badami's second novel, *The Hero's Walk*, recognizes both ordinary and extraordinary acts of heroism that occur in everyday life. This novel focuses on an Indian Brahmin family and the Hindu tradition at the close of the twentieth century. They continue to hold traditional views, but they are also facing modern challenges that require them to adjust and rethink their beliefs about what matters in life. In her novel *The Hero's Walk*, Badami explores several modern themes concerning immigrant experiences, feminism, and the search for identity in today's world. Female characters such as Maya and Nirmala face challenges posed by a society governed by male authority. Maya decides to live her life by marrying someone from another country, which goes against traditional beliefs. Nirmala lives as a housewife and does not have the opportunity to express her opinions. P. Subathra remarks that feminist literary criticism explores themes of patriarchy, inequality, and power dynamics, analyzing how these factors influence characters, plot, and narrative structure (214). The novel explores the ways in which society restricts women's options and their ability to make decisions about their own futures. It advocates for women's independence and emphasizes the importance of equality in both family and society. N. Karthick and S. Karthikkumar has analyzed the novel in three categories, these are Nirmala's passive walk, Nirmala's Hero's walk and Nirmala as a Modern Woman. In the first category, Nirmala is shown as a submissive spouse to her husband. He cared for her, believing that a wife should be practical and straightforward, much like a bar of soap that serves its purpose without any creativity. Nirmala acted in accordance with the expectations of a traditional Hindu wife. A proper Hindu wife was expected to ensure that her husband remained calm and content. She does not inform him about the economic crises. Her married life used to be full of laughter that came from love. Later, she no longer experienced laughter in her life. Nirmala became panic when she heard the news of Maya's death. She asserts that her husband is responsible for Maya's death. She says to her husband, "Your fault, your fault, your fault! You killed my daughter" (Badami 35). In the second category, after Maya's unfortunate death, Nirmala transformed into a new woman. She insists that Sripathi must bring Nandana back home. Although she transformed into a rebel for her survival, she still keeps the peace at home. She manages all workload and responsibilities in her house. She does not like sufferings of her child. Once Nandana arrived, Nirmala took on the role of a supportive grandmother to her daughter's child. She transitioned into the role of a primary caregiver. She continues to support Nandana and the rest of the family by providing daily food. She believes that she should not have followed her husband's wishes so submissively and that she should have insisted on allowing Maya to visit. Badami portrays the everyday bravery of a Hindu wife within a traditional Brahmin family. In the third category, Badami portrays Nirmala as a hopeful and modern woman. She moved beyond the caste boundaries. Women are more effective than men in leading their lives.

Conclusion

Thus, Anita Rau Badami has given the exploration of gender equality and women's outlook towards family and personal life. In *Tamarind Mem*, Saroja is shown as a frustrated woman due to her parents and her husband. She wants her daughters should be good educated. In Badami's novel, *The Hero's Walk*, Nirmala is depicted at beginning as a passive wife, but afterwards she is courageous and modern woman. The novelist has highlighted the importance of women's life, respect and equality in family and society.

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Original Article

Tourism, Rural Employment, Women Empowerment, and Youth Entrepreneurship

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Abstract

Tourism plays important role in India's Economic development, especially in rural areas where job opportunities are limited. This research paper studies how tourism helps create jobs in rural areas, supports women's empowerment, and encourages young people to become entrepreneurs. By reviewing existing studies and secondary data, the paper shows that tourism-related activities help people earn income, learn new skills, and take part in social and economic life. The findings indicate that rural tourism can improve living conditions, reduce gender inequality, and provide business opportunities for young people when proper policies, training, and infrastructure are available. The paper ends with suggestions for policymakers to promote tourism as a sustainable and inclusive tool for rural development.

Keywords: Tourism, Rural Employment, Women Empowerment, Youth Entrepreneurship, Sustainable Development

Introduction

Tourism is one of the fastest-growing sectors in the India and plays an important role in creating jobs and supporting economic growth. In developing countries, tourism is especially helpful for rural development because it provides additional sources of income, helps protect local culture, and reduces poverty. Rural areas often face problems such as lack of jobs, low income, migration to cities, and limited industrial growth. Tourism helps solve these problems by using local resources and providing work for local people. Women and young people make up a large part of the rural population, but they often have fewer job and business opportunities. Women in rural areas face challenges such as social restrictions, limited education, and poor access to money and resources. Similarly, rural youth struggle with unemployment because of few job options and lack of skills. Tourism can help overcome these problems by offering equal job opportunities and encouraging small businesses. This paper studies how tourism helps create employment in rural areas, with special attention to empowering women and supporting young entrepreneurs. It explains how tourism supports economic and social development and discusses the challenges and policies needed to achieve sustainable growth.

Concept of Rural Tourism

Rural tourism means tourism activities that happen in villages and non-urban areas. It is based on local culture, traditions, natural beauty, and heritage. Rural tourism includes eco-tourism, farm tourism, cultural tourism, and community-based tourism. Unlike large-scale tourism, rural tourism focuses on protecting the environment, involving local people, and supporting local businesses. Rural tourism helps improve rural economies by creating jobs in areas such as accommodation, transport, food services, handicrafts, and tour guiding. It also supports related activities like farming, fishing, and local crafts, which helps improve the income and living standards of rural people.

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Tourism and Rural Employment

Tourism is an industry that needs a lot of workers and can provide jobs for people with different skill levels. In rural areas, tourism creates both direct and indirect employment. Direct jobs include work in hotels, homestays, restaurants, travel agencies, and tour services. Indirect jobs are created in related activities such as farming, handicrafts, construction, and transportation. Rural tourism helps reduce seasonal unemployment by offering income opportunities throughout the year. It also helps prevent people from moving to cities in search of jobs, as they can find work in their own villages. The development of tourism facilities like roads, communication services, and basic utilities also creates more job opportunities. However, jobs in rural tourism often face problems such as low wages, seasonal work, and lack of job security. To solve these issues, there is a need for skill training, government support, and fair labour practices.

Women Empowerment through Tourism

Women empowerment means giving women better access to income, decision-making power, and respect in society. Tourism provides good opportunities for empowering women in rural areas because it allows them to earn money while staying in their own communities. Women take part in many tourism-related activities such as running homestays, preparing food, making handicrafts, performing cultural programs, and working as local guides. The income they earn helps them become financially independent and improves their family's living conditions, education, and health.

Working in tourism also helps women gain confidence, leadership skills, and stronger social connections. Women who run tourism businesses often receive more respect and have a greater role in decision-making within their families and communities. Community-based tourism encourages women to work together and share benefits.

However, women still face challenges such as limited access to money, lack of training, heavy household responsibilities, and social restrictions. To overcome these problems, there is a need for women-friendly policies, small loans, education, and skill training programs.

Youth Entrepreneurship and Tourism

Youth entrepreneurship is important for economic growth and new ideas. In rural areas, tourism gives young people a chance to start their own businesses and use their creativity. Many young entrepreneurs work in areas such as tour guiding, adventure tourism, travel blogging, digital marketing, event management, and eco-tourism.

Tourism encourages young people to use technology and social media to promote tourist places and local products. Online booking systems, digital payments, and social media help rural tourism businesses reach more customers. Youth-led tourism businesses also create jobs and support the local economy.

However, rural youth face problems such as lack of money, limited business skills, and lack of guidance. Many young people find it difficult to grow their businesses because of poor infrastructure and weak market connections. To support youth entrepreneurship in tourism, government help, business training, and start up support centres are needed.

Challenges in Tourism-Led Rural Development

Although tourism provides many benefits, it also faces several challenges:

- Poor infrastructure, such as roads, sanitation, and internet connectivity.
- Environmental damage caused by unplanned tourism.
- Jobs in tourism are often seasonal.
- Women and youth have limited access to money and training.
- Weak coordination and poor implementation of policies.

Solving these problems is important to make tourism sustainable and beneficial for everyone.

Policy Recommendations

To fully use tourism for rural employment, women's empowerment, and youth entrepreneurship, the following steps are suggested:

1. **Skill Development:** Provide training in hospitality, entrepreneurship, digital skills, and languages.
2. **Access to Finance:** Offer microloans, grants, and subsidies for women and young entrepreneurs.
3. **Infrastructure Development:** Improve transport, communication, and basic facilities in rural areas.
4. **Gender-Friendly Policies:** Create support systems that encourage women's participation and leadership.
5. **Youth Entrepreneurship Support:** Set up business incubation centres, mentorship programs, and innovation hubs in tourism.
6. **Sustainable Tourism:** Promote community involvement and protect the environment.

Conclusion

Rural tourism can play a key role in improving the lives of people in villages. It creates jobs, helps women become financially independent, and encourages young people to start businesses. With proper planning, government support, and involvement of local communities, tourism can reduce poverty, promote equality, and support sustainable development. In this way, tourism can become an important tool for the overall growth of rural areas.



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Original Article

Cultural Tourism in Akkalkuwa Tahsil: Preservation and Promotion of Tribal Heritage

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Cultural tourism plays a significant role in preserving indigenous traditions while fostering sustainable regional development. Akkalkuwa Tahsil of Nandurbar District, Maharashtra, is predominantly inhabited by tribal communities such as Bhil, Pawara, Tadvi, and Kokani, who possess a rich cultural heritage expressed through festivals, folk dances, rituals, art forms, and traditional lifestyles. The present study examines the potential of cultural tourism in Akkalkuwa Tahsil with special emphasis on the preservation and promotion of tribal heritage. Both primary and secondary data were used for analysis, including field surveys, interviews, census reports, and tourism-related publications. The study identifies major cultural and tourism resources such as tribal festivals, Akkalkuwa Lake, Narayanpur Dam, and nearby natural attractions. The findings reveal that cultural tourism, if developed through community participation and sustainable planning, can contribute to heritage conservation and socio-economic development of tribal communities. The study suggests policy-oriented and community-based strategies for sustainable cultural tourism development in the region.

Keywords: Cultural Tourism, Tribal Heritage, Akkalkuwa Tahsil, Nandurbar District, Sustainable Tourism, Community-Based Tourism

Introduction

Tourism is one of the fastest-growing sectors contributing to economic development and cultural exchange. Among its various forms, cultural tourism focuses on experiencing the traditions, history, art, and lifestyle of local communities (Richards, 2018). In India, tribal regions represent a unique cultural landscape; however, many such regions remain underdeveloped due to poor infrastructure and limited promotion (Singh, 2012). Akkalkuwa Tahsil in Nandurbar District is a tribal-dominated region with rich cultural traditions rooted in nature and indigenous knowledge systems. Tribal festivals, folk dances, music, weekly markets, and traditional art forms reflect a strong cultural identity. However, increasing modernization, migration, and lack of documentation threaten the continuity of tribal heritage (TRTI, 2017). Cultural tourism can serve as an effective tool to preserve these traditions while creating livelihood opportunities for local communities.

Study Area

Akkalkuwa Tahsil is located in the northern part of Nandurbar District, Maharashtra, along the Maharashtra-Gujarat border. The region forms part of the Satpura mountain range and is characterized by hilly terrain, dense forest cover, and seasonal rivers. According to the Census of India (2011), a major proportion of the population belongs to Scheduled Tribes, including Bhil, Pawara, Tadvi, and Kokani communities.

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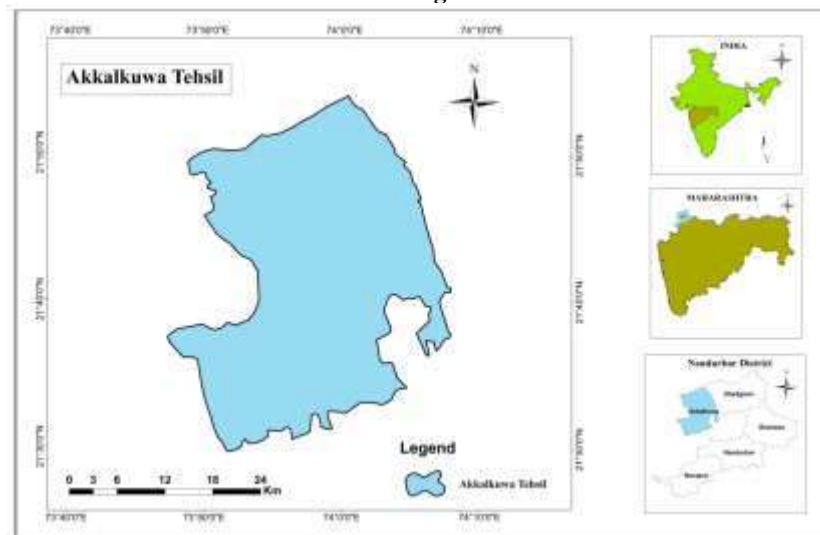
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Fig. No. 01



The tahsil is culturally significant due to its tribal festivals, folk dances such as Gher and Dhol dance, traditional attire, and weekly markets. Important tourism places within and around the tahsil include Akkalkuwa Lake, Narayanpur Dam, religious sites, and nearby attractions such as Toranmal Hill Station and Unapdev Hot Springs, which together enhance the scope for cultural and eco-tourism development.

Objectives

The present study is undertaken with the following objectives

1. To identify major tribal cultural resources in Akkalkuwa Tahsil.
2. To examine the role of cultural tourism in preserving tribal heritage.
3. To assess the socio-economic impact of cultural tourism on tribal communities.
4. To analyze challenges in the development of cultural tourism.
5. To suggest sustainable tourism development strategies for the study area.

Hypothesis

1. Akkalkuwa Tahsil possesses significant potential for cultural tourism development.
2. Cultural tourism contributes positively to the preservation of tribal heritage.
3. Lack of infrastructure and awareness restricts tourism growth in the region.

Research Methodology:

The study is based on secondary data sources.

Secondary Data: Census of India reports, Maharashtra tourism publications, research articles, books, and official reports (Census of India, 2011, Ministry of Tourism, 2019).

Descriptive and qualitative research methods were used for data analysis. Simple statistical tools were applied to analyze socio-economic aspects.

Discussion

The cultural landscape of Akkalkuwa Tahsil reflects strong tribal identity and social cohesion. Festivals such as Holi, Bhagoria, and Kalika Mata Yatra serve as important cultural events and attract visitors from nearby regions. Natural tourism sites like Akkalkuwa Lake and Narayanpur Dam offer scenic value and can complement cultural tourism initiatives.

However, the absence of basic tourism infrastructure, inadequate transport facilities, lack of accommodation, and limited marketing restrict tourism growth. Scholars emphasize that cultural tourism must be community-oriented to prevent cultural commoditization and loss of authenticity (Smith, 2009; Richards, 2018).

Analysis

The analysis reveals that Akkalkuwa Tahsil has abundant cultural and natural resources but lacks organized tourism planning. Government policies support rural and cultural tourism, yet their implementation at the local level remains limited (Government of Maharashtra, 2020). Tribal youth show interest in tourism-related activities if training and institutional supports are provided. Community-based eco-cultural tourism emerges as a suitable model for the region.

Results



- Akkalkuwa Tahsil possesses rich tribal cultural heritage and tourism resources.
- Cultural tourism can generate employment and supplementary income for tribal communities.
- Infrastructure gaps and lack of awareness are major constraints.
- Community participation is essential for sustainable tourism development.

Conclusion

Cultural tourism in Akkalkuwa Tahsil holds immense potential for preserving tribal heritage and promoting inclusive socio-economic development. Proper planning, documentation of cultural traditions, infrastructure development, and active community participation are essential for sustainable tourism growth. A collaborative approach involving government agencies, NGOs, and tribal communities can ensure culturally sensitive and sustainable tourism development in the region.

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Original Article

Educational Access and Barriers for Adivasi Girls in Maharashtra's Nandurbar District

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Education serves as a primary catalyst for social transformation and equitable growth. However, in the Indian context, educational opportunities are frequently dictated by social stratification. Adivasi communities—specifically young women—face a complex web of marginalization that hinders their academic involvement. Focusing on the Nandurbar district of Maharashtra, a region with a dense tribal population, this study highlights a critical paradox: while government initiatives have successfully boosted primary enrollment, a variety of systemic hurdles remain. These include economic instability, geographic seclusion, domestic labor expectations, linguistic disconnects, and the social pressures of early marriage. This paper evaluates the current state of educational reach and identifies the structural limitations preventing Adivasi girls from achieving long-term academic success. It concludes that genuine inclusion necessitates a shift beyond mere infrastructure toward a holistic environment of safety, autonomy, and social backing.

Key Words: Adivasi Girls, Educational Access, Educational Constraints, Early Marriage, Tribal Education, Liberty, Marginalized Communities, Nandurbar District.

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Introduction

The development of a progressive society is rooted in education, which fosters economic stability and democratic engagement. Although India has codified education as a fundamental right, the "last mile" delivery to Scheduled Tribes remains inconsistent. Adivasi populations frequently inhabit geographically isolated areas where essential services—ranging from transit to healthcare—are scarce. Within these groups, girls encounter a "double burden" of tribal marginalization and gender-specific expectations. Consequently, they exhibit disproportionately high dropout rates and lower transitions to higher education. Nandurbar, situated in northwest Maharashtra, serves as a focal point for this study due to its high concentration of Bhil, Pawara, Tadvi, and Kokani tribes. The district's rugged terrain and economic fragility create a difficult landscape for educational consistency.

Objectives Of the Research

This study aims to:

Evaluate the current reach of educational facilities for Adivasi girls in Nandurbar.

Pinpoint the primary socio-economic factors causing educational attrition.

Assess how geographic isolation and poverty intersect to impede school attendance.

Examine the impact of early marriage and restricted personal autonomy on academic continuity.

Propose strategic interventions to foster sustainable educational inclusion.

Methodology

This research utilizes a qualitative descriptive framework based on secondary data. The analysis synthesizes information from academic journals, government census reports, educational policy briefs, and contemporary news archives (2015–2025).

By evaluating existing literature, the study identifies recurring patterns in the educational experiences of tribal girls in Maharashtra without the use of primary field data

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Current Landscape of Educational Access Progress in Primary Enrollment

Due to decentralized schooling efforts, primary education has become more accessible in Nandurbar. Most tribal hamlets now have a school within a reasonable distance, leading to a noticeable rise in the initial enrollment of young girls.

Impact of Welfare Initiatives

State-led programs—including the provision of uniforms, textbooks, and the Midday Meal Scheme—have lowered the "entry cost" of schooling for impoverished families.

Furthermore, the establishment of Ashram Shalas (residential schools) has provided a vital pathway for children from the most secluded regions.

Shifting Community Perceptions

There is an emerging recognition among Adivasi parents regarding the value of literacy. This gradual shift in mindset has helped bridge the initial gap in school participation for girls.

Barriers To Academic Persistence

Despite increased enrollment, several factors force Adivasi girls out of the classroom as they grow older:

Geographic and Logistical Hurdles: The mountainous and forested terrain of Nandurbar makes the journey to secondary schools perilous. A lack of reliable public transport often forces girls to walk long distances, raising safety concerns.

The Economic Necessity of Labor: Many families live below the poverty line, relying on seasonal migration or daily wage work. In such settings, a girl's labor (either in the fields or at home) is often seen as more immediately valuable than her education.

Linguistic Disconnection: While the home language is often a tribal dialect, the medium of instruction is typically Marathi. This "language wall" often leads to cognitive overload and a loss of interest in school.

Sociocultural Constraints and Early Marriage: Adherence to traditional norms often results in adolescent girls being withdrawn from school to prepare for marriage. Once married, the transition to domestic roles usually marks the permanent end of their formal education.

The "Liberty Gap": Unlike their male counterparts, Adivasi girls often lack the agency to choose their subjects or decide how long they stay in school. Their mobility is frequently monitored, which stifles their academic aspirations.

