iJRASET
International Journal For Research in Applied Science and Engineering Technology



INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Volume: 13 **Issue:** VIII **Month of publication:** August 2025

DOI: https://doi.org/10.22214/ijraset.2025.73914

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International Journal for Research in Applied Science & Engineering Technology (IJRASET)
ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538
Volume 13 Issue VIII Aug 2025- Available at www.ijraset.com

Implementation Challenges of NEP 2020: A Policy Review

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Abstract: ***With a focus on inclusive, transdisciplinary, and holistic learning, the National Education Policy (NEP) 2020 offers a revolutionary agenda for India's educational system. Although it has a progressive vision, there are significant obstacles to implementation. Inadequate funding, inadequate teacher preparation, problems with government coordination, systemic gaps including outdated curricula, the digital divide and infrastructure deficiencies are some of the main challenges. Reforms like MERUs and the Academic Bank of Credits face regulatory obstacles and institutional opposition in higher education. Progress is further hampered by the lack of precise deadlines and oversight procedures. The paper makes the case that a planned, well-funded, and cooperative approach including all stakeholders is necessary for successful implementation.***
Keywords: National Education Policy 2020, Educational reform, Policy implementation, Indian education system, Curriculum development, Implementation Challenges, Equity and inclusion.

I. INTRODUCTION

As the first thorough policy revision in more than thirty years since the NEP 1986, the National Education Policy (NEP) 2020 represents a major turning point in India's efforts to modernize its educational system [1]. NEP 2020 suggests a comprehensive and adaptable educational system that prioritizes critical thinking, creativity, multilingualism, and lifelong learning in order to meet the evolving demands of a knowledge society in the twenty-first century. In addition to implementing a 5+3+3+4 framework, it aims to restructure the curriculum and pedagogy in both higher education and schools, support mother tongue-based instruction, and foster multidisciplinary education at the collegiate level [1].

Although the strategy has received a lot of praise for its inclusiveness and progressive outlook, there are many institutional, financial, and infrastructure obstacles to overcome in its implementation. Significant obstacles to implementation include India's federal political structure, differences in state capacities, digital inequality, and a public education system that is underfunded . Furthermore, the readiness of all parties involved especially educators, institutions, and local governments—to implement comprehensive pedagogical and structural changes is critical to NEP 2020's success. This article offers a critical analysis of the main implementation issues of NEP 2020, emphasizing the disconnect between the creation of policies and the realities on the ground and suggesting ways to close this gap.

II. NEP 2020: A BROAD OVERVIEW AND POLICY ANALYSIS

The Indian government unveiled the National Education Policy 2020 (NEP 2020), a comprehensive framework for modernizing and overhauling the country's educational system. NEP 2020 represents a vision of inclusive, flexible, and holistic education that aims to encourage 21st-century abilities including critical thinking, creativity, and digital literacy. It comes more than thirty years after the National Policy on Education (1986) [10]. It promotes a change from rote learning to competency-