Schemes and Their Impact on Adivasi Girls in Nandurbar District

Education among Adivasi girls in Nandurbar district has historically faced numerous challenges, including economic hardship, remote locations, and limited access to quality schooling. To address these issues, both state and central governments have implemented several schemes aimed at supporting tribal girls' education, along with community-level initiatives that enhance learning opportunities. These programs have had a noticeable impact on enrollment, retention, and overall awareness about the importance of girls' education in the district.

1. Post-Matric Scholarship for ST Students

The Post-Matric Scholarship provides financial support to tribal girls pursuing education beyond Class 10. In Nandurbar, this scholarship has allowed many girls to continue their studies in higher secondary schools and colleges, covering tuition fees and essential educational expenses. Families in the district rely on this support to reduce financial burdens and prevent early school dropouts (Government of Maharashtra Zilla Parishad, 2025; nandurbar.gov.in). By easing economic pressure, the scholarship has encouraged parents to value education for their daughters and invest in their academic future.

2. Free Government Hostel Scheme

Many girls from remote villages in Nandurbar face the challenge of traveling long distances to reach schools and colleges. The Free Government Hostel Scheme provides safe accommodation, food, and basic facilities for these students. By offering a secure living environment close to educational institutions, the scheme has significantly increased regular attendance and retention, particularly for girls in secondary and higher secondary education (Government of Maharashtra Zilla Parishad, 2025). Hostels have become a vital support system, ensuring that distance and safety concerns do not prevent girls from continuing their education.

3. Pre-Matric Scholarships and Educational Material Support

At the school level, programs that provide uniforms, textbooks, and tuition support have made schooling more accessible and practical for tribal families. These initiatives have led to higher enrollment rates and improved attendance among Adivasi girls in Nandurbar (Circle of Hope, 2025; aif.org). Families report that these supports reduce out-of-pocket expenses and make it easier to send girls to school consistently, particularly in primary and secondary levels.

4. Local Coaching and Skill Development Programs

Programs like Prakash Wata provide free coaching for competitive entrance examinations, reserving seats for tribal girls. These initiatives help students prepare for higher professional education while remaining connected to their local



district (Times of India, 2025; timesofindia.indiatimes.com). The program has not only improved academic preparedness but also motivated girls to pursue careers in professional fields such as medicine, engineering, and management, increasing aspirations among tribal families.

5. Higher Education within the District

The Tribal Education Society's Mahila Mahavidyalaya offers undergraduate courses specifically for tribal women. Many girls in Nandurbar take advantage of this local institution to continue education without moving away from their families (Tribal Education Society, 2025; tessmndb.org.in). This has contributed to a higher number of girls completing undergraduate studies, creating a foundation for future participation in higher education or professional opportunities.

6. Indirect Support through Economic Empowerment

Schemes such as the Adivasi Mahila Sabalakaran Yojana, though primarily aimed at improving economic independence among women, indirectly benefit girls' education. Families that experience improved income and financial stability are more willing to invest in the education of their daughters. This has encouraged continued schooling and greater participation in both formal education and vocational training (Government of Maharashtra Zilla Parishad, 2025; nandurbar.gov.in).

7. Overall Impact and Community Experience

Combined, these schemes have significantly increased school enrollment, reduced dropout rates, and improved community awareness about the value of girls' education in Nandurbar. Most of the tangible benefits are observed at the school and undergraduate levels, while aspirational programs such as Top Class and Overseas Scholarships exist but are accessed by a small number of students due to academic preparedness and resource limitations. NGOs and local initiatives providing multilingual materials and learning support complement government schemes by addressing foundational learning gaps and cultural barriers (Circle of Hope, 2025). Despite improvements, challenges remain, such as infrastructure gaps in some schools and delayed disbursement of funds, which continue to limit the full potential of these programs (Indian Express, 2025; indianexpress.com).

Overall, these combined efforts indicate a gradual but meaningful improvement in educational access and quality for Adivasi girls in Nandurbar district, demonstrating that well-targeted schemes and community-focused interventions can create lasting impact.

Recommendations For Policy Reform

To transform the educational outcomes in Nandurbar, the following steps are recommended:

Localized Secondary Schooling: Building high schools within smaller clusters of villages to reduce travel time.

Multilingual Pedagogy: Implementing bridge courses that use tribal dialects to transition students into the state curriculum.

Enhanced Safety Protocols: Providing dedicated "Lady Link" buses or bicycles to ensure safe transit for older girls.

Community Advocacy: Engaging tribal elders in dialogues regarding the long-term economic benefits of delaying marriage and fostering female autonomy.

Conclusion

In Nandurbar, the challenge has shifted from "getting girls into school" to "keeping girls in school." While primary access has improved, the transition to secondary and higher education is blocked by a wall of economic and social limitations. True empowerment for Adivasi girls will only be achieved when educational policy addresses the specific intersections of geography, poverty, and gender-based restrictions.

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Original Article

Viksit Bharat Vision 2047: A Scientific Framework for a Developed India through Physics-Driven Innovation and Materials Research

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Abstract

The Viksit Bharat Vision 2047 represents India's strategic long-term blueprint to transform into a developed nation by its 100th year of independence, emphasizing economic prosperity, social equity, technological leadership, and environmental sustainability [1,2]. While the policy pillars of this vision encompass digital infrastructure, education, healthcare, and governance, the central nervous system of reaching these goals lies in scientific innovation. Physics and materials science, particularly in emerging domains such as advanced materials, photocatalysis, and novel functional compounds like potassium bismuth ferrite oxide (KBFO), are pivotal for energy technologies, environmental sustainability, and industrial transformation. This paper outlines the linkage between Vision 2047 goals and scientific research, demonstrating how fundamental physics and material science innovation will accelerate India's development trajectory.

Keywords: Viksit Bharat 2047; developed nation; physics; materials science; innovation ecosystem; photocatalysis; energy sustainability; KBFO.

Introduction

By 2047, India aspires to become a developed nation with robust economic growth, technological self-reliance, and equitable societal outcomes [1,2]. The Viksit Bharat Vision 2047 emphasizes industrial transformation, digital leadership, sustainable energy, and global competitiveness as core pillars for national development [1].

Achieving this vision is not solely a socioeconomic challenge; it is also a scientific imperative. Technological advancements, particularly stemming from physics and material science, are essential to overcome structural limitations in energy, manufacturing, and sustainability [3,7]. Innovations in physical sciences will determine India's position in next-generation technologies, fulfilling Vision 2047's aspirations for a resilient and prosperous future.

Vision 2047: Scientific and Technological Considerations

2.1. National Development Through Science and Technology

Strategic documents and studies demonstrate that science and technology investments are integral to India's developmental roadmap. Research infrastructure growth, including thousands of research units and university programs, reflects increasing recognition of science's role in national development [4]. R&D spending must grow significantly above current levels to support technological dynamism and avoid stagnation in productivity [3,7]. A critical analysis suggests R&D expenditure should rise toward 3% of GDP to sustain innovative growth and further integrate scientific output into economic progress [3].

Physics Roles in Viksit Bharat 2047

3.1. Energy Systems and Sustainable Technologies

Physics underpins the development of energy technologies crucial to India's sustainability goals.

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Renewable energy systems—from solar photovoltaics to next-generation nuclear power—are based on physical principles such as quantum mechanics and electromagnetism. Innovations in these areas can help India achieve energy security and low-carbon growth, both essential to Vision 2047 targets of sustainable development [2,7].

Photocatalysis, a physics-driven process enabling light-induced chemical transformations, is particularly relevant. Advanced photocatalytic materials improve solar fuel production and environmental pollutant degradation, positioning India to adopt cleaner technological pathways while fostering research leadership.

Materials Science and Nation Building

4.1. Advanced Functional Materials and Innovation

Materials science innovations enable breakthroughs in semiconductors, battery technologies, catalysis, and sensor systems—domains central to digital infrastructure, clean energy, and smart manufacturing. Fundamental physics research into electronic structure, crystal defects, and nanoscale phenomena directly informs the design of materials that support national priorities.

A case in point is research into novel multiferroic and photocatalytic materials like potassium bismuth ferrite oxide (KBFO). KBFO exhibits unique photocatalytic properties combined with ferroelectric benefits, making it promising for sustainable energy conversion and environmental applications. By investing in foundational research on such materials, India can cultivate expertise that supports both academic advancement and industrial capabilities.

Innovation, Research Ecosystem, and Economic Growth

Vision 2047 attaches high importance to innovation ecosystems and fostering startups in deep tech domains [1,5]. Physics-based research not only yields transformative technologies but also fuels commercial ventures in quantum computing, nanotechnology, and advanced manufacturing. Government focus on digital infrastructure, smart systems, and citizen-centric innovation provides fertile ground for science-based entrepreneurship.

Leveraging physics and materials science for innovation will increase total factor productivity and position India competitively in high value sectors.

Challenges and Strategic Imperatives

Despite progress, India must address several hurdles. These include relatively low R&D investment, uneven innovation infrastructure, and gaps in translational research. Closing these gaps will require focused policy support, strategic funding, and partnerships between academia, industry, and government.

Strategies that align scientific investment with Vision 2047 targets include:

Enhanced funding for fundamental physics and materials research

Industry-university collaboration mechanisms

Innovation stimuli like technology incubators and translational research grants

Focused programs on energy materials and environmental technologies.

Conclusion

The Viksit Bharat Vision 2047 is more than a policy slogan; it is a holistic agenda that hinges upon building a knowledge-driven economy. Fundamental sciences such as physics and materials science provide the intellectual scaffolding for transformative technologies in energy, environment, manufacturing, and digital systems. By nurturing innovation ecosystems, prioritizing high-impact research areas including photocatalysis and multifunctional materials like KBFO, and sustaining long-term investments in scientific capacity, India can genuinely transform into a developed nation by 2047. Physics-driven research will not only drive technological leadership but also shape a future of equitable, sustainable, and inclusive growth.

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Original Article

A Study of Psychological Well-Being, Academic Stress, and Coping Strategies among Generation Z College Students

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The current research study illustrates the intricate linkages of psychological well-being, academic pressure and experienced coping strategies of Generation Z college students using a descriptive research design based on secondary resources such as literature and data (peer-reviewed journals, books, reputable news reports etc.) and creates a synthesis of research findings as a means of identifying prevalent mental health issues and trends in the population. The results show that there exists a clear inverse relationship between academic stress and psychological well-being. The vast majority of students encounter or experience significant academic stress through the pressures associated with high demands from school and performance standards, anxiety related to future career options, and are further negatively affected by the post-pandemic transition to remote learning. The results also demonstrate that there are differing levels of resilience associated with employing active, problem-focused coping strategies and utilizing social support vs. greater reliance on passive or avoidance coping strategies; students who solely rely on avoidance coping methods tend to experience greater instances of anxiety and burnout. Based upon the findings of this study and in response to the need for the targeted populations of the Khandesh region to receive enhanced institutional assistance, the authors recommend that institutions should develop a coordinated plan to enhance access to on-campus counseling services through the development of academic counseling offices, provide academic support and mental health services through integrated stress-management curriculum and improve students' ability to maintain "digital hygiene" such as email accounts or social media in order to reduce the multitude of pressures placed on the current technology-driven generation. Ultimately, to improve the resilience of the targeted population, students must have access to develop active coping strategies that improve their overall life satisfaction.

Keywords: Psychological well-being; Academic stress; Coping strategies; Generation Z; College students; Mental health.

Introduction

The Psychological well-being of university students is important for promoting and establishing Mental Health, Academic achievement, Personal development, and Overall life satisfaction. The pressures of Academic stress for students, especially Generation Z, are high today due to their academic course load, performance expectations and anxiety around their future job opportunities. Academic Stress is a psychological issue that has become common among students as a result of their current academic reality with respect to Exams, Large assignments, short time frames to meet deadlines, and the fear of failing to perform. If this stress goes unresolved, it will have a negative effect on student Mental Health (e.g., anxiety, emotional Exhaustion, low motivation, poor Academic performance, etc.). The amount of stress that Students experience today since the Pandemic has increased because of the shifting nature of the Online learning environment, the impact of social distancing, and the uncertainty surrounding regular academic and social experiences.

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Coping strategies are important in how Students respond to and manage Academic stress while maintaining their Mental Health. Resilience can be developed through effective Coping strategies such as Problem solving and seeking out social support; whereas Resilience may decrease when using Ineffective Coping strategies (e.g., avoidance). Therefore, understanding the connection between mental well-being, academic stress, and coping strategies among Generation Z college students is important.

Literature Review

Laldikpui and Vijayan (2023) The relationship between academic stress, mental well-being and coping mechanisms due to stress was assessed by Laldikpui and Vijayan (2023) through a study of 130 students located within Mizoram. Among the significant conclusions found through their study were that there was a statistically significant correlation between academic stress and mental wellbeing; thus, high levels of academic stress directly affected negatively on psychological health. Furthermore, the researchers discovered that there was no statistical significance to the effects of student's use of coping mechanisms towards their mental wellbeing; therefore, demonstrating that the ways in which students attempted to cope with their stress were mostly ineffective. This conclusion further supports what this current study on Generation Z within the Khandesh area will investigate; additionally, to the presence of coping mechanisms will also be investigated will be the degree of success of those coping mechanisms towards ensuring mental well-being.

Peerzada (2024) This study explored the relationship between adolescent students' psychological wellness, their academic stresses and how these students coped with these situations. It found that students experienced different levels of academic stress based on gender and geographic area and that these stresses created a vulnerable population. The study also indicated that high levels of academic stress were related to low levels of psychological wellness, but primarily with adolescents in secondary educational settings (high school). This creates an important historical context for the current study, as it will examine the stress-coping dynamics explored by Peerzada amongst Generation Z college-aged students. Specifically, this study seeks to investigate whether the same stress-coping dynamics remain the same or change from secondary to postsecondary educational systems in the Khandesh region. **Nerlekar et al. (2024)** Researchers at the University of Pune, located in the Indian state of Maharashtra, conducted a cross-sectional study of the stress levels of 275 college students. They found that the prevalence of academic stress among these students was extremely high, severely affecting their psychological well-being. Thus, this study creates a regional benchmark for the current research in Maharashtra by focusing on an urban city; while the Nerlekar et al. study found the baseline for academic stress in a metropolitan setting, the current study will extend this to the semi-urban area of Khandesh. Additionally, the present study will ascertain whether differences exist in the stress-coping strategies between Generation Z students in Jalgaon and those in Pune. **Lad (2021)** The author researched the relationship between academic stress and student mental health (anxiety and depression) and resilience in college students at Vishwakarma University in Maharashtra. Results demonstrated that students experiencing increased levels of academic stress have decreased levels of mental health, and that resilience is a key protective factor. This study of students' psychological conditions in an urban area of Maharashtra is significant because it provides baseline data. The current study builds on these findings by continuing to study resilience in college students by examining whether or not post-secondary students from Jalgaon and Dhule (Khandesh region) demonstrate similar patterns of resilience and use the same coping mechanisms as their peers in Pune (urban).

Waghachavare et al. (2013) A cross-sectional investigation on stress amongst junior college students in rural Sangli (Maharashtra) indicated that these students experienced high amounts of stress related to academic performance. The primary sources of stress were related to pressure from parents to succeed and fear of failure, both of which negatively impacted student psychology. This research is essential to the present study because it represents unique comparative data from a rural area of Maharashtra as opposed to commonplace data collected from studies conducted in urban areas. It will serve as a baseline to help determine how stress levels for Generation Z students have changed over the last ten years in the Khandesh region's similarly rural and semi-urban environments.

Methodology

This research will follow a descriptive research design using only secondary data. Systematic qualitative review and synthesis of literature have been utilized to explore the links between (a) academic stress, and (b) coping mechanisms and psychological wellbeing among college students within Generation Z. Secondary data sources comprised of peer-reviewed scholarly articles, academic journals (including Google Scholar), reference books; reputable media articles and verified educational website have been used for data collection purposes. Analysis of data will evaluate existing literature to identify important trends or themes, as well as theoretical frameworks, associated with mental health challenges within the Khandesh Region. A systematic review and synthesis of literature – compared to conducting a primary field study – enables a more thorough evaluation of mental health challenges that occur within the Khandesh region.

Conclusion

A comprehensive review of academic journals, books and newspapers was conducted to determine whether there is an inverse correlation between psychological well-being and academic stress among Generation Z college



students. The literature indicates that Generation Z college students face various types of pressures related to their performance in school and obtaining a future career, while the efficacy of methods used to cope with such pressures can vary widely. The synthesis of data suggests that avoidance strategies are associated with worse mental health than problem-focused strategies. Therefore, there is a critical need for higher education institutions to provide structured mental health support to improve the resilience and well-being of their students.

Suggestions

Recommendations based on secondary literature and current trends include the following:

1. Establishing Campus Counseling Support: Colleges should require on-site counseling services and include both "Stress Management" and "Life Skills" training as part of the curriculum to remove the stigma from seeking mental health treatment.
2. Recommending "Digital Detox" and alternative recreational activities on-campus to counter the negative association between excessive screen time and anxiety in Generation Z...
3. Facilitating Educational Sessions for Parents to raise awareness about aligning parental expectations with the true aptitude of their student's abilities so as to alleviate parent-child pressure...
4. Encouraging Students to move from a state of "avoidance" (i.e., isolating oneself) to an "active coping strategy"... (e.g., mindfulness-based strategies/yoga/peer support).

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Original Article

Exploring the Interconnectedness of Culture, Heritage, and Indian Knowledge System: A Comprehensive Review

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This research paper explores the intricate relationships between culture, heritage, and the Indian Knowledge System (IKS). India, with its rich cultural diversity and ancient traditions, provides a unique context for understanding the interplay of these concepts. This study delves into the significance of culture and heritage in shaping the Indian identity and examines the role of IKS in preserving and transmitting traditional knowledge. The paper also discusses the importance of integrating IKS into modern education and its potential to contribute to sustainable development.

Keywords: Culture, Heritage, Indian Knowledge System, Tradition, Sustainability.

Introduction

India is a land of diverse cultures, languages, and traditions, with a history dating back thousands of years. The country's cultural heritage is reflected in its architecture, art, literature, music, and philosophy. The Indian Knowledge System, rooted in ancient texts and scriptures, encompasses various disciplines, including philosophy, science, and mathematics. This paper aims to explore the connections between culture, heritage, and IKS, highlighting their significance in contemporary society.

The proud tradition of ancient Indian Knowledge System

The Indian knowledge system is a symbol of unique knowledge and virtue, in which there is a wonderful harmony of knowledge and science, the worldly and the divine, karma and religion, and enjoyment and renunciation. Since the time of the Rigveda, the education system focused on the moral, material, spiritual and intellectual values of life and emphasized the values of humility, truthfulness, discipline, self-reliance and respect for all. In the Vedas, knowledge was accepted as the basis of the superiority of humanity. The education system emphasized both education and physical development. Karma is that which frees man from bondage. And knowledge is that which shows the path to liberation. In addition, initiative-based education was given priority in the curriculum. These objectives of education were accepted in the Indian tradition and education was imparted accordingly in universities and gurukuls. Indigenous education with values was imparted in homes, temples, schools, gurukuls. The knowledge traditions and methods of ancient times encouraged humanity. In the Puranas, knowledge is considered incomparable.

Results of scientific and logical thinking

The ancient Indian knowledge system was very rich and its purpose was to develop the complete personality of the individual, including religion and salvation. When the whole world was lost in the darkness of ignorance, the sages of all over India were spreading the highest knowledge, freeing man from animality, equipping him with good values and making him a complete human being.

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Ancient Indian Knowledge Tradition and History

Since ancient times, our country has been a country of human values and specific scientific traditions. The culture of India is such that India did not consider the world as a separate country. “**Vasudhaiva Kutumbakam**,” based on this principle from the Maha Upanishad, India considers the world as **one family**. Countries with Western culture have started emphasizing on adopting and knowing Indian culture. Many departments and research institutes have been established to know the Vedas, Upanishads, Smriti and the way of life here. Today the world is accepting the traditions of India. We and our future generations will also have to give due importance to the ancient values of India. For this, they will have to be given the right direction by properly identifying their inner knowledge, qualities, strength and ideals. In ancient India, women's education was important and women got the opportunity to acquire knowledge in various fields. In the Vedic society, women had the opportunity to learn knowledge, philosophy, religion, yoga, Vedas, music, drama and science. Scholars like Gargi, Maitreyi, Lopamudra had gained an important place in the society. However, over time, social and cultural changes limited women's education.

Role of Indian Knowledge System in the context of modernity

This land of India is great. The continuous flow of knowledge from this land has influenced the entire world. The Indian knowledge system has been very rich since ancient times. Considering the Indian knowledge prevalent in the modern era and the so-called new knowledge coming from abroad, the discoveries mentioned in our texts are proof of the richness of the Indian knowledge system. Indian knowledge is like the water of the Ganges. Which is pure and unbroken. India gave the world many dimensions of knowledge system and science. This is the time to worry and reflect on the Indian knowledge system. Efforts are needed to convey the importance of ancient Indian knowledge to the masses. Because this is a matter of national pride, it should never be forgotten that the Indian knowledge tradition always supports the truth. In the modern era, the use of words like depression, stress, anxiety, mental trauma has increased a lot. Today's young generation has adopted the lifestyle of the Western world and incorporated these words into their lives, but such an attitude is not seen in ancient India. Now it becomes the duty of all of us to preserve India's invaluable heritage and knowledge so that it can benefit the world and the future generations of India should look at India with pride instead of looking down on it. Scientist Albert Einstein has said, “**We are very much indebted to the Indians who taught us how to count, without which no meaningful scientific discovery could have been made.**” India's contribution has always been invaluable and its usefulness in the context of modern developed India will always remain intact, as is clear from the statements of scientists in the Western world.

Culture, Heritage and Indian Knowledge System

Culture: defined as a “**way of life**,” encompassing the embodiment of how people think and act as members of society. It includes daily behaviours, beliefs, customs, and practices. –www.wikipedia.com.

Many elements of Indian culture, such as Indian religions, mathematics, philosophy, cuisine, languages, dance, music, and movies have had a profound impact across the Indosphere, Greater India, and the world.

Heritage: Specifically refers to the legacy of monuments, arts, and rituals inherited from predecessors and preserved for future generations.

Culture and heritage play a vital role in shaping identity, fostering social cohesion, and promoting national pride. India's cultural heritage is characterized by its diversity, with influences from various civilizations and religions.

Culture and heritage are intertwined concepts that encompass the beliefs, traditions, customs, values, practices, artefacts, and historical experiences that define and shape a particular group of people or society.

Indian Knowledge System (IKS)

IKS is an ancient system of knowledge that encompasses various disciplines, including philosophy, science, and mathematics. The Vedas, Upanishads, and other scriptures are the foundation of IKS. It emphasises on spiritual growth, holistic approach, and the interconnectedness of knowledge. IKS offers valuable insights into traditional practices, sustainable living, and the human condition. Incorporating IKS into modern education can help preserve traditional knowledge, promote cultural awareness, and foster critical thinking. The integration of IKS into modern education is expected to promote cultural preservation, cognitive diversity, and holistic development.

IKS offers valuable insights into sustainable living, environmental conservation, and eco-friendly practices.

Examples: Traditional Agriculture: Practices like organic farming, crop rotation, and water harvesting are integral to sustainable agriculture.

The National Education Policy 2020 also emphasizes the importance of integrating Indian Knowledge Systems into modern education.

Conclusion

The Indian Knowledge System, culture, and heritage are intertwined, offering valuable insights into the country's rich past and its relevance to the present. By integrating IKS into modern education and promoting cultural awareness, we can work towards preserving traditional knowledge, fostering innovation, and achieving sustainable development.

“**Unity in Diversity**”, these aren't simply words; they're a metaphor for a country like India, which is extraordinarily rich in culture and legacy.



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Concluding with the quote rightly said by **Mark Twain**, “**India is the cradle of the human race, the birthplace of human speech, the mother of history, the grandmother of legend, and the great–grandmother of tradition. Our most valuable and most instructive materials in the history of man are treasured up in India only.**”

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Original Article

Financing Sustainable Tourism: Public Funding, Green Bonds, and Start-ups

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Sustainable tourism has emerged as a strategic development priority, especially in rapidly growing tourism markets such as India. Sustainable tourism aims to balance economic growth with environmental conservation, cultural integrity, and community well-being. Financing this transition remains a core challenge due to the high upfront cost of infrastructure, perceived investment risk, and the need for long-term capital. This paper examines three principal financing mechanisms—public funding, green bonds and sustainable finance instruments, and start-ups and private innovation—with emphasis on their applicability and effectiveness in the Indian context. By integrating national tourism strategies, public-private collaboration, and market-based finance, sustainable tourism can achieve scalability and resilience while aligning with climate and development goals. Sustainable tourism has emerged as a strategic development priority, especially in rapidly growing tourism markets such as India. Sustainable tourism aims to balance economic growth with environmental conservation, cultural integrity, and community well-being. Financing this transition remains a core challenge due to the high upfront cost of infrastructure, perceived investment risk, and the need for long-term capital. This paper examines three principal financing mechanisms—public funding, green bonds and sustainable finance instruments, and start-ups and private innovation—with emphasis on their applicability and effectiveness in the Indian context. By integrating national tourism strategies, public-private collaboration, and market-based finance, sustainable tourism can achieve scalability and resilience while aligning with climate and development goals.

KeyWords: Sustainable tourism, public funding, green bonds, start-ups, blended finance, green finance

Financing Sustainable Tourism: Public Funding, Green Bonds, and Start-ups Introduction

Tourism contributes significantly to national economies. In India, it supports millions of jobs, strengthens rural economies, and enhances foreign exchange earnings. Simultaneously, conventional tourism activities can exert pressure on ecosystems, cultural assets, and community well-being, prompting the need for sustainable approaches to tourism planning and investments. The sustainable tourism market in India was valued at INR 329.53 billion in 2023 and is projected to reach INR 2.24 trillion by 2030, reflecting robust growth driven by eco-tourism, heritage tourism, and responsible travel demand. (GlobeNewswire)

However, sustainable tourism projects often require large upfront expenditures for renewable energy systems, waste/water infrastructure, community capacity building, and destination management deterring conventional private investment. Therefore, diverse and integrated financing mechanisms are essential to bridge this gap.

Conceptual Framework: Sustainable Tourism and Finance

Sustainable tourism seeks to “meet the needs of present tourists and host regions while protecting and enhancing opportunities for the future.”

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Within India's policy landscape, this concept has been formalized in the **National Strategy for Sustainable Tourism** (2022), which emphasizes **resilience, inclusiveness, carbon neutrality, and resource efficiency** across tourism segments. ([Ministry of Tourism](#))

Three core dimensions underpin sustainable tourism:

- **Environmental sustainability** protecting ecosystems, reducing carbon and resource use.
- **Socio-cultural sustainability** ensuring equitable community participation and cultural preservation.
- **Economic sustainability** maintaining long-term viability and value creation for local economies.

Financing mechanisms must therefore direct capital toward investments that deliver measurable outcomes across these pillars.

Public Funding as a Foundation for Sustainable Tourism Financing

3.1 Government Schemes and Budgetary Support

Public funding is foundational to sustainable tourism development, particularly where private capital hesitates due to early-stage risk or unclear revenue models. In India, the Ministry of Tourism has expanded schemes such as **Swadesh Darshan 2.0**—a destination-centric policy that finances tourism infrastructure with sustainability criteria, focusing on eco-tourism, heritage, and community-integrated destinations. ([Angel One](#))

Under this scheme, projects are sanctioned based on thematic circuits (such as eco, rural, Himalayan, and heritage circuits), with funding directed toward infrastructure improvements, sanitation systems, accessibility upgrades, and interpretative facilities—elements crucial to sustainable destination management. ([Wikipedia](#))

Another major government scheme, PRASHAD (Pilgrimage Rejuvenation and Spiritual, Heritage Augmentation Drive), channels capital for infrastructure around important pilgrimage sites, balancing heritage conservation with visitor management and sanitation upgrades.

Additionally, states like Rajasthan have allocated over ₹305 crore under the SASCI scheme to promote eco-tourism and related infrastructure development, including water-body rejuvenation and nature trails. ([The Times of India](#))

3.2 Multilateral Public Finance

Beyond domestic budgetary support, international bodies such as the Asian Development Bank (ADB) collaborate with the Indian government to finance sustainable tourism projects. In one recent example, the ADB and the Government of India signed a US \$126.4 million loan agreement for sustainable and climate-resilient tourism development around Tehri Lake in Uttarakhand, aimed at improving planning systems, waste management, climate adaptation infrastructure, and community participation. ([The Times of India](#))

These concessional arrangements bring not only capital but technical expertise, risk mitigation structures, and a framework for inclusive socio-economic outcomes.

3.3 Challenges in Public Funding

Despite its strategic role, public funding faces limitations including fiscal constraints, slow disbursement processes, and competing development priorities. Moreover, recently reported institutional bottlenecks—such as delays in operationalizing India's **National Board for Sustainable Tourism**—have restricted coordinated implementation of strategic sustainable tourism plans. ([ETHospitalityWorld.com](#))

Green Bonds and Sustainable Finance Instruments

4.1 Overview and Relevance

Green bonds are fixed-income instruments whereby proceeds are exclusively allocated to projects with environmental benefits such as renewable energy, low-carbon transport infrastructure, waste and water management systems, or conservation projects. They mobilize long-term capital from institutional investors **and** are increasingly important for climate and sustainability financing. In India, although most green bond activity has focused on renewable energy and urban infrastructure, these instruments can also finance sustainable tourism-related infrastructure—such as eco-friendly accommodation energy retrofits, solar installations in tourist facilities, and low-impact transport systems connecting destinations.

4.2 Indian Green Finance Initiatives

India has seen pioneering use of green finance at the municipal and national levels. For instance, Vadodara Municipal Corporation issued Asia's first certified green municipal bond, raising ₹1 billion for wastewater infrastructure—demonstrating how local governments can access sustainable capital markets for environmental infrastructure that indirectly improves tourism environments through improved cleanliness and public health. ([Reuters](#))

Simultaneously, India's sovereign issuance of green bonds and the planned trading of Sovereign Green Bonds at the International Financial Services Centre (IFSC) in GIFT City signals growing integration of sustainable finance into mainstream capital markets (anticipated as a strategic step towards financing climate-aligned projects). ([Reddit](#))

4.3 Challenges and Opportunities

Green bonds face challenges including stringent eligibility criteria, high verification costs, and the need for robust environmental impact reporting. For tourism, measuring outcomes (e.g., carbon reduction from sustainable transport)



requires standardized methodologies to satisfy investor reporting requirements. Nevertheless, market development and policy support can strengthen tourism eligibility for green finance.

Start-ups and Private Innovation in Sustainable Tourism Finance

5.1 The Role of Start-ups

Start-ups are pivotal in introducing innovative service models, digital platforms, and community-engagement mechanisms within sustainable tourism. They can reduce barriers to sustainable practices by aggregating supply (e.g., eco-friendly homestays), facilitating direct consumer engagement, and leveraging technology for resource efficiency.

India's tourism start-up ecosystem is evolving, with initiatives like **deep-tech fund-of-funds** intended to support innovation in travel tech, smart tourism infrastructure, and AI-driven services that enhance sustainability and traveler experience. ([Travel And Tour World](#))

5.2 Financing for Tourism Start-ups

Tourism start-ups often attract angel investment, venture capital, impact funds, and government-backed innovation grants. These funds help scale solutions such as:

- Platforms linking travelers to certified responsible homestays and local experiences.
- Apps that support crowd and resource management at heritage sites.
- Digital systems enabling community enterprises to market sustainable offerings.

Although data on cumulative investment flows specifically to sustainable tourism start-ups in India is limited, the broader trend of technology investments in travel and hospitality indicates growing investor interest.

5.3 Challenges for Private Innovation

Challenges for start-ups include access to seed and growth capital, navigating regulatory environments, and achieving commercial sustainability while balancing environmental and social outcomes. Support through incubation programs, targeted tax incentives, and co-financing with government schemes can help bridge these gaps.

Integrated Financing Models: Blended Finance and PPPs

6.1 Blended Finance

Blended finance uses public or philanthropic capital to reduce investment risk and attract private finance into sustainable tourism projects that would otherwise be overlooked by traditional lenders. Tools such as concessional loans, first-loss capital, and guarantees can help bring institutional investors into infrastructure and destination development.

6.2 Public–Private Partnerships

Public–private partnerships (PPPs) combine government oversight with private capital and operational capabilities to deliver sustainable tourism infrastructure—such as eco-parks, waste management systems, and visitor centers—balancing public goods with investor returns. These models align incentives and foster long-term stewardship of destination assets.

Policy Implications and Recommendations

To strengthen financing for sustainable tourism in India, policymakers should:

1. **Build stronger national frameworks** with clear financing road maps that align with the National Strategy for Sustainable Tourism. ([Ministry of Tourism](#))
 2. **Enhance access to green finance** by expanding eligibility criteria for tourism-related sustainable projects and offering technical support for impact measurement.
 3. **Support start-up ecosystems** with innovation grants, tax incentives, and connections to private capital networks.
- Promote blended financing and PPPs** to align public incentives with private investment while ensuring community benefits and environmental safeguards.

Conclusion

Financing sustainable tourism is multifaceted, requiring coordinated public and private efforts. Public funding lays the foundation through national schemes and international loans. Green bonds and sustainable finance instruments offer opportunities to access long-term capital. Start-ups and innovation present dynamic pathways for new service models and resource-efficient solutions. Integrated approaches such as blended finance and PPPs are vital for scaling impact. In India's rapidly growing tourism sector, strengthening these mechanisms can accelerate sustainable development that protects natural resources, enriches communities, and enhances economic resilience.

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Original Article

Impact of Social Media on Reading Habits of Students

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The technology & internet have impacted on lives of all human being. The rapid growth of social media has significantly influenced the academic life of the students. This study examines the impact of social media on the reading habits of students, with special reference to S.J.M.S.M.'s Shri Bapusaheb V. C. Chaudhari Arts & Commerce Senior College, Khapar. The research aims to analyze changes in students' reading frequency, preferences, and attitudes toward academic and leisure reading due to increased use of social media platforms. A survey method was adopted to collect primary data. However, the study also highlights that social media can positively support reading habits when used for educational purposes, such as accessing e-books, academic articles, and learning content. The study noted that balanced and guided use of social media is essential to enhance reading habits among students.

Key words: Reading, Reading Habits, Internet, Technology, Social Media, Social Networking.

Introduction

In recent years, the rapid advancement of digital technology and the extensive adoption of social media have significantly changed the landscape of communication and information consumption. This study focuses on the impact of social media on the reading habits of students at S.J.M.S.M.'s Shri Bapusaheb V.C. Chaudhari Arts & Commerce Senior College Khapar, tal. Akkalkuwa dist. Nandurbar aiming to explore how platforms like Facebook, Instagram, and Whats App influence students' engagement with reading materials. Social media offers unprecedented access to a variety of reading resources, from e-books and articles to discussions about literature, potentially fostering a greater interest in reading among students. However, it also poses risks, such as distractions and a preference for brief, engaging content over more complex texts. This research will provide insights into how social media shapes reading behaviors, preferences, and attitudes among tribal students, highlighting the need for targeted strategies that leverage social media as a tool for enhancing reading engagement while addressing its challenges. By examining these influences. Sant Jagnade Maharaj Shikshan Mandals' Shri Bapusaheb V.C. Chaudhari Arts & Commerce Senior College, located in hilly and tribal area of Khapar taluka Akkalkuwa dist. Nandurbar. The said college established in 1996 with the vision of to provide higher education to the tribal community.

Popular Social Media

Here's a brief overview of some popular social media platforms:

1. Facebook

Launched in the year 2004, Facebook is a social networking site where the users can connect with friends and family, share updates, photos, and videos, and also join groups related to their interest. It is significantly used for personal networking, event planning, and news sharing. It is extremely popular among students

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2. Instagram

It started in 2010 as Instagram and became a purchase of Facebook. These are mainly image-centric features that share photos and short videos, where features in such applications allow users to make ephemeral content, such as Stories and Reels, reach a larger audience, and then acquire quite high popularity among influencers and brands.

3. Twitter:

Twitter, in its proper form since 2006, is a microblogging site that allows users to write and interact with one another over short messages called tweets which are up to 280 characters. Twitter has been an important source for real-time news updates, public discourse, and trending topics so it is an essential tool in the journalist's and activist's toolbox.

4 LinkedIn:

Launched in 2003, LinkedIn is a professional networking site, which revolves around the development of skills. It allows connecting with people through colleagues, job search, and the sharing of industry insights and creation of professional profiles. Therefore, it proves to be the most vital tool for networking and job search.

5. YouTube:

Launched in 2005, YouTube is a sharing platform that empowers its users to upload, view, and comment on videos. In fact, this has been a sharing phenomenon for video in an extensive suite of content offerings, such as tutorials, vlogs, music videos, and educational content, making it one of the biggest search engines in the world.

These sites cater to diversified needs of users such as connection and professional networking, along with entertainment and information sharing

Review of Literature

Brown, & Green (2021) the researchers investigate the dual role of social media as a distraction and a reading enhancement tool. It analyzes studies that show declining deep reading skills and attention spans due to social media notifications.

Davis & Thompson (2023) this review focuses on the shift from print to digital reading formats due to social media influences. It examines how sharing platforms promote e-books and audiobooks, along with changes in reading habits and preferences.

Miller & Evans (2020) the research synthesizes research on social media's impact on literacy development, highlighting both positive effects on interactive reading experiences and negative influences on engagement with complex texts.

Taylor & Roberts (2023) the researchers examines how social media fosters new reading communities, focusing on platforms like Goodreads and bookstagram. It discusses the motivational aspects of community reading and the influence on reading preferences.

Smith & Jones (2022) the researchers explores how social media influence adolescents' engagement with reading. It discusses the rise of book recommendations and trends, examining how visual content affects reading choices and preferences.

These reviews cover various aspects of how social media affects reading habits, providing a comprehensive understanding of the topic.

Objectives

The following objectives have been framed for this study:

1. To identify the various types of social media platforms.
2. To examine the usage patterns of social media among students.
3. To assess the impact of social media on students' reading habits.

Hypothesis

1. There is a use of social media.
2. There is an impact of the social mediastudents.

Scope of the Study

The scope of the study is limited to the use of social media by students. The said study is the case study of S.J.M.S.M's Shri Bapusaheb V.C. Chaudhari Arts & Commerce Senior College, Khapar Dist. Nandurbar.

Data Analysis

Analysis of data is done on the basis of feedback collected from the students who study in S.J.M.S.M's Shri Bapusaheb V.C. Chaudhari Arts & Commerce Senior College, Khapar Dist. Nandurbar. The feedback collected from the students with the help of the questionnaire, as it is designed to understand whether they have exposed themselves to social networking sites or not. On the basis of analysis affecting to their response, research discovers the various usage patterns and implications for their reading performance and social interactions.

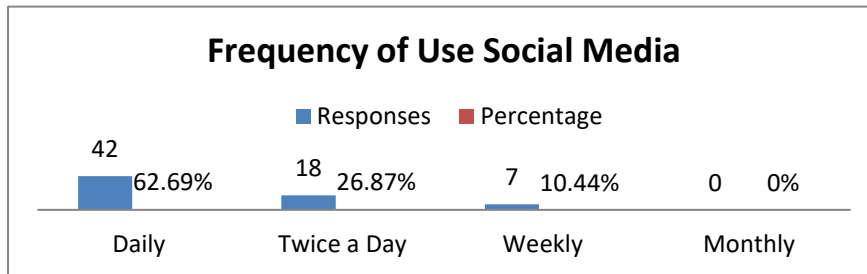
1. Frequency of use social media

Student use of social media has increased exponentially and transformed from being a tool adopted for purposes such as learning to become a habit that defines their lives. Students now find utility in social media for more than communication and research purposes but as a primary source of entertainment and relationships.

Table -1
Frequency of Use Social Media

Frequency of use social media	Responses	Percentage
Daily	42	62.69%
Twice a Day	18	26.87%
Weekly	07	10.44%
Monthly	0	0%
Total	67	100

Graph -1



The table no. 1. & graph no. 1 shows that the frequency of use of social media by the students. It is noted that from the above table and graph that 42 (62.69%) students use social media daily & 18 (26.87%) students use social media twice a day followed by 7 (10.44%) students used social media weekly. It shows that the majority 42 (62.69%) of the students use social media daily.

2. Time Spent in Social Media.

The researchers sought to understand the average daily time spent on social media. They aimed to analyze its effects on productivity and well-being, hoping to gain insights into the balance between online engagement and real-life interactions.

Table No. 2. Time spent

Daily average time spent	Responses	Percentage
Less than 1 hour	07	10.45
1-2 hours	16	23.89
3- 4hours	39	58.20
4-6 hours	5	7.46
More than 6 hours	0	0
Total	67	100

The table no. 2 shows that the daily average time spent in social media. 07 (10.45%) students spent less than 1 hour daily in using social media, further it is noted that the 16 (23.89%) students spent 1 to 2 hours daily whereas 39 (58.20 %) students spent their time 3 to 4 hours daily in using social media, followed by 5 (7.46%) students spent their 4 to 6 hours daily in using social media. It is concluded that majority 39 (58.20%) of the students spent their 3 to 4 hours daily.

3. Impact of Social Media

The Information and Communication Technology (ICT) revolution has been the hallmark of the 21st century. They use social media for purposes of communication, study, and leisure. It has overdramatically influenced students' lives; it is both negative and positive. Social media encourages teamwork and provides easy access to information, giving more chances to learn. However, it has effects of distraction and mental stress on people. In a nutshell, social media deeply affects the students in multi-dimensional aspects.

Table no. 3. Impact of Social Media

Impact	Responses	Percentage
Distract reading	32	47.77
Disturb personal life	24	35.82
Read books on social media	07	10.44
Improve reading by social media	04	5.97
Total	67	100



The table no 3 shows that 32 (47.77%) students opinioned that the social media distract reading further 24 (35.85%) students opinioned that social media disturb personal life followed by 07 (10.44%) students opinioned that they read books on social media whereas 04 (5.97%) students opinioned that social media improve reading habit. It is concluded that majority 32 (47.77%) students distract reading from social media.

Conclusion

The above study on the impact of social media on the reading habits of tribal students at Arts & Commerce College Khapar marks the complex mutual stimulation that shapes digital engagement and literacy practices. Digital engagement, such as on social media, is complex because it connects diverse sources of reading material and organizes community discourse on literature. Findings indicated that the use of social media had a dual effect that brought about both positive and negative impacts among tribal students, hence calling for a balanced approach in the strategies involved in reading promotion. Effective integration of social media in reading promotion initiatives can be used by educators to harness its potential in inspiring the love of reading while mitigating distractions.

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Original Article

Philosophy as a Guiding Force in the Vision of Viksit Bharat 2047

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This paper examines philosophy as a guiding force in the vision of Viksit Bharat @2047, which aims to make India a fully developed nation by its 100th year of Independence. The study focuses on the role of philosophical thought in shaping ethical governance, inclusive development, sustainable growth, and value-based education. It highlights how Indian philosophical traditions and modern thinkers provide moral direction to economic, social, and educational policies. Using a conceptual and analytical approach, the paper reviews ideas related to social harmony, justice, dignity, self-reliance, and environmental ethics. The findings show that development without strong philosophical foundations can lead to inequality and imbalance. The study concludes that philosophy is essential for ensuring people-centered, ethical, and sustainable development. A value-oriented philosophical framework is necessary to achieve balanced progress and long-term national well-being by 2047.

Key Words: Viksit Bharat, philosophy, sustainable growth, economic growth, ethical governance, ethical forms.

Introduction

Viksit Bharat @ 2047 refers to India's long-term national vision to become a fully developed nation by the year 2047, marking 100 years of Independence. This vision does not only focus on economic growth, but also includes social justice, quality education, good health, environmental sustainability, and strong democratic institutions. It aims at improving the quality of life of all citizens by ensuring inclusive and balanced development. The scope of Viksit Bharat 2045 is wide, as it connects economic progress with human development, ethical governance, and cultural strength. It recognizes that development must be people-centred and value-oriented, not only driven by material achievements (NITI Aayog, 2021). To achieve the goals of *India @2047*, the Government of India is working actively across all sectors of the economy. Under this vision, initiatives such as rapid economic growth, *make in India*, *Startup India*, development of basic infrastructure, *Digital India*, *Swachh Bharat Abhiyan*, and *Atmanirbhar Bharat* have strengthened economic stability and expanded employment opportunities. Today, the quality of education and access to education have improved significantly. India has made notable progress in information technology, biotechnology, and space research. Large-scale investments have strengthened India's transportation, energy, and communication systems, making them more robust and efficient. (Vimlesh Singh, 2025). Along with these developmental initiatives, philosophical thought also plays an important role by providing ethical guidance, social values, and a moral vision that shape the direction and purpose of India's progress toward its goals. A national vision like Viksit Bharat 2045 needs strong philosophical foundations because philosophy provides direction, meaning, and values to development goals. Without a clear value base, development may become mechanical and unequal. Philosophy helps in defining what kind of society a nation wants to build and what values should guide policies and institutions. Indian philosophy has always emphasized harmony, duty, justice, and welfare of all. Thinkers like Mahatma Gandhi and Swami



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Vivekananda stressed that true development must combine material progress with moral and spiritual growth (Gandhi, 1938; Vivekananda, 1897/2016). Therefore, philosophy acts as a guiding force in shaping a balanced and humane national vision. Philosophy, values, and long-term development are closely connected. Philosophy shapes values, and values guide human actions, institutions, and policies. Long-term national development cannot be sustained without ethical values such as justice, equality, responsibility, and respect for human dignity. In the present time, rapid economic growth often ignores moral concerns, leading to inequality, environmental damage, and social conflict. The problem addressed in this study is the lack of clear philosophical grounding in development discourse. This study is significant because it highlights how philosophical thinking can guide the vision of Viksit Bharat 2045 towards ethical, inclusive, and sustainable development, ensuring progress that benefits present and future generations.

Objectives of the Study

1. To understand the role of philosophy in shaping the vision of Viksit Bharat @2047.
2. To study the contribution of Indian philosophical traditions to national development.
3. To examine the ethical foundations required for inclusive and sustainable development.
4. To analyse the role of education and social philosophy in nation building.
5. To highlight the importance of economic philosophy for balanced and self-reliant growth.

Conceptual Framework: Philosophy and Nation Building

Philosophy is the systematic study of fundamental questions related to life, knowledge, values, truth, and reality. It helps human beings to think deeply about the meaning and purpose of existence and social life. The nature of philosophy is reflective, critical, and value-oriented. Unlike science, which focuses on facts and techniques, philosophy focuses on understanding why certain goals are important and how human actions should be guided. In the context of nation building, philosophy provides the basic ideas that shape collective thinking, moral standards, and long-term goals. Indian philosophical traditions such as Vedanta, Buddhism, and Gandhian thought have emphasized truth, duty, harmony, and human welfare, which continue to influence social and national life. Thus, philosophy acts as an intellectual foundation that helps societies move beyond short-term interests toward sustainable and meaningful development (Radhakrishnan, 1951).

Throughout history, philosophy has played a crucial role in shaping civilizations and societies. Civilizations grow strong not only through material progress but also through shared values, beliefs, and ethical principles. Philosophical ideas influence social institutions such as education, law, governance, and culture by defining what is considered right, just, and desirable. For example, ideas of justice, equality, cooperation, and responsibility are rooted in philosophical thinking and later reflected in social policies and institutions. In Indian society, philosophical concepts like Dharma and Sarvodaya promoted social harmony and collective welfare. Philosophy also guides political thought by shaping ideas about power, rights, duties, and governance, while in the economic sphere it influences views on equity, human dignity, and inclusive growth. In this way, philosophy connects ethical, social, political, and economic dimensions into a unified vision of development (Gandhi, 1960).

Philosophy serves as a source of vision, direction, and purpose for nation building. A nation without a philosophical base may achieve economic growth, but such growth may lack moral balance and social justice. Philosophy helps nations define long-term goals that go beyond material success and focus on human development, social harmony, and ethical governance. It provides direction by guiding policy choices and institutional practices toward values such as sustainability, inclusiveness, and human dignity. It also gives purpose by reminding society that development should improve the quality of life for all citizens. In the vision of a developed nation, philosophy acts as a guiding force that aligns knowledge, technology, governance, and culture with ethical values and national aspirations. Therefore, philosophy is not abstract or impractical; it is a necessary foundation for meaningful and balanced nation building.

Philosophical Traditions and Development Thoughts Rooted

Indian philosophical traditions have long provided ideas that support balanced and humane development. The Vedic and Upanishadic texts emphasize harmony between human beings, nature, and society. They promote the idea that individual life should be guided by duty (Dharma) and oriented toward collective welfare rather than selfish gain. The Upanishads stress inner discipline, moral awareness, and the unity of all life, which are essential for social harmony and sustainable development. Concepts such as Karma highlight responsibility for one's actions, while Lokasangraha stresses working for the welfare of society as a whole. The idea of Vasudhaiva Kutumbakam the world as one family encourages cooperation, inclusiveness, and global responsibility. Together, these ideas present development not merely as economic growth, but as ethical progress that ensures dignity, balance, and well-being for all sections of society (Radhakrishnan, 1951). Modern Indian thinkers further strengthened the link between philosophy and developmental thought. Mahatma Gandhi's philosophy of truth (Satya), non-violence (Ahimsa), and self-reliance (Swadeshi) offered a moral framework for development rooted in simplicity, decentralization, and social justice. Gandhi believed that true development must uplift the weakest and promote moral strength along with material progress. Swami Vivekananda emphasized character building, education, and service to humanity as the foundation of national regeneration. Rabindranath Tagore highlighted freedom of thought, creativity, and harmony between culture and nature. Dr. B. R.



Ambedkar contributed a strong ethical and social vision centered on equality, justice, and human dignity, especially for marginalized communities. His emphasis on constitutional values and social reform shows that development must be inclusive and rights-based. Together, these thinkers provide a rich philosophical base that guides India's developmental vision toward ethical, social, and human-centered progress.

Ethical Foundations of Viksit Bharat @2047

Ethical values are central to the vision of Viksit Bharat @2047, because national development is meaningful only when it is guided by morality. Moral values in governance and public life help ensure that power is used in the interest of society. Ethical governance promotes honesty, transparency, and fairness in public decision-making. When administrators and leaders act ethically, citizens develop trust in democratic institutions. Indian policy discussions and governance studies clearly highlight that ethical leadership strengthens democracy and improves public welfare outcomes. Therefore, moral conduct in public life is a basic requirement for achieving the long-term goals of Viksit Bharat @2047. Justice, equality, dignity, and inclusiveness are key ethical principles for building a developed and harmonious nation. Justice ensures fair treatment under law, while equality provides equal opportunities to all citizens. Dignity recognizes the inherent worth of every individual, and inclusiveness ensures that development reaches all sections of society. Development reports in India have shown that social inequality weakens national progress and creates social unrest. Ethical commitment to inclusive growth helps reduce disparities and promotes social unity, which is essential for achieving sustainable national development by 2047 (NITI Aayog, 2022).

Responsibility, integrity, and accountability play a vital role in strengthening institutions and public systems. Responsibility means performing duties with sincerity, while integrity reflects honesty and moral consistency in actions. Accountability ensures that authorities remain answerable for their decisions and use of public resources. Studies in governance and public policy indicate that accountability mechanisms improve efficiency and reduce corruption. For Viksit Bharat @2047, responsible citizenship and accountable institutions are necessary to ensure effective implementation of policies and long-term national goals (OECD, 2017). Ethics forms the backbone of sustainable development by balancing economic growth with social justice and environmental protection. Sustainable development requires moral responsibility toward future generations. Ethical thinking encourages careful use of natural resources and promotes human well-being along with progress. International development frameworks emphasize that development without ethics leads to exploitation and environmental degradation. Therefore, for the vision of Viksit Bharat @2047, ethics must guide policy formulation, governance practices, and individual behavior to ensure balanced, humane, and lasting development (United Nations, 2015).

Philosophical Education for Viksit Bharat

Education plays a very important role in building a developed India because it is not only about gaining knowledge but also about forming character and values. Education helps learners develop honesty, discipline, empathy, and respect for others. Indian educational thought has always emphasized value-based learning along with intellectual growth. When education focuses on character building, students learn to act responsibly in personal and social life. Research in education clearly shows that value-oriented education creates socially responsible citizens and strengthens national unity. Therefore, for a developed India, education must shape moral character along with academic achievement (NCERT, 2021). The integration of ethics, critical thinking, and life skills is essential to prepare students for real-life challenges. Ethical education helps learners distinguish between right and wrong, while critical thinking develops the ability to question, analyze, and make informed decisions. Life skills such as communication, cooperation, and problem-solving enable students to contribute effectively to society. The National Education Policy 2020 reflects strong philosophical foundations by promoting holistic, multidisciplinary, and learner-centered education. It emphasizes ethical values, constitutional spirit, and active citizenship. Through such an approach, education becomes a powerful tool for creating enlightened, responsible, and socially committed citizens who can contribute meaningfully to the vision of a developed India.

Social Philosophy and Inclusive Development

Social philosophy gives the base for social harmony and unity in diversity, which is a unique strength of Indian society. India is made up of many languages, religions, cultures, and traditions, yet it has survived as one nation because of shared values like tolerance, coexistence, and mutual respect. Philosophical ideas such as *sarva dharma sambhava* and respect for pluralism support peaceful living among different groups. Social harmony does not mean sameness; it means accepting differences while working together for common goals. When development policies respect diversity and promote cooperation, social unity becomes stronger. Indian social thinkers have clearly stated that unity in diversity is not a weakness but a moral strength that supports national development (Parekh, 2000).

Addressing inequality, poverty, and marginalization is a central concern of social philosophy and inclusive development. Inequality in income, education, health, and opportunities creates social imbalance and weakens democracy. Poverty and marginalization are not only economic problems but also social and moral issues. Philosophical approaches to development argue that growth must reach the poorest and most disadvantaged sections of society. Government reports in India show that targeted welfare schemes, access to education, and social security



measures help reduce inequality, but gaps still remain. Social philosophy demands that development policies focus on fairness, access, and human welfare, not only on economic growth (NITI Aayog, 2018).

Gender justice, social inclusion, and human dignity are essential elements of an inclusive society. Gender inequality limits the participation of women in education, employment, and decision-making, which affects overall development. Social inclusion means giving equal respect and opportunities to women, minorities, persons with disabilities, and marginalized communities. Human dignity ensures that every individual is treated with respect and has a voice in society. Community participation and collective responsibility strengthen inclusive development by involving people in decision-making and local action. When communities take shared responsibility, development becomes people-centered and sustainable. Social philosophy strongly supports participatory development as a moral duty of both the state and citizens (UNDP, 2020).

Economic Philosophy for Sustainable Development

Economic philosophy stresses the need to balance material progress with human welfare. Development cannot be measured only by income or industrial growth. Human well-being, health, education, and social security are equally important. Indian and global development thinkers have clearly stated that growth without welfare increases inequality and social tension. A balanced approach ensures that economic progress improves the real quality of life of people, especially the poor and vulnerable. Such balance is essential for long-term and stable national development (Sen, 1999). Indian philosophical thought gives clear guidance on wealth, work, and welfare. Wealth (artha) is accepted as a necessary part of life, but it must be earned through honest work and used responsibly. Work is seen as duty and social contribution, not only as a means of income. Welfare is understood as collective well-being rather than individual gain. This approach supports dignity of labour, ethical economic behavior, and shared responsibility, which are important for a healthy and just economic system. Sustainable development is closely linked with environmental ethics. Indian traditions emphasize harmony between human beings and nature. Natural resources are not meant for unlimited exploitation. Development that harms the environment creates serious problems for future generations. Environmental ethics promote conservation, balanced use of resources, and respect for ecological limits. Sustainable growth is possible only when economic planning includes environmental responsibility and long-term thinking (Ministry of Environment, Forest and Climate Change [MoEFCC], 2019).

Self-reliance, or Atmanirbhar Bharat, is a philosophical ideal rooted in self-effort, confidence, and social responsibility. It encourages strengthening local production, skills, and innovation while remaining connected to the global economy. Self-reliance does not promote isolation but reduces harmful dependence. The Government of India has clearly linked Atmanirbhar Bharat with inclusive growth, ethical entrepreneurship, and national responsibility, making it both an economic and moral vision for development (Government of India, 2020).

Conclusion

The vision of Viksit Bharat @2047 is not only about economic growth but about building a just, inclusive, and humane society. This paper shows that philosophy provides the moral base and direction for national development. Philosophical values such as justice, equality, responsibility, and human dignity help guide policies, institutions, and social behaviour. Without these values, development may become unequal and harmful. Therefore, philosophy acts as a guiding force that gives meaning and purpose to India's long-term national vision.

Indian philosophical traditions offer rich ideas for balanced development. Concepts like Dharma, Lokasangraha, Sarvodaya, and human dignity promote social harmony, ethical governance, and collective welfare. Thinkers such as Gandhi, Vivekananda, Tagore, and Dr. B. R. Ambedkar showed that true development must include moral strength, social justice, and respect for human rights. Their ideas remain highly relevant for addressing present challenges such as inequality, marginalisation, and ethical decline in public life.

In conclusion, achieving Viksit Bharat @2047 requires integrating philosophy with education, governance, economy, and social life. Education must build character and values, governance must be ethical and accountable, and economic growth must be sustainable and people-centred.

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Original Article

Indian English Literature and Nation's Future towards 2047

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Indian English Literature has played a key role in shaping India's social and cultural life. This paper examines its growth and contribution to national consciousness, ethical values, and social awareness. It discusses how literature addresses social justice, caste, gender, unity in diversity, and democratic ideals. The study also links literature with India's vision towards 2047 by focusing on inclusive development, education, environmental responsibility, and global citizenship. It argues that Indian English Literature continues to guide ethical thinking and helps imagine a just and inclusive future for India.

Keywords: Indian English Literature, National Growth, Vision 2047, Social and Moral Development, Social Justice, Social Awareness.

Introduction

Indian English Literature is an important part of India's cultural and intellectual life. It refers to literary works written in English by Indian writers who reflect Indian realities, experiences, and concerns. From its early phase during colonial rule to its contemporary global presence, Indian English Literature has grown as a serious medium of expression. Scholars like K. R. Srinivasa Iyengar have clearly shown that Indian English writing is not an imitation of British literature but a creative response to Indian life, history, and society (Iyengar). Through novels, poems, essays, and plays, Indian writers have addressed social injustice, identity, freedom, moral values, and national unity. As a result, Indian English Literature has become closely connected with the nation's social and cultural development. Nation-building is not limited to economic growth or political power. It also involves shaping the values, attitudes, and moral vision of society. In the Indian context, nation-building means creating a just, inclusive, and democratic society while respecting cultural diversity. The future vision of India towards 2047, the centenary year of Independence, emphasizes development with equality, social harmony, and responsible citizenship. Official national discussions highlight education, ethical governance, social justice, and cultural confidence as key goals for this future. Literature plays a silent but powerful role in this process because it shapes public thought and questions unjust social structures. As Jawaharlal Nehru observes in *The Discovery of India*, ideas, culture, and imagination are central to understanding the soul of a nation. Indian English Literature has consistently engaged with issues that are central to social and national development. Writers have examined caste discrimination, gender inequality, poverty, communal tension, and the struggle for identity in a changing society. Meenakshi Mukherjee points out that Indian novels in English have always responded to social realities rather than escaping from them (Mukherjee). By giving voice to marginalized communities and questioning dominant power structures, literature contributes to social awareness and reform. It also preserves cultural memory and promotes dialogue between tradition and modernity, which is essential for balanced national growth. The connection between literature and national development can also be understood through its role in shaping collective identity.



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Literature helps people imagine the nation as a shared space of experiences and responsibilities. Benedict Anderson's idea of the nation as an "imagined community" helps explain how cultural texts contribute to national consciousness, though Indian literature does this in a unique and diverse way (Anderson). Indian English writers do not present a single national story; instead, they reflect multiple voices, regions, and identities. This plurality strengthens democratic thinking and supports the vision of an inclusive India.

Purpose of the Study

The purpose of this paper is to examine how Indian English Literature contributes to the idea of nation-building and how it remains relevant to India's future vision towards 2047. The study focuses on the social, cultural, and moral concerns reflected in literary texts and their role in shaping national consciousness. The scope of the paper is limited to major trends, themes, and critical perspectives rather than detailed textual analysis of individual works. By linking literature with national goals, this paper attempts to show that Indian English Literature is not only a record of the past but also a guide for imagining India's future.

Methodology

This research study followed descriptive content analysis method, followed by close reading of Indian English Literature and History of Indian English Literature to identify the key terms. Analysis and discussion is made following related texts and works of Indian authors. The study also used secondary sources like articles, books, journals, periodicals and other related material to support the interpretation.

Conceptual Framework

The idea of a nation goes beyond territory, political power, or administration. A nation is formed through shared history, cultural traditions, social values, and collective experiences. In the Indian context, national identity is closely linked with diversity, where many languages, religions, and social groups exist together. Indian thinkers have long argued that unity in India does not mean sameness but mutual respect and coexistence. Jawaharlal Nehru, in *The Discovery of India*, explains that India is a living civilization shaped by cultural continuity and social change. National identity develops when people understand their past, recognize present challenges, and feel responsible for the future of the country. The vision of *Viksit Bharat @ 2047*, which marks one hundred years of Independence, reflects this broader understanding of nationhood. It aims at inclusive development, social justice, quality education, ethical values, and cultural confidence, rather than only economic growth. This vision demands a conscious and value-based national identity that supports equality, democracy, and human dignity, and such an identity cannot grow without cultural and literary engagement. Literature plays a vital role in shaping national consciousness by reflecting social reality and guiding moral thinking. Indian English Literature has consistently engaged with issues such as freedom, identity, social inequality, caste discrimination, gender justice, and ethical responsibility. K. R. Srinivasa Iyengar points out that Indian English writing grows out of Indian life and responds to national concerns rather than imitating Western models. Literature works as a mirror of society by showing its conflicts, failures, and hopes, while at the same time it acts as a guide by promoting values like tolerance, compassion, and social responsibility. Meenakshi Mukherjee observes that Indian novels in English are deeply rooted in social realism and moral questioning. By presenting multiple voices and lived experiences, literature helps people imagine the nation as a shared space of responsibility and belonging. In this way, Indian English Literature supports the cultural and moral foundations necessary for India's journey towards 2047.

Growth of Indian English Literature

The growth of Indian English Literature began during the colonial period, when English education was introduced by the British. The famous *Minute on Indian Education* by Thomas Babington Macaulay supported the use of English as a medium of learning, which unintentionally created a class of Indians who could express their ideas in English. Early Indian English writers used the language to engage with Indian social life, reform, and cultural identity. Writers like Raja Rammohan Roy and later Bankim Chandra Chattopadhyay used English as a tool to respond to colonial dominance and to express Indian concerns. This phase was marked by imitation of British literary forms, but the themes remained deeply Indian. The post-Independence phase brought a major shift in Indian English Literature. With political freedom achieved in 1947, writers began to focus on social realities, national identity, and the challenges of a newly independent nation. Mulk Raj Anand, R. K. Narayan, and Raja Rao portrayed Indian life with realism and moral concern. Raja Rao, in the preface to *Kanthapura*, clearly states that English must be adapted to express the Indian experience. During this period, literature became a space for questioning social injustice, caste oppression, and the gap between Gandhian ideals and lived reality.

Contemporary Indian English Literature reflects a more complex and globalized India. Writers deal with urban life, migration, gender issues, economic change, and cultural conflict. Salman Rushdie, in *Imaginary Homelands*, discusses how postcolonial writers use English creatively to tell stories shaped by memory, history, and displacement. Although writing from a global position, Rushdie's ideas help explain how Indian English Literature moved from national concerns to transnational experiences. English became a flexible medium to express hybrid identities shaped by both local and global influences. Over time, the major concerns of Indian English Literature have changed from colonial resistance to questions of identity, freedom, democracy, and globalization. Literature has reflected debates on



individual freedom, democratic values, and social inequality. Cultural critics like Raymond Williams argue that literature must be understood in relation to social change and lived experience, a view that helps explain the evolving themes in Indian writing in English. Today, Indian English Literature continues to respond to social transformation while remaining connected to national and ethical concerns, showing its ongoing relevance in India's cultural growth.

Reflection of National Consciousness in Literature

Indian English Literature has played an important role in creating awareness about social justice. Many writers have used literature to expose poverty, exploitation, and inequality present in Indian society. Mulk Raj Anand's novels, especially *Untouchable*, strongly highlight social injustice and the inhuman treatment of the oppressed. His writing reflects Gandhian concern for human dignity and equality. Through such works, literature questions unfair social systems and encourages readers to think about justice and responsibility within the nation.

Issues of caste, gender, and marginal voices occupy a central place in Indian English Literature. Writers like Bama, Arundhati Roy, and Mahasweta Devi have given voice to those who were traditionally silenced. Arundhati Roy's *The God of Small Things* exposes caste discrimination and gender injustice within everyday social life. Meenakshi Mukherjee observes that Indian English fiction often focuses on lived experience rather than abstract ideas, which makes these voices powerful and authentic. Such writing strengthens national consciousness by demanding equality and inclusion. The idea of unity in diversity is another important aspect reflected in Indian English Literature. Writers like R. K. Narayan present ordinary Indian life with cultural variety, regional specificity, and human warmth. His fictional town of Malgudi represents a small but inclusive Indian world where different traditions coexist. Jawaharlal Nehru's idea of India as a composite culture finds literary expression in such narratives. Literature helps readers understand that national unity grows through acceptance of differences, not by denying them.

Major Indian English writers have collectively shaped national consciousness through their creative engagement with Indian reality. Raja Rao explored spiritual and cultural identity, while Anita Desai examined psychological and emotional dimensions of modern Indian life. According to K. R. Srinivasa Iyengar, these writers adapted the English language to express Indian thought and experience. Their contribution lies not only in storytelling but also in shaping how Indians understand themselves as a nation. Through varied voices and themes, Indian English Literature continues to nurture democratic and inclusive national thinking.

Literature: A Tool of Social and Moral Development

Literature has always been a powerful means of developing ethical values in society. Indian English Literature, in particular, has focused on moral responsibility, truth, compassion, and respect for human dignity. Many writers use ordinary characters and everyday situations to raise ethical questions rather than giving direct moral lessons. Mulk Raj Anand's fiction highlights the moral failure of social systems that allow exploitation and humiliation of the weak. His concern is not only social reform but also ethical awakening. Similarly, R. K. Narayan's novels quietly emphasize honesty, humility, and personal responsibility through simple narratives. Such writing helps readers reflect on their own moral choices and understand that ethical values are essential for a healthy society and nation. Humanism and tolerance are central to the moral vision of Indian English Literature. Humanism places human dignity, empathy, and mutual respect at the center of social life. Writers like Raja Rao and Anita Desai explore the inner lives of individuals and show how emotional understanding is necessary for social harmony. Raja Rao's works connect spiritual humanism with social responsibility, while Anita Desai highlights emotional isolation and the need for empathy in modern life. Rabindranath Tagore's idea of universal humanism, though expressed across languages, strongly influences Indian English writing. Literature thus encourages tolerance by helping readers see life from different perspectives, reducing prejudice and promoting coexistence in a diverse society like India. Literature also supports cultural harmony and democratic ideals by encouraging dialogue, questioning authority, and respecting diversity. Indian English Literature reflects India's plural culture and challenges rigid social hierarchies that threaten harmony. Writers present conflicts related to caste, class, gender, and religion, not to divide society but to promote understanding and reform. Jawaharlal Nehru believed that democracy depends on an informed and ethically conscious citizenry, and literature contributes to this awareness by nurturing critical thinking. By defending freedom of expression, equality, and social justice, literary works strengthen democratic values. In this way, Indian English Literature does not merely entertain but actively participates in shaping a morally aware, tolerant, and democratic society.

Indian English Literature and Vision Viksit Bharat@2047

The vision of India @ 2047 emphasizes inclusive development, where progress reaches all sections of society. Indian English Literature has long addressed inequality related to caste, class, gender, and region, making it closely aligned with this goal. Writers like Mulk Raj Anand, Arundhati Roy, and Amitav Ghosh highlight the lived realities of marginalized communities and expose structures of exclusion. Such literature supports inclusive thinking by encouraging empathy and social responsibility. Contemporary policy discussions in India, including those by NITI Aayog, stress that development must be people-centered and inclusive. Literature strengthens this vision by reminding readers that true development cannot ignore human dignity and social justice.



Education and awareness are central to the national vision of 2047, and literature plays a vital role in this process. Literary texts encourage critical thinking, ethical reflection, and social awareness, which are essential for an informed society. Indian English Literature has often questioned blind tradition, political power, and social injustice, thereby promoting intellectual independence. Paulo Freire's idea that education should create critical consciousness helps explain literature's role in awareness-building, though Indian writers have practiced this much earlier through storytelling and social realism (Freire). By engaging readers emotionally and intellectually, literature complements formal education and supports the creation of thoughtful and responsible citizens.

Environmental responsibility has emerged as a major concern in recent decades, and Indian English Literature has responded strongly to this challenge. Writers like Amitav Ghosh and Arundhati Roy connect environmental destruction with issues of development, capitalism, and social inequality. Ghosh's *The Great Derangement* criticizes modern society's failure to address climate change seriously and highlights the role of culture and imagination in environmental awareness. These concerns align with global and national goals of sustainable development, including India's commitment to environmental protection. Literature helps readers understand environmental crises not as abstract problems but as human and ethical issues connected to the future of the nation.

Indian English Literature also supports the idea of global citizenship while remaining rooted in national concerns. Contemporary writers address migration, cultural exchange, and global inequality, reflecting India's place in an interconnected world. Martha Nussbaum argues that global citizenship requires empathy, ethical responsibility, and respect for human rights, values that literature helps cultivate (Nussbaum). At the same time, Indian English Literature shapes the mindset of young readers by encouraging leadership based on justice, tolerance, and moral courage. By presenting complex social realities and ethical dilemmas, literature prepares future leaders to think beyond narrow interests and contribute meaningfully to India's journey towards 2047.

Conclusion

Indian English Literature has grown along with the nation and has always remained closely connected with Indian social and cultural life. From its early beginnings during the colonial period to its present global presence, it has reflected the struggles, hopes, and values of Indian society. Writers have used literature to question injustice, highlight moral concerns, and represent the diverse voices of the nation. In this way, Indian English Literature has contributed to the growth of national consciousness and ethical awareness.

The discussion shows that literature is not only a record of social reality but also a guide for moral and cultural development. By addressing issues of caste, gender, identity, democracy, and environment, Indian English Literature encourages humanism, tolerance, and social responsibility. It supports inclusive thinking and helps readers understand the importance of unity in diversity. Literature thus strengthens democratic values and promotes cultural harmony in a changing society. Looking towards India's vision for 2047, Indian English Literature remains highly relevant. It supports the goals of inclusive development, education, environmental awareness, and global citizenship by shaping the mindset of young readers and future leaders. By nurturing ethical values and critical thinking, literature helps imagine a just and humane future. Therefore, Indian English Literature continues to play an important role in guiding India's journey towards a developed and inclusive nation by 2047.

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Original Article

Existential Philosophy and the Theatre of the Absurd: A Reading of Waiting for Godot

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Present research article examines Samuel Beckett's *Waiting for Godot* as the seminal dramatic expression of existential philosophy within the Theatre of the Absurd. Through an analysis of its structure, dialogue, and character dynamics, the paper argues that Beckett's play transcends mere thematic exploration to performatively embody the central tenets of existential thought. It demonstrates how the play stages the human confrontation with a meaningless universe, the anguish of radical freedom, the subsequent retreat into bad faith, and the collapse of language and memory as systems for creating coherence. The analysis further posits that the play's revolutionary form its cyclical repetition, minimalist staging, and subversion of dramatic convention is itself a philosophical argument, mirroring the absurd condition it depicts. Ultimately, the article concludes that waiting for Godot locates a paradoxical form of meaning in the stubborn, collaborative act of perseverance, presenting endurance as the only authentic response to an indifferent cosmos.

Keywords: Existentialism, Absurd, Samuel Beckett, *Waiting for Godot*, Bad Faith, Meaninglessness, Dramatic Form, Phenomenology, Language

Introduction

The post-World War II era precipitated a profound cultural and philosophical reckoning with themes of alienation, purposelessness, and the collapse of traditional value systems. This intellectual climate found parallel expression in two significant movements: existential philosophy, as articulated by Jean-Paul Sartre and Albert Camus, and the Theatre of the Absurd. Samuel Beckett's *Waiting for Godot* (1953) stands at the confluence of these movements. This article contends that the play operates as a piece of performance philosophy, staging the existential predicament with such formal and textual precision that the audience is made to *experience* the absurd. By examining the play through four interconnected points the metaphysical structure of waiting as an absurd paradigm, the dynamics of freedom and bad faith in human relationships, the failure of language and memory, and the philosophical implications of its dramatic form this analysis will elucidate how Beckett's masterpiece remains the most potent theatrical articulation of existential anxiety and the fragile strategies of human endurance.

Waiting as the Dramatization of the Absurd Condition

The central, defining action of *Waiting for Godot* is inaction—the perpetual, deferred anticipation of a figure who never arrives. This simple premise becomes a complex metaphor for the existential condition as defined by Albert Camus, who described the absurd as the confrontation between humanity's need for meaning and "the unreasonable silence of the world" (Camus 28). Vladimir and Estragon embody this confrontation. Their entire existence is organized around the anticipated arrival of Godot, a figure who embodies the external purpose or salvation they crave. Their waiting is not an activity but a state of being, an ontological condition. The promised arrival "surely to-morrow," as the boy consistently reports creates a cycle of hope and deferral that traps them in a perpetual present (Beckett 39).

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Their dialogue constantly circles this empty centre. “Nothing to be done,” Estragon’s opening line, resonates as a metaphysical statement, establishing a universe of futility (Beckett 1). The tree, the single landmark, is a pathetic symbol in a featureless landscape, and their vigil beneath it becomes a parody of religious faith. Pozzo and Lucky serve as grotesque foils, presenting alternative but equally bankrupt responses to the absurd. Pozzo’s performative mastery and desperation for recognition reveal an identity contingent on an audience, while Lucky’s chaotic “think” monologue represents the mind’s collapse under the strain of seeking coherent meaning. Pozzo’s reduction in Act II to a blind, helpless figure who can only declare, “One day I went blind, one day we’ll go deaf, one day we were born, one day we shall die” (Beckett 57), strips existence down to a sequence of random events, the very essence of an absurd universe devoid of narrative or moral order.

Freedom, Dependency and the Mechanics of Bad Faith

The play offers a profound exploration of existential freedom and the pervasive human retreat into “bad faith” (*mauvaise foi*), a concept central to Jean-Paul Sartre’s philosophy. Sartre posits that humans are “condemned to be free,” burdened with the terrifying responsibility of creating their own essence through choices (Sartre 623). Vladimir and Estragon’s relationship is a masterful study in collaborative bad faith. They use each other as a primary alibi to avoid authentic choice and the loneliness of individual responsibility. Their bond is characterised by a symbiotic dependence laced with resentment, a contradiction perfectly captured in Vladimir’s anguished command: “Don’t touch me! Don’t question me! Don’t speak to me! Stay with me!” (Beckett 40).

Their togetherness is a mutual construction that relieves each of the burden of facing the void alone. Even the act of suicide, the potential ultimate assertion of one’s freedom, is rendered a farcical, contingent game, evaded through trivial logistical debate. Their days are filled with invented rituals the examination of boots, the swapping of hats which create the illusion of activity while preventing any genuine, world-altering project. The figure of Godot represents the ultimate repository of their bad faith. By investing their hope for meaning in this external authority, they willingly surrender their freedom, choosing to be passive recipients rather than active creators of their own purpose. In this, they exemplify a refusal of the “anguish” of freedom that, for Sartre, is the necessary corollary of authentic existence.

The Collapse of Language and Memory

In *Waiting for Godot*, the very tools humans use to construct reality language and memory are shown to be faulty and collapsing. Beckett dramatizes the failure of signification, presenting a world where words lose their connective power and the past evaporates. Dialogue does not facilitate connection but often highlights alienation. Conversations are fragmented, circular, and frequently abortive.

“That’s the idea, let’s contradict each other,”

Vladimir suggests, to which Estragon flatly replies,

“Impossible” (Beckett 41).

Their communication is a series of non-sequiturs and silences, demonstrating how language has become a ritual for passing time. The most extreme manifestation of this linguistic collapse is Lucky’s “think.” Beginning with the semblance of logical argument, it disintegrates into a frantic, incoherent catalogue, a brutal parody of Western intellectual endeavour showing reason breaking down under the weight of the absurd. Equally compromised is the faculty of memory, which forms the bedrock of personal identity. Estragon’s chronic amnesia his constant inability to remember the previous day or their purpose severs the temporal continuity necessary for a stable self. “I’m not a historian,” he dismissively states (Beckett 14). This erosion of memory attacks the existential notion of the self as a project built cumulatively over time. If one cannot remember one’s commitments or actions, how can one possess a coherent essence? Their failed attempts to tell stories or recall history mirror the larger human failure to impose a coherent, meaningful narrative upon life itself.

Dramatic Form as Philosophical Argument

Beckett’s revolutionary dramatic form is not merely an innovative style but the very substance of its philosophical argument. His dramaturgy consciously dismantles Aristotelian conventions to create a structure that mirrors the existential condition, forcing the audience into a phenomenological experience of the absurd. The most striking formal feature is the cyclical, two-act structure. Act II meticulously repeats the pattern of Act I with only slight, degenerative variations. This is not narrative progression but stasis with decay, a theatrical embodiment of eternal recurrence as a source of despair.

As critic Vivian Mercier observed, it is a play were

“Nothing happens, twice” (Mercier 6).

This repetition deliberately frustrates the audience’s desire for climax and resolution, making them complicit in the endless waiting. The setting is a phenomenological reduction: “A country road. A tree. Evening” (Beckett 1). This is not a specific locale but an abstract, essentialised space of existence; the barren stage is a visual correlative to the metaphysical void. Every element of traditional drama is subverted. The play’s famous conclusion is the ultimate expression of this formal philosophy.

After declaring, “Yes, let’s go,” the stage direction reads:



“They do not move. Curtain.” (Beckett 60).

This gap between intention and action is the final, powerful image of existential paralysis. The experience of watching *Waiting for Godot* enduring its repetitions, sharing its tedium is a direct, felt lesson in absurdity. The form itself becomes the content, making the philosophical predicament palpable and immediate.

Conclusion

Waiting for Godot concludes without resolution, upholding its commitment to portraying existence as an open-ended question. Beckett offers no salvation or escapes from the waiting. Yet, within this bleak landscape, the play locates a paradoxical, minimal form of affirmation: the stubborn fact of perseverance. Vladimir and Estragon, despite their failings, continue. Their very decision to wait *together* constitutes a fragile act of meaning-making in the void a shared project. This aligns with Camus’s conclusion that “the struggle itself toward the heights is enough to fill a man’s heart. One must imagine Sisyphus happy” (Camus 123). *Waiting for Godot* stands not as a drama about existential philosophy but as existential philosophy rendered in pure dramatic form. Its enduring power lies in its unwavering honesty and its unique capacity to make an audience feel the weight of time, the silence of the cosmos, and the fragile, necessary bond of shared human presence. In the endless wait for Godot, Beckett discovered the perfect metaphor for the modern condition, and in the decision to keep waiting, he found the only meaning left available.

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Original Article

Study of density and viscosity of aqueous solution of alkali metal salt with 18-crown-6 at 308.15K.

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Molecular interaction of aqueous solution of alkali metal cation (Na^+ , K^+) with 18-crown-6 investigated at 308.15K to calculate the interaction complexation behavior and binding affinity of macrocyclic 18-crown-6 ether ligand. This investigation based on the selective host-guest complexation. It was carried out by measurement of density and viscosity. The experimental data of density and viscosity were used to evaluate excess parameters such as excess molar volume (V^E), viscosity deviation ($\Delta\eta$) apparent molar volume (ϕ_v), by providing insight into the cation selectivity of 18-crown-6. This investigation indicated a strong interaction towards potassium ion (K^+) with 18-crown-6, with optimal cavity size of crown ether, while smaller and larger size alkali metal cations exhibited weaker interaction. This investigation highlights the vital role of ionic size and host guest complexation in leading stability of complexes of 18-crown-6 ether. The binding sequence of aqueous solution of alkali metal cation with 18-crown-6 is - $\text{K}^+ > \text{Na}^+$

Keywords: Aqueous solution of alkali metal cations, viscosity, density, complexation, 18-crown-6, molecular interaction.

Introduction

First, crown compounds were published in 1967 by Pederson. [1] Crown ethers are macrocyclic ligand. [2] He discovered 18-crown-6 ether, which acts ligand and observed that, it from strong interaction with alkali and alkaline metal cations. [3] The nature of this problem to recline in understanding how a macrocyclic polyether like 18-crown-6 interacts selectively with various alkali metal cations at ambient temperature 298.15 and 308.15. [4] This selectively affected by factors not only size of holes, metal ion radius, nature of solvent but also nature of alkali metal ion and 18-crown-6 interaction. Even though extensive studies, the molecular recognition mechanism controlling crown ether interaction with alkali metal ions, especially under standard laboratory conditions, still it remain covered. [5-6] This investigation indicates that the alkali metal cation size and environment of hydration significantly affect on the strength of interactions with remarkable difference between binary and ternary liquid systems. [7] The hypothesis showing the study put forward that instructions between 18-crown-6 and alkali metal cations control the complexation process. [8] This research work demonstrate that 18-crown-6 ether exhibit a strong preference interaction for Na^+ ion in aqueous solution of various concentration. The smaller and larger alkali metal cations show weak interaction due to size mismatch with the size of cavities of the crown ether and different solvation behaviour. This investigation helps to understanding of alkali metal cations identification by 18-crown-6 ether at 298. 15K. These perceptions help to give logical design of crown ether-based ion-selective systems, chemical sensors and technology of separation. The interaction sequence of alkali metal cations with 18-crown-6 as $^{[5]} \text{K}^+ > \text{Na}^+$

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Experimental

• Source and purification

All chemicals used in the present research work were analytical reagent (AR) grade of minimum assay 99.9% obtained from spectrochem which used without further purification.

• Method: -

The binary liquid mixture of different known concentration of 18-crown-6 in water with aqueous solution of alkali metal salt (NaCl, KCl) were prepared in stopper glass bottles. The density of different concentration solution determined using bicapillary pycnometer. All measurement of mass performed on an electronic balance with an accuracy of $\pm 0.1\text{mg}$. The pycnometer and ubbelohde viscometer is calibrated with triple distilled water carbon tetrachloride and toluene as reference liquid [9]

Chemicals	Temp	Density		Viscosity	
		Literature	Calculated	Literature	Calculated
Water	298.15K	0.9970	0.9970	0.8900	0.8900
	308.15K	0.9940	0.9941	0.7191	0.7191
Carbon tetrachloride	298.15K	1.5867	1.5861	0.9010	0.8589
	308.15K	1.5989	1.5654	0.7928	0.8037
Toluene	298.15K	0.8623	0.8619	0.5733	0.5731
	308.15K	0.8550	0.8531	0.4662	0.4657

Theory and Calculation

Excess molar volume (V^E) calculated [10-11] as-

$$V^E = \left(\frac{x_1 M_1 + x_2 M_2}{\rho_{12}} \right) - \left(\frac{x_1 M_1}{\rho_1} \right) - \left(\frac{x_2 M_2}{\rho_2} \right) \dots \dots \dots (1)$$

Were,

M_1 , x_1 , ρ_1 and M_2 , x_2 , ρ_2 are molecular weight, Mole fraction and density of component (Crown ethers) and (one millimole aqueous solution of alkali metal salt) respectively of binary mixtures, and ρ_{12} is the density of binary mixture.

The viscosity deviation calculated by [12]

$$\Delta\eta = \eta_{12} - x_1\eta_1 - x_2\eta_2 \dots \dots \dots (2)$$

Were,

x_1 , η_1 and x_2 , η_2 are the mole fractions and dynamic viscosities of constituents 1 and 2 respectively of binary mixtures, η_{12} are the viscosity of binary mixtures.

The experimental value of density (ρ), viscosity (η) and calculated value of excess molar volume (V^E), viscosity deviation ($\Delta\eta$) values at various concentration range and at various temperature are reported in table 1 and 2.

Observation Tables

Table 1: Densities (ρ), Viscosities (η), Excess Molar Volumes (V^E) and Deviation in Viscosities ($\Delta\eta$) for the aqueous Solution of NaCl + 18-crown-6 ether system at 308.15K.

Temp	Conc.	X_1	ρ (gcm^{-3})	η (mPa s)	V^E ($\text{cm}^3 \text{mol}^{-1}$)	$\Delta\eta$	ϕ_v
308.15 K	0	1	0.9935	0.7377	0	0	18.1177
	0.00125	0.999977	0.9939	0.7668	-0.006115	0.02916	18.1116
	0.0025	0.999954	0.9941	0.7699	-0.008583	0.032233	18.1091
	0.005	0.999909	0.9943	0.7722	-0.009876	0.034566	18.1078
	0.01	0.999819	0.9945	0.7743	-0.008812	0.036733	18.1089

Table 2: Densities (ρ), Viscosities (η), Excess Molar Volumes (V^E) and Deviation in Viscosities ($\Delta\eta$) for the aqueous Solution of KCl + 18-crown-6 ether system at 308.15K.

Temp	Conc.	X ₁	ρ (gcm ⁻³)	η (mPas)	V ^E (cm mol ⁻¹)	Δη	Φ _v
308.15K	0	1	0.9937	0.7308	0	0	18.1141
	0.00125	0.999977	0.9943	0.7782	-0.009756	0.047416	18.1043
	0.0025	0.999954	0.9945	0.7823	-0.012224	0.051532	18.1018
	0.005	0.999909	0.9947	0.7861	-0.013518	0.055365	18.1005
	0.01	0.999819	0.9949	0.7898	-0.012461	0.059131	18.1016

Results and discussions:

During the investigation on the interaction of alkali metal cations (Na⁺, K⁺) with 18-crown-6 ether at 308.15K. The values of densities and viscosities increase steadily as the concentration of 18-crown-6 ether increases.

This shows that at higher concentration of crown ether in solution leads to a more interaction of alkali metal cations and increased resistance to flows. This suggesting that stronger interaction and complexation. The calculated data of excess molar volume (V^E) show that, as the concentration of 18-crown-6 increases, the excess molar volume values decrease up to a concentration 0.005 Molar after which it begins to slightly increase. This initial decrease can be attributed to the most favorable interactions and complexation of 18-crown-6 with alkali cations metal in the solution, resulting in efficient packing and reduced overall volume. After 0.005 Molar concentrations, further addition of 18-crown-6 appears to change the solution structure and increase the excess molar volume.^[10] from the table 1 and 2 the values of viscosity deviation increase with increasing the concentration of crown ether. This indicated that, non-ideal behavior in the solutions increases with 18-crown-6 concentration. Therefore, enhance the interaction and complexation between 18-crown-6 and alkali metal cations within the solution. The calculated values of apparent molar volumes in the table no 1 and 2 are found to decreases with increase in the concentration of 18-crown-6 ether. In higher concentration solution, there is probability of molecular association increase resulting to more compact structures that occupies less volume per mole. This also supporting evidences of strong 18-crown-6 interactions with alkali metal cations at higher concentration of crown ether solution. Thus, it means that there were involved complexation with alkali metal cations.^[11]

In this comparative research study, two alkali metal salts NaCl and KCl of some concentration [1 millimole] added in the various concentration of 18-crown-6 ether aqueous solution at the 308.15 K. The experimental data (table 1, 2) of viscosities (η), densities (ρ) and viscosity deviation (Δη) of the solutions decrease in the order,

NaCl < KCl

These trends can be indicated the strength of interaction Potassium ions (K⁺) have ionic size closely same as the cavity size of 18-crown-6 ether thus K⁺ from strong interaction and complexation with crown ether.^[12] However for excess molar volumes and apparent molar volume values from the table 1 and 2, the trends reverse NaCl > KCl. This also indicated that in the solution K⁺ has strong interaction & complexation between with 18-crown-6 ether leads to well organized and contracted molecular structure in the solution, resulting in decreased excess and apparent molar volumes.^[13]

Conclusion

The strength of the interaction and complexation of 18-crown-6 ether with aqueous solution of alkali metal ions at 298.15 and 308.15 K is,

KCl > NaCl

Therefore K⁺ > Na⁺

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Portrayal of Gender Issues in Gary Gilbert’s movie ‘The Kids are All Right’

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This research paper examines the portrayal of gender issues in The Kids Are All Right, produced by Gary Gilbert. The film presents a contemporary representation of a same-sex family and explores the complexities of gender identity, parenting, sexuality, and social norms in a rapidly changing global society. Through the characters of Nic and Jules, a married lesbian couple raising two children conceived through a sperm donor, the film challenges traditional notions of family structure, gender roles, and heteronormative expectations. The entry of the biological father into the family dynamic introduces tensions related to masculinity, authority, emotional validation, and social stereotypes. The study critically analyzes themes such as same-sex parenting, gender-based stereotypes, infidelity, gender discrimination, and the negotiation of equality within intimate relationships. By situating the film within broader socio-cultural and political discourses on gender equity and LGBTQ+ representation, the paper argues that the film reflects both the progress and persistent challenges surrounding gender justice in modern society. Ultimately, the film serves as a cultural text that contributes to ongoing discussions on gender equality, identity formation, and the redefinition of family in the twenty-first century.

Keywords: Gender Issues; Same-Sex Parenting; Gender Roles; Gender Equality; Gender Equity; LGBTQ+ Representation; Gender Discrimination; Family Dynamics; Stereotypes; Contemporary Cinema.

Introduction

The widespread of globalization gave birth to the enormous issues in the human life which not only changed the social strata of the human’s world, it led to the overall development of the human breed. Gender issues is one of those challenging starta which encompasses deep seated social, economic and political scenario, political disparities, changing status of women, changing bias of the cultural images of woman, social violence and unequal access to the resources, gender-based violence and social status of the humans. ‘The Kids Are All Right’ is an American comedy drama of Gary Gilbert which released in 2010. It deals with the issues of same-sex couple raising two teenagers. The film was awarded the Golden Globe Award for Best Motion Picture – Musical or Comedy and Annette Bening was awarded the Golden Globe Award for Best Actress – Motion Picture Musical or Comedy. The film also received four Academy Award nominations, including Best Picture, at the 83rd Academy Awards. As of 2024, it is the last film Cholodenko has directed. The present research paper aims to focus on the Portrayal of Gender Issues in Gary Gilbert’s ‘The Kids are All Right’

Gender Issues

Gender issues are defined as,

“Gender issues encompass the social, cultural, and economic inequalities, roles, and needs affecting individuals based on their gender”

Gender issues stem from societal, rather than biological, constructions of masculinity and femininity, often resulting in unequal access to resources, opportunities, and power, with women typically facing more disadvantages. Gender issues have been turning at the outmost of the humans and shaping the way of their life.

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These gender issues include **Gender**, Gender Inequality, Gender Equity, Gender Equality, Gender Roles, Gender-Based Stereotypes, Gender Discrimination etc. **These gender issues have captured the entire scene of the human life. They have been considered as the tool to examine how gender roles and relations affect the lives of men and women, often used to inform policy and development.**

Summary of the Movie, 'The Kids Are All Right'

Nicole 'Nic' and Jules Allgood a married lesbian couple living in the Los Angeles area. Nic is an obstetrician and Jules is a housewife who is starting a landscape design business. Each has given birth to a child using the same sperm donor. Nic and Jules' 16-year-old son Laser wants to find his biological father, but is too young to request that information from the sperm bank, so he asks his 18-year-old sister Joni to contact them. The sperm bank identifies Paul Hatfield, a restaurant owner, as the donor and shares his contact information. When the three meet, Joni is impressed by Paul's bohemian lifestyle, and Paul becomes enthusiastic about being in their lives. Joni swears her brother to secrecy as she does not want to upset their mothers. However, Jules and Nic find out and invite Paul over to dinner. When Jules reveals she has a landscape business, Paul asks her to transform his back garden. Jules agrees, although Nic does not like the idea. Paul is appreciative of Jules' talent, something that Jules feels she is lacking from Nic. After Jules impulsively kisses Paul one afternoon, they end up in bed together and start an affair. As Jules and the kids start spending more time with Paul, Nic becomes apprehensive, believing Paul undermines her authority over the children. After a heated argument with Jules, Nic suggests they all have dinner at Paul's house to ease the tension. The dinner goes well until Nic discovers traces of Jules's hair in Paul's bathroom and bedroom.

When confronted by Nic, Jules admits to the affair, but assures Nic that she is not in love with Paul and has not turned straight; she just wanted to be appreciated. Joni and Laser overhear the argument, causing the household to become tense. Paul, believing he has fallen in love with Jules, calls her to suggest that she leave Nic and come live with him, bringing the kids. Jules declines, disgusted with Paul's lack of understanding about her sexuality. The night before Joni leaves for college, Paul arrives at the Allgoods' house. He is rejected by Joni and angrily confronted by Nic. Laser ignores him as he tries to get his attention through the window. Later that night, Jules tearfully begs her family's forgiveness. The next morning, the family drives Joni to college. While Nic and Jules hug Joni goodbye, they also affectionately touch each other. During the ride home, Laser tells his mother's that they should not break up because they are too old. Jules and Nic laugh, and the film end with them smiling at each other and holding hands.

Gender Issues in Gary Gilbert's 'The Kids are All Right'

Gary Gilbert's 'The Kids are All Right' portrays the following gender issues which turn the lighthouse to the modern changing gender issues in the world as well as they are prolong to the establishment of liberty, equality, fraternity and brotherhood in the society. The following gender issues are highlighted in the movie, 'The Kids are All Right'

Same-Sex Parenting Dynamics: Gary Gilbert minutely explores the complexities of a two-mom household, highlighting both the normalcy of their family and specific challenges, such as the children's desire to meet their sperm donor in the movie 'The Kids are All Right'. Nicole 'Nic' and Jules Allgood are a married lesbian couple living in the Los Angeles area. Nic is an obstetrician and Jules is a housewife who is starting a landscape design business. Each has given birth to a child using the same sperm donor.

Gender Roles and Stereotypes: The characters, particularly Nic (the more dominant, breadwinner) and Jules (the more nurturing, stay-at-home type), sometimes embody, and other times subvert, traditional gender roles within their lesbian relationship.

The Introduction of Male Energy: Paul is presented as the sperm donor in the movie. He brings a, somewhat stereotypical, male presence into the household, which disrupts the established, female-centric family dynamic and creates tension regarding parenting styles and roles.

Infidelity and Relationship Struggles: The film also keenly portrays the strain on a long-term, same-sex relationship, dealing with issues of infidelity (Jules and Paul) and the emotional consequences on the family unit.

Stereotype Accusations: Some critiques suggest the film perpetuates certain stereotypes regarding sexual orientation and race, despite its aim to portray a positive, modern, same-sex family.

Gender-Based Stereotypes: Cultural, social, and economic structures that prioritize men, often rooted in historical patriarchy. Not only the young couple, but the people from their surrounding has possessed a systematic bias about the couple.

Gender Equity and Gender Equality- The movie reflects Gender Equity and Gender Equality through the mouthpiece in the form of major and minor characters.

Gender Roles and Gender Discrimination- The roles of the central and minor character in the development of the story plays a vital role. It leads to the systematic establishment of Gender Roles and Gender Discrimination in the society. Gary Gilbert minutely has minutely presented his character who helped to establish the modern changing society.



Conclusion

The gender issues are now turning an essential part of the human life. These issues not only affect the human relationships but also opens door to the Economic Disparity, Gender-Based Violence (GBV, Education and Health, Political Underrepresentation, Social Norms and Safety, LGBTQ+ Discrimination etc. These disparities hinder economic progress, increase poverty, and lower the overall well-being of society. Addressing these issues requires dismantling stereotypes, enforcing legal protections, ensuring equal access to education and economic resources, and empowering women in all spheres of life.

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Original Article

Tourism as a Catalyst for Rural Employment, Women Empowerment and Youth Entrepreneurship in India

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Tourism has emerged as one of the most dynamic sectors contributing to socio-economic development in developing countries. In India, tourism plays a significant role in generating rural employment, empowering women, and promoting youth entrepreneurship. With vast cultural heritage, biodiversity, and rural diversity, India possesses immense potential to leverage tourism for inclusive and sustainable growth. This paper examines the interrelationship between tourism, rural employment generation, women empowerment, and youth entrepreneurship in India. It analyses policy initiatives, case studies, and structural challenges while suggesting strategies to maximize tourism's developmental impact. The study concludes that tourism, when developed sustainably and inclusively, can become a powerful instrument for reducing poverty, enhancing gender equity, and nurturing entrepreneurial aspirations among Indian youth.

Keywords: *Tourism, Rural Employment, Women Empowerment, Youth Entrepreneurship, Inclusive Growth, India*

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Introduction

Tourism is globally recognized as a major driver of economic growth, employment creation, and social development. According to the World Tourism Organization (UNWTO), tourism accounts for nearly 10% of global employment. In India, tourism contributes around 7–8% to GDP and provides employment to millions across hospitality, transport, handicrafts, and allied sectors. India's development challenges include rural unemployment, gender inequality, and youth underemployment. With nearly 65% of India's population residing in rural areas, and more than 35% comprising youth, tourism offers a unique opportunity to address these challenges simultaneously. Rural tourism, eco-tourism, heritage tourism, and community-based tourism have gained prominence as inclusive development tools.

This paper aims to analyze how tourism contributes to:

- Rural employment generation
- Women's economic and social empowerment
- Youth entrepreneurship development

within the Indian socio-economic framework.

Tourism and Rural Employment in India

2.1 Role of Tourism in Rural Development

Rural tourism refers to tourism activities that take place in non-urban areas, emphasizing local culture, traditions, and natural resources. In India, rural tourism has been promoted as a strategy to diversify rural livelihoods beyond agriculture.

Tourism generates employment in multiple forms:

- **Direct employment:** hotels, homestays, tour guides, transport operators.
- **Indirect employment:** agriculture suppliers, artisans, construction workers.
- **Induced employment:** retail shops, food vendors, local service providers.

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States such as Rajasthan, Himachal Pradesh, Kerala, Uttarakhand, and Maharashtra have effectively utilized rural tourism to boost local employment.

2.2 Government Initiatives Supporting Rural Employment

The Government of India has launched several initiatives to promote rural tourism:

- **Swadesh Darshan Scheme:** Focuses on integrated development of tourism circuits with community participation.
- **PRASHAD Scheme:** Enhances infrastructure around pilgrimage destinations, generating rural jobs.
- **Rural Homestay Schemes:** Enable rural households to earn directly from tourism.

For example, the **Kutch region of Gujarat** has witnessed significant employment generation through handicrafts and cultural tourism linked to the Rann Utsav.

Women Empowerment Through Tourism

3.1 Tourism as a Tool for Women Empowerment

Women empowerment involves improving women's access to resources, decision-making, income, and social recognition. Tourism provides women with opportunities for:

- Economic independence
- Skill development
- Social participation
- Leadership roles

Unlike heavy industries, tourism allows women to engage in home-based and community-based activities such as homestays, food services, handicrafts, and guiding.

3.2 Case Studies from India

3.2.1 Homestay Model in Himachal Pradesh

In regions like Spiti Valley and Kullu, women manage homestays, handle bookings, cook traditional meals, and interact with tourists. These activities enhance women's confidence, income, and bargaining power within households.

3.2.2 Self-Help Groups in Kerala Tourism

Kerala's responsible tourism initiative integrates women SHGs into tourism value chains. Women supply food products, souvenirs, and services to hotels and resorts, ensuring stable income and skill enhancement.

3.3 Policy Support for Women in Tourism

Government policies promoting women's participation include:

- **National Policy for Women Empowerment**
- **Skill India Mission**
- **NRLM (National Rural Livelihood Mission)**

These programs provide training, microfinance, and institutional support to women-led tourism enterprises.

Youth Entrepreneurship and Tourism

4.1 Tourism as an Entrepreneurial Opportunity for Youth

India's demographic dividend can be effectively harnessed through youth entrepreneurship in tourism. The sector offers low entry barriers and diverse opportunities such as:

- Travel startups
- Adventure tourism
- Eco-tourism ventures
- Digital travel platforms
- Cultural experience curation

Youth entrepreneurship in tourism not only generates self-employment but also creates local jobs.

4.2 Government Support for Youth Entrepreneurs

- **Startup India Initiative:** Provides funding, incubation, and mentorship.
- **Skill India Mission:** Trains youth in hospitality, tourism management, and foreign languages.
- **Digital India:** Enables youth to market tourism services online.

4.3 Regional Success Stories

In **Ladakh**, youth-run tourism cooperatives offer trekking, cultural tours, and eco-lodges while preserving fragile ecosystems. Similarly, in **Meghalaya**, young entrepreneurs promote community-based tourism centered on local traditions and nature.

Challenges in Leveraging Tourism for Inclusive Growth

Despite its potential, tourism faces several challenges:

5.1 Infrastructure Gaps

Poor road connectivity, inadequate accommodation, and limited digital access restrict tourism growth in rural areas.

5.2 Skill Deficiencies

Many rural youths lack professional training in hospitality, entrepreneurship, and digital marketing.



5.3 Seasonal Employment

Tourism-related employment is often seasonal, leading to income instability.

5.4 Gender and Social Barriers

Women face cultural restrictions, limited access to finance, and unequal ownership of assets.

Policy Framework and Institutional Support

India's tourism development strategy emphasizes sustainability and inclusiveness.

6.1 National Tourism Policy

The National Tourism Policy focuses on:

- Sustainable tourism
- Community participation
- Skill development
- Public-private partnerships

The draft Tourism Policy (2024) highlights digital tourism and youth innovation.

6.2 Integration with Development Schemes

Tourism is linked with:

- **Make in India**
- **Atmanirbhar Bharat**
- **Vocal for Local**

This integration strengthens rural economies and entrepreneurship ecosystems.

Recommendations

To enhance tourism's role in rural employment, women empowerment, and youth entrepreneurship, the following measures are suggested:

1. **Skill Development Expansion**
2. Establish tourism training centers in rural areas with focus on women and youth.
3. **Financial Inclusion**
Provide easy credit, subsidies, and insurance for tourism micro-enterprises.
4. **Digital Empowerment**
5. Promote online platforms for rural tourism marketing and booking.
6. **Community-Based Tourism Models**
7. Encourage cooperatives and SHGs for equitable benefit sharing.
8. **Sustainable Practices**
9. Promote eco-friendly tourism to preserve natural and cultural resources.

Conclusion

Tourism has immense potential to serve as a catalyst for inclusive and sustainable development in India. By generating rural employment, empowering women, and fostering youth entrepreneurship, tourism contributes significantly to socio-economic transformation. However, realizing this potential requires integrated policies, skill development, infrastructure investment, and community participation. With strategic planning and inclusive governance, tourism can emerge as a powerful engine of rural prosperity and social equity in India.

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Original Article

A Vision for Viksit Bharat @ 2047: Sustainable Tourism Development

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These research papers examine a vision of Viksit Bharat @2047 with Sustainable Tourism Development, which aims to position India as a global leader in sustainable tourism, with the highest economic growth rates with environmental conservation and cultural preservation and community empowerment, and digital platforms (like Incredible India). To initiate in India, through the aims of sustainable tourism, to transform the nation into a global tourism hub with a USD 3 trillion tourism economy by 2047. India has one of the richest cultural heritages and historical monuments to enhance heritage tourism. India emerges as the world's eighth-largest tourism economy in 2025. India's tourism sector contributed \$231.6 billion in 2025, reflecting robust growth and strategic development in infrastructure, marketing, and service delivery. Eco-tourism is emerging as a transformative vision model for sustainable development in India's journey toward Developed India (Viksit Bharat@2047). It is a comprehensive blueprint for inclusive, sustainable, global economic participation for all citizens and competitive development across all sectors. The vision is based on four pillars: Yuva (Youth), Garib (Poor), Mahilayen (Women), and Annadata (Farmers). (Saloni Dhumne, 2025) The aim of Viksit Bharat is to not only build a developed economy but also a cohesive society. Socio-economic growth will have to be inclusive in the sense that every citizen gets a fair opportunity to improve his or her daily life. (Pinky Mehta, 2025) The basics of a good life, such as access to development, quality education, healthcare, and infrastructure facilities, skill development, and inclusive practices will have to be within reach of every Indian. The researcher has focused on ecotourism, rural tourism, and adventure tourism, ensuring that growth is environmentally responsible, socially inclusive, and culturally respectful. The researcher has investigated fundamental geographical, socio-economic, infrastructure and sustainable tourism facilities and opportunities for Viksit Bharat in 2047.

KeyWords: - Eco-tourism, Viksit Bharat in 2047. Sustainable tourism Development.

Introduction

The aims and vision of Viksit Bharat and Incredible India 2047 focus on creating a developed India characterised by integrated aspirations, goals, and actionable strategies that emphasise economic growth and prosperity, social progress, environmental sustainability, and good governance, while advancing Sustainable Development Goals (SDGs), improving the ease of living and doing business, strengthening infrastructure, and enhancing social welfare. The Federation of Associations in Tourism and Hospitality (FAITH) has unveiled an ambitious plan, "Tourism Vision 2047," to transform India's tourism sector into a \$3-trillion economic powerhouse (Sugandha Mukherjee, 2025) "Viksit Bharat 2047" is India's vision for a developed nation by its 100th year of independence (2047), focusing on sustainable growth through enhanced infrastructure, cultural promotion, skill development, and inclusive practices, with tourism as a key driver for a \$3 trillion economy, emphasising green tourism, community involvement, digital platforms (like Incredible India), and leveraging India's rich natural & cultural heritage to boost global presence. (Sunil Kumar Tiwari, 2025). Vision 2047 targets 20 billion domestic visits, 100 million foreign arrivals,

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and US\$ 400 billion in forex earnings and contributing 10% to GDP and creating 20 crore jobs.

The roadmap calls for policy reforms, infrastructure expansion, and sustainability. Opportunities include MICE tourism and unique state branding. Industry leaders stress making tourism a national priority, with India already ranking eighth globally and projected to rise to fourth within a decade (Trade Promotion Council of India, 2025).

Objectives

- A. To study the sustainable tourism development prospects for Viksit Bharat @2047.
- B. To study the infrastructural and economic growth & high-value tourism preservation & rural and cultural tourism.
- C. To study the role of developmental schemes for human beings and the environment.
- D. To study the vision of Skill Development & Employment.
- E. To study the socio-economic growth, infrastructure, and agricultural developmental perspectives in India.
- F. To examine problems and challenges to the developmental projects in India.

Discussions

The government of India 3.0 and the Ministry of Tourism has focused on making a sustainable tourism development policy for Incredible India on the basis of a central priority, aiming to place India at the forefront of the global tourism industry. (Pallavi Sharma, 2024) India's socio-economic and cultural heritage sites are in line with the vision of Viksit Bharat 2047 for infrastructure development, marketing and promotion, and skill & capacity development initiatives. Infrastructure development is supported under schemes of Swadesh Darshan, Swadesh Darshan 2.0 (including Challenges Based Destination Development), Pilgrimage Rejuvenation and Spiritual Heritage Augmentation Drive (PRASHAD), Special Assistance to States/UTs for Capital Investment (SASCI), and Assistance to Central Agencies, with emphasis on sustainable and responsible destinations. (Sunil Kumar Tiwari, 2025) To realise the ambitious vision of Viksit Bharat 2047, making India a country with sustainable development, tourism must be treated as a national priority, supported by sustainable planning, policy reform, and investment in local capacities on the basis of privet partnership (Rajesh Kumar Mishra, Divyansh Mishra & Rekha Agarwal, 2026)

Key Pillars of Tourism Development for the Viksit Bharat 2047.

As indicators of the growth of tourism for the primary pillars of tourism development for the Viksit Bharat 2047, the researcher has concentrated on the following factors: socio-cultural welfare, urban and rural development, Community Empowerment, accommodation and transportation facilities, agricultural development, education, health facilities, Global Branding and marketing and environmental sustainability. (Department of Tourism- Government of Maharashtra, 2025)

- A. **Infrastructure & Connectivity:** infrastructural facilities are one of the important tourism development indicators for the development of transport facilities (airports, highways, and waterways) and digital platforms (IIDP) for seamless travel and accessibility. To make India a global travel destination, India has set an ambitious target of a USD 3 trillion tourism economy by 2047.
- B. **Sustainability:** Promoting eco-friendly tourism, waste management, green construction, and **integrating Sustainable Tourism Development Goals (STDGs) -2030** into tourism practices as one of the key developmental factors in the world. (e.g., **Swadesh Darshan 2.0, PRASHAD** schemes).
- C. **Socio-Cultural & Natural Heritage:** Showcasing India's diverse geography (Himalayas, coasts, deserts, forests, rivers, seas & oceans, and mountains) and biodiversity through adventure tourism, rural tourism, and socio-cultural experiences. Research highlights the potential of India's diverse cultural and natural features to attract visitors and contribute significantly to GDP and employment.
- D. **Urban & Rural Development:** To develop urban and rural transformation and enhance developmental projects for training local communities as well as tribals in India and create a pool of trained facilitators to enhance service quality for the development of tourism for sustainable development by 2047.
- E. **Community Empowerment:** Ensuring local communities benefit from tourism through Public-Private Partnerships (PPPs) PPPs and inclusive growth models, with a focus on women and marginalised groups, to uplift the weaker sections of the people of India. It is crucial in fostering global understanding, creating jobs, and driving inclusive growth.
- F. **Healthcare and Nutrition:** Improving access to strengthened food security and nutritious meals for both residents and tourists and all citizens. quality wellness tourism and health tourism and ensuring healthcare infrastructure through digital tools like e-Sanjeevani,
- G. **Agriculture and Water Management:** Empowering farmers in agricultural production with modern techniques, improving sustainable water management, and developing agro-industrial clusters with processing units as well as agro-tourism sites for the sustainable tourism development of the Viksit Bharat 2047.
- H. **Transportation facility:** Expanding reliable all-weather Pradhan Mantri Gram Sadak Yojana (PMGSY-IV) road networks and ensuring district-wide 24x7 potable water connections through the Jal Jeevan Mission aim to enhance the quality of life, boost economic growth, ensure inclusive development, and improve last-mile connectivity.



- I. **Education and Skill Development:** Focusing on the quality and inclusive education for all, vocational and technical training for youth, teacher training & capacity building and improving the quality of educational institutions. Education and skill development as pivotal drivers for economic growth, innovation, and inclusivity, strengthening partnerships to align training with future market needs, supported by initiatives like the Skill India Mission.
- J. **Environmental Sustainability:** Ensuring tourism development is "green" and protects India's rich natural and cultural heritage, including its significant forest cover and UNESCO sites. Focusing on economic growth, social progress, environmental sustainability, and good governance. Sustainable tourism is identified as a crucial sector to drive this development in an inclusive manner. The Ministry of Tourism is actively promoting and focusing on destination development, connectivity, cleanliness, and attracting private investments.
- K. **Global Branding and Marketing:** Global branding efforts, led by the Ministry of Tourism, focus on a "Sustainability & Green Growth" "Green Economy" approach, utilising the rebranded Incredible India Digital Platform and promoting ecotourism, agro-tourism, digital infrastructure, and large-scale, sustainable tourism development to boost economic, social, and environmental growth.

Schemes for Making India with Sustainable Tourism Development

The Government of India, the Ministry of Tourism, and the State Government of Maharashtra have joined forces to promote tourism development from a local to a global scale. India emerges as the world's **eighth-largest tourism economy in 2025**. India's tourism sector contributed \$231.6 billion in 2025, reflecting robust growth and strategic development in infrastructure, marketing, and service delivery. This upward trend underscores India's potential as a global tourism hub and highlights the sector's vital role in driving economic expansion and employment. (Club Mahindra, 2025) The Government of India, as well as the state government of Maharashtra, has led developmental schemes for Overseas Promotion and Publicity (OPP), including Marketing Development Assistance (MDA), and solves the problem at all levels, from national to local. **(My Scheme, 2025)**

The economic development of the developed nation of India is directly and indirectly based on tourism development and infrastructural facilities that solve the bread-and-butter problems for employment generation, infrastructural development, and tourism boosts associated industries, including agro-processing industries, food processing industries, the leather industry, tourism, agriculture, poultry, handicrafts, and small-scale manufacturing units, economic stability, transport by shipping or by airways, and financial services such as insurance and banking for the large workforce in rural and urban areas. (National Council of Education Research and and Training, 2022)

The researcher has focused on economic, infrastructural, and tourism development. Key programmes are focused on the development of Make in India, clean India, Green India, Stand up India, Pradhan Mantri MUDRA Yojana, Incredible India, Incredible India Tourist Facilitator Certification, Ek Ped Maa Ke Naam (EPMKN), Athithi Devo Bhava, National Heritage City Development and Augmentation Scheme, Dekho Apna Desh (DAD), Hunar Se Rozgar Tak (HSRT), Run for Swachh Paryatan (RSP), Swachh Ata Pakhwada (SBM), Atmanirbhar Bharat, Azadi Ka Amrit Mahotsav (AKAM) Ek Bharat Shreshtha Bharat (EBSB), Vibrant Village Program (VVP), Paryatan Mitra and Paryatan Didi Initiative, and Adopt a Heritage: "Apni Dharohar, Apni Pehchaan." **(Raju Yashod, A Geographical Study of Potential Tourist Centers in Nandurbar District (Unpublished Ph.D. Thesis), 2023)**

- A. **Swadesh Darshan 2.0 (SD2.0):** This revised version of the Swadesh Darshan scheme seeks to develop sustainable, responsible tourism destinations across India. By taking a destination-based approach, this programme integrates infrastructure development, service improvements, and capacity-building for local communities. It not only improves the quality of tourism infrastructure but also ensures that the local economy benefits from the growth of the tourism sector.
- B. **PRASHAD Scheme:** The Pilgrimage Rejuvenation and Spiritual Heritage Augmentation Drive support the enhancement of pilgrimage sites, improving infrastructure, amenities, and facilities to attract both domestic and international visitors. Local managers help implement this scheme at regional levels, ensuring that the heritage of pilgrimage sites is preserved while also improving the visitor experience.
- C. **Azadi Ka Amrit Mahotsav (AKAM):** Celebrating India's 75 years of independence, this initiative promotes national pride through cultural events, heritage preservation, and local tourism. It offers a platform for communities to engage in promoting their local cultures and traditions, supported by the regional managers who help organise events and programmes.
- D. **Ek Bharat Shreshtha Bharat (EBSB):** This initiative promotes unity in diversity by facilitating cultural exchange programmes between different states and union territories. Managers and assistant managers organise local events that bring people together, enhancing cultural understanding while boosting domestic tourism.
- E. **Dekho Apna Desh (DAD):** This campaign encourages Indian citizens to explore their own country. Regional representatives help promote lesser-known tourist destinations, educating citizens on the hidden gems within their own regions, thus driving local tourism and supporting economic development.
- F. **Vibrant Village Program (VVP):** Targeting border areas, this program focuses on developing these regions as tourism hubs, improving infrastructure, creating jobs, and preventing depopulation. Managers in these areas play a



pivotal role in ensuring the success of this programme by connecting local communities to the broader tourism network.

- G. Swachhata Pakhwada (SBM):** Under the Swachh Bharat Mission, this programme encourages cleanliness drives and responsible tourism practices. Regional representatives organise and oversee campaigns to ensure that popular tourist destinations maintain cleanliness, which is integral to the sustainability of tourism.
- H. Incredible India Tourist Facilitator Certification (IITFC):** Through this certification programme, individuals in tourism-related fields are trained to improve the visitor experience. Managers facilitate local participation, ensuring that skilled tourism professionals are available across the country.
- I. Paryatan Mitra and Paryatan Didi Initiatives:** These programmes focus on empowering youth and women through skill development and training in hospitality and tourism management, ensuring that these groups benefit directly from the growing sector.
- J. Hunar Se Rozgar Tak (HSRT):** - Capacity Building Initiatives programme trains youth in various skills related to hospitality, customer service, and tourism management, creating a skilled workforce that can support the expanding tourism sector.
- K. Digital Platforms:** The Ministry has launched various digital initiatives like the Nidhi portal, the Utsav portal, and the Incredible India website to enhance India's digital presence and attract tourists. Regional managers contribute by updating these platforms with relevant regional information, ensuring that tourists have access to current and accurate details.
- L. Market Research and Tourist Footfall Analysis:** Managers help collect data on tourist arrivals and trends, contributing to more targeted marketing and promotional strategies.
- M. Ek Ped Maa Ke Naam (EPMKN):** This environmental initiative encourages travellers to plant a tree in honour of their mothers. Local representatives organise tree-planting drives, promoting eco-friendly tourism practices and supporting the sustainability agenda.

Promoting Awareness and Job Creation

1. A central government of India aspect of this initiative is raising awareness of the employment opportunities in the tourism sector. The appointed managers help educate local communities on various skill development and job creation programmes, such as the **Incredible India Tourist Facilitator Certification, Hunar Se Rozgar Tak, and the Paryatan Mitra and Didi initiatives**. By connecting locals to these opportunities, they create pathways for sustainable employment and economic independence, empowering individuals to actively participate in India's tourism growth story.
2. **Engaging Communities in Sustainable Tourism and Cultural Heritage:** Sustainability remains a central focus of the Ministry's tourism vision, and local representatives play a critical role in fostering responsible tourism practices. They organise campaigns to raise awareness about the importance of eco-friendly tourism, maintaining cleanliness, and preserving cultural heritage. Through initiatives such as the **Yuva Tourism Clubs** and **Azadi Ka Amrit Mahotsav**, young people are encouraged to actively engage with India's diverse
3. **Cultural heritage, preserving it for future generations while learning about sustainable tourism practices.**
4. **A Visionary Approach for a Stronger Tourism Sector:** - The Ministry of Tourism's decision to appoint managers and assistant managers across the country marks a critical turning point in India's tourism development. Now, two years into this initiative, it has shown immense promise in promoting inclusive growth, job creation, and cultural preservation. By empowering local communities, providing skills training, and aligning regional tourism with national goals, these representatives are helping realise the Vision 2047 of a prosperous, sustainable, and globally competitive India.

Conclusions

The researcher has examined the sustainable tourism development prospects and goals for the society in India, Viksit Bharat @2047. The researcher has studied the role of developmental vision to make India and developmental schemes for human beings, societies, and the environment sustainable for the Viksit Bharat 2047 socio-economic growth, infrastructural, and agricultural factors. Tourism is not only becoming a tool for economic growth but also an avenue for eco-friendly practices that protect cultural heritage while fostering rural and tribal employment, social cohesion, environmental sustainability, and cultural pride across India. The support and engagement from state tourism departments and other stakeholders have further solidified the importance of this initiative, positioning it as a key enabler in the government's strategy to achieve a Viksit Bharat by 2047. As this visionary initiative continues to unfold, it promises to transform India's tourism landscape, ensuring that the benefits of this thriving sector are shared by all, from the bustling cities to the farthest rural corners. A collaborative approach involving government, private sector, and local communities is necessary to create a resilient and competitive tourism sector. The developmental face of Viksit Bharat as well as the third developed country of India & development perspectives in India was changed. The researcher has elaborated on the problems and challenges to the developmental Viksit Bharat @2047.



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Original Article

Innovative Approaches and Future Directions in Rural Development

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The development of rural areas which are currently in a security threat can be understood as the implementation of federal programs for sustainable development of rural areas with the purpose to eliminate this crisis situation. As rural development is essential for the improvement of quality of life among the rural people, utmost care should be taken for Progress of living standard of the rural masses through concerted efforts in achieving a balanced rural development Rural development has captivated the visionaries and statesmen in the 1950s. Since that periods many programs and projects have been undertaken by several countries for the development of their areas. In our country their implementation began as early as 2003. The stable development of rural community ensures the fulfillment of its national economic functions, maintains ecological balance in the biosphere which are the indicators that stipulate a concept of sustainable development of rural areas. This article deals with the problems of establishing the boundaries of settlements through systematization of the results of federal target programs for the sustainable development of rural areas, taking into account natural, climatic and economic conditions of the country's territories. To understand why the rural development efforts have not succeeded in achieving the desired results, it is important to find out the basic issues and contemporary opportunities and take corrective measures accordingly. Rural development refers to the structural change in the socio-economic situation to achieve improved living standard of low-income population residing in rural areas and making the process of their development self-sustaining. This paper is an attempt to focus on the issue and challenges to design some potential strategies for rural development.

Keywords: Rural Development, Sustainable Development, Land and Property Management, Socio-Economic Transformation, Rural Infrastructure, Demographic Dynamics, Federal Target Programs, Agricultural Economy, Ecological Balance, Rural Governance, Settlement Boundaries, Land-Use Planning, Rural Livelihood, Public Policy, Sustainable Rural Economy, Territorial Management, Natural Resource Management, Social Sustainability, Economic Sustainability, Environmental Sustainability.

Introduction

Rural development is explained here as a structural change in the socio- economic situation of low-income populations in rural areas, aimed at developing living standards and making development self-sustaining. The paper argues that, because rural development is necessary for improving quality of life, policy and practice must move beyond isolated schemes toward balanced rural development that raises overall social welfare through "concerted efforts. Procedure for establishing or changing the boundaries of residential settlements and their subsequent record in the Unified State Register of Immovable



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Property is inseparably linked to its subsequent sustainable development and at the same time solves the problem of providing a constituent entity of the Russian Federation with accurate information about the borders with neighboring constituent entities of the Russian Federation and up-to-date large-scale cartographic materials. Back in 2018, the Deputy Head of the regional department reported that only 60 out of almost 3,000 settlements in the Rostov region had exact boundaries as of April 2018. He asked the regional government and local authorities to hurry up with the issue of bringing the boundaries in order, as experience had shown that it would take about six months to establish the boundaries of an average-sized settlement.

Materials And Methods

The study applied a **mixed-method research design**, combining both quantitative and qualitative both approaches to examine the challenges and future perspectives of rural development. A random sampling method was used to select Housing units from various villages. Near about 100–200 respondents were included to ensure representation of different age groups, occupations, and income levels. according to the Head of the Ministry of Construction of the Rostov Region, "From January 1, 2021, in the absence of information on the boundaries of settlements and territorial zones in, municipalities will be prevented from issuing permits for housing construction." He also said that in the Rostov Region the borders of 2,291 settlements must be defined and information on more than 60,000 territorial areas must be entered into UGRN during the year 2020. To solve this issue in agriculture, a foundation is needed that would provide a synergy of ecology, economy and society through interconnection of environmental processes, agricultural production and living environment of the rural population. The land and property rural communities is to be deemed as such a foundation.

Cocept Of Sustainable Development

Sustainable development is an approach to growth and human development that aims to needs of the Present without compromising the ability of future generations to meet their own needs. The aim is to have a society where living conditions and resources meet human needs without undermining planetary integrity. Sustainable development aims to balance the needs of the economy, environment, and society. Sustainable development aims to balance the needs of the economy, environment, and society. Equitable health access is a pillar of social sustainability. The Brundt land Report in 1987 helped to make the concept of sustainable development better known. Each country slightly reforms the idea of sustainable development depending on a historically established lifestyle of its society. In the Russian Federation, the term of sustainable development was previously enshrined at the statutory level meaning. The concept of sustainable development must Mandatory include three components: economic, environmental and social. The concept of sustainable development is interaction of these spheres so that with each future generation, quality of life of people would increase, environment would be maintained and enhanced, and movement along the path of social progress would be realized, taking into account the needs of each individual. In other words, there must be a dynamic balance of all spheres and levels of human activity. In our country, measures are being actively implemented to achieve 17 goals, which correspond to 169 specific targets of 2030 Agenda for Sustainable Development, adopted by the leaders of the United Nations Member States in 2015. The main goal of the Russian Federation for this period is to ensure the well-being of the country's population by creating and maintaining balance of social, social and environmental efforts. As a result of monitoring the achievement of sustainable development goals in our country, the first statistical yearbook "Sustainable Development Goals in the Russian Federation" has been prepared by the Federal State Statistics Service with the participation of Russian ministries and agencies. The aim of this publication is to show current state and advancement of sustainable development in our country, to compare them with other countries in order to better understand where we are now, what we have achieved and where we need to make additional efforts. There is still quite a lot of work to be done for achieving these objectives, as not all of the indicators presented in this yearbook are positive.

Choronology Of Sustainable Rural Development

Since 2003, many programs have been implemented at different levels of government in Russia. Chronology of Sustainable Rural Development in the Russian Federation is shown on Figure 1 below. Besides,

there are many programs at regional or regional level aimed at improving the life conditions of rural settlements in specific areas. Programs for sustainable development activities are financed from the federal budget, budgets of subjects of the Russian Federation, and non-budgetary sources. All these programs have been completed, stopped, continued, and interconnected with each other. Analysis of the results of implementation of programs aimed at massive improvement of the socioeconomic state of the village implies that, despite demonstrating good indicators (see Fig. 1), they have not brought expected changes, since all this has been carried out over a fairly long period time, but demographic situation in rural areas has not improved lately. Results of Federal Target Programs for Sustainable Rural Development Nowadays, Federal Target Programs are a basis of the organizational and economic mechanism aimed at solving the problems of comprehensive development of rural areas. Sustainable development of rural areas can be ensured only with the sustainable development of rural economy. The land and property complex of rural territories is the economic framework of the domestic management of land use.

Result

The land-property complex is understood as total land resources, a spatial basis for life and economic activity of rural population, and a real estate object with its various forms of ownership and as an element of market relations. The land and property complex of rural areas represents a basis for agricultural activities and a frame of agro-industry complex in the countryside. Therefore, in our opinion, in order to ensure rational use of land resources and labor base of rural areas nowadays, an effective system of management of the land and property complex of rural areas should be created. When viewed in a broader sense, sustainable development implies meeting the needs of humanity at all levels without prejudice to future generations. The concept of sustainable development is far from new. It has been around and evolving for quite a long time. Such a management system is understood as a balance between economic, environmental and social spheres. That is, creation of comfortable conditions for production, protection and restoration of natural resources of land and property complex, and protection of rights and interests of the subjects of land and property relations. The idea of sustainable development is the result of a transition from cologization of scientific knowledge and socioeconomic development to practical actions, which started intensively in the 70s of the 20th centuries. At that time, society was faced with the issue of environmental pollution and depletion (limitation) of natural resources





Discussion

The goals of sustainable development of rural areas cannot be achieved without improving a demographic situation and, consequently, labour resource base of agricultural economy. It can be said that population dynamics acts as an indicator of sustainable development of rural areas in Russia. Creation of the conditions for sustainable development of rural areas is one of the most important strategic goals of national policy to ensure the efficient use of available potential of the country's economy. When implementing sustainable rural development programs, it is necessary to take into account not only universal, but also the ethnic peculiarities of the rural population of our country, natural-climatic and economic conditions resulting from spatial-territorial specificity. The principle of peculiarities of natural-climatic and economic conditions of the country's territories should be taken into account as a basis.

Conclusion

Thus, establishment of clear boundaries of residential settlements in the Rostov Region will ensure availability of up-to-date information on the boundaries of settlements and territorial areas in the Unified State Register of Immovable Property and Public Database, which affects, inter alia, sustainable development of these areas, and will also contribute to improving land management procedures, their rational land-use planning, help resolve land disputes and increase the investment appeal of the region.

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Original Article

How Academic Libraries Support Digital Learning in NEP 2020.

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This work looks into how college libraries help with online learning, based on what's said in the NEP 2020. It aims to see how these libraries give access to digital tools, build tech know-how, while helping meet national education targets. Instead of interviews, a survey went out to 40 high school teachers - who shared real-life feedback about library-based digital support. Results show libraries are key in offering e-content, coaching people on software use, besides blending gadgets into daily lessons. Still, issues like poor setup or low understanding popped up. The research shows academic libraries help digital learning fit with NEP 2020 goals - so boosting tech resources along with focused staff training could lift their role. These results matter for decision-makers, teachers, or librarians aiming to strengthen online education.

Keywords: academic libraries, digital learning, NEP 2020, e-resources, digital literacy, secondary education.

Introduction

The National Education Policy (NEP) 2020 aims to change the education system in India by using more digital tools and technology. In this new system, academic libraries play a very important role. They help students and teachers by giving access to online books, e-resources, research materials, and digital learning platforms. Libraries also help in developing digital skills among students and teachers. Overall, libraries are becoming more modern and are supporting the goals of NEP 2020 by promoting inclusive, high-quality, and technology-based education NEP 2020 strongly encourages digital learning in schools and colleges. To support this, libraries need to update their services and become more technology-friendly. It is important to study how libraries are helping in digital learning, how they teach digital literacy, and how they provide equal access to information for all students. Understanding these points will help in making better policies, improving library infrastructure, and allocating proper resources. This will make academic libraries more effective in the digital age. Earlier research shows that the role of academic libraries has changed a lot over the years. Libraries are no longer just places for storing printed books. They have become active centers for digital learning and research. Studies say that libraries now promote open access materials, help in digital research, and support interdisciplinary studies. However, some problems still exist. These include lack of digital facilities, poor internet connectivity, and the need for more training for teachers and librarians. There is also very little detailed or quantitative research based on NEP 2020, especially studies that focus on the views of secondary school teachers.

Objective Of the Study

- To examine the role of academic libraries in supporting digital learning aligned with NEP 2020.
- To assess secondary school teachers' usage and perception of academic library digital resources.
- To recommend strategies for enhancing academic libraries' support for digital education.

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Null Hypothesis

H₀₁: There is no significant relationship between academic library digital resources and the enhancement of digital learning among secondary school teachers.

H₀₂: Academic libraries do not significantly influence teachers' digital literacy skills in the context of NEP 2020.

Methodology

1. Methodology of the Present study
2. Data for this research came from a set-up survey aiming to learn what teachers think, how they use, yet the issues they face with digital tools offered by college libraries. Participants got the form either in real life or over the web after hearing about the project and agreeing to join. Answers were labeled then studied via computer programs that run numbers, relying on simple math such as means, counts, parts of whole, while also checking links across variables plus confirming proposed ideas. A step-by-step method kept findings trustworthy, giving useful clues on how school-backed digital collections help modern teaching under NEP 2020.
3. Sample of the Study
4. The study included 40 high school teachers chosen just because they were easy to reach. These educators are the ones who actually use school libraries to find online learning materials.
5. **Tools/Instruments Used:**
6. Data was gathered through a fixed-format survey meant to record how teachers view, use, and struggle with digital library tools that back NEP 2020 while focusing on real experiences instead of assumptions. Though aimed at clarity, it tracked habits over time rather than one-off opinions.
7. Data Collection Procedure:
8. The survey reached selected high school teachers in online. They learned what the research aimed to do, while agreeing to take part. Info gathering happened within a fixed timeframe, keeping answers full and correct.

Data Analysis Techniques

Data was sorted then fed into a stats program for review. Average scores, counts, or ratios helped show what the numbers meant. Tests like significance checks explored links across factors while checking assumptions about how school libraries affect online education.

Data Analysis / Result

Null Hypothesis 1: There is no significant relationship between academic library digital resources and the enhancement of digital learning among secondary school teachers. a look at two main things: what digital stuff schools' libraries offer and how teachers use tech in learning. one part covers if educators can get to e-books, online journals, web-based databases, digital tools, catalog systems, plus net access through college libraries. the other focuses on how involved instructors are with modern teaching methods like using electronic materials, bringing gadgets into lessons, feeling confident about virtual classes, also applying new-age teaching styles. answers came from a 5-option scale where staff picked how much they agreed or didn't agree with claims tied to these areas. this overview gives a starting idea of how well library tech is within reach and its role in shaping teachers' digital education journey.

Table 1: Descriptive Statistics

Variable	Mean	Standard Deviation (SD)	Interpretation
Availability of Digital Library Resources	4.12	0.68	High availability & usefulness
Usage of E-resources	3.94	0.72	Moderately high usage
ICT Access (computers, internet)	4.05	0.70	Good technological support
Digital Learning Enhancement	4.22	0.64	Strong improvement in digital learning

Teachers report strong access to digital resources and feel that these resources contribute positively to their digital teaching practices.

Table 2: Correlation Coefficient (r)

Relationship Tested	Pearson's r	p-value	Level of Significance	Result
Digital Library Resources ↔ Digital Learning Enhancement	0.72	p < 0.01	Significant at 1% level	Strong Positive Relationship



Where digital libraries are rich in e-resources and ICT tools, teachers demonstrate higher digital readiness, increased use of digital content, and improved digital pedagogy skills.

There is no significant relationship between academic library digital resources and the enhancement of digital learning among secondary school teachers.

Null Hypothesis 2: Academic libraries do not significantly influence teachers' digital literacy skills in the context of NEP 2020.

To check this idea, researchers looked at two main things: help from college libraries and how well teachers handle tech. First up, library backing this covers stuff like running computer skill sessions, showing folks around IT systems, giving access to digital gear, one-on-one help from librarians, plus guidance on using online materials. Next, teacher know-how their comfort with online tools, ease using tech devices, experience teaching through web platforms, and managing digital files smoothly. Data came from surveys where educators picked answers on a 5-level scale, sharing how much they agreed or experienced each point about both library aid and personal tech growth.

Table 3: Descriptive Statistics

Variable	Mean	SD	Interpretation
Library Support & Digital Training	3.80	0.77	Moderate but positive support
Access to ICT Tools & Digital Resources	4.05	0.70	Strong ICT availability
Librarian Assistance for Digital Tasks	3.92	0.74	Interactive and helpful support
Teachers' Digital Literacy Level	4.15	0.61	High digital competence

Some teachers say school libraries help a bit with tech learning, offering steady devices along with online materials. They're quite skilled using digital tools, suggesting library efforts likely boost their abilities.

Table 4: Correlation Results

Relationship Tested	Pearson's r	p-value	Significance Level	Result
Library Support & Training ↔ Teachers' Digital Literacy	0.68	p < 0.01	Significant at 1% level	Strong Positive Relationship

Some teachers say school libraries help a bit with tech learning offering steady devices and online materials. On top of that, they're quite skilled with digital tasks, which suggests library efforts might play a real role in building those abilities.

Interpretation of results

The findings for Null Hypothesis 1 suggest digital resources in academic libraries really do boost how teachers learn with tech. better availability of electronic materials, combined with modern tools, helps educators work more confidently with online content so they can teach using technology much easier.

Just like before, findings for Null Hypothesis 2 show academic libraries really boost how well teachers handle digital skills. Because of library run workshops, tech advice, or online help, educators feel more sure, skilled, even prepared using digital gear when they teach.

On the whole, each study shows academic libraries help boost teachers' digital skills while supporting their e-learning growth just like what NEP 2020 aims for.

Discussion

The findings show academic libraries really help boost digital learning for high school teachers also lifting their digital know-how. A solid link in each tested idea points to one thing: having e-resources, tech tools, and online lessons helps educators use tech more smoothly in class. In much the same way, library led workshops and guidance build stronger digital abilities, ease worries about using new platforms, and encourage openness to modern teaching styles. Altogether, this proves libraries do more than store info they're key players in pushing forward tech-powered classrooms, just like NEP 2020 aims.

The results matter a lot for schools, policy makers, or those running libraries. For one thing, better digital library setups might boost how well teachers use tech in learning this helps students enjoy class more. On top of that, ongoing training like digital skill sessions, intro courses on ICT, or hands-on help from librarians could build teacher confidence with technology, which lines up with what NEP 2020 wants. Besides this, the data hints we should spend



more on e-resources, modern devices, plus steady growth chances for staff at school libraries. All told, backing libraries strongly inside schools may push digital teaching forward while making it easier to hit NEP 2020 goals.

Conclusion

The research showed academic libraries help boost digital education, fitting well with NEP 2020 goals. Results from Null Hypothesis 1 indicated that getting to e-books, e-journals, online databases, or ICT tools greatly improves how secondary teachers learn digitally. Findings from Null Hypothesis 2 highlighted how training run by libraries, tech assistance, along with digital skill sessions, build stronger abilities, self-assurance, plus know-how in using digital tools for classroom use. In short, libraries are key in pushing schools toward better tech use, smarter teaching methods, and being ready for digital demands.

While the study offers useful findings, later work could look at bigger, more varied groups from various areas or kinds of schools. Instead of just numbers, talking one-on-one with teachers might reveal richer details about their tech-based teaching journeys. Schools where libraries play a big role could be compared to ones where they don't this might show how digital tools really affect learning. On top of that, upcoming projects might check how better teacher skills with technology help learners in real ways, along with how college libraries can roll out fresh digital options after NEP changes took effect.

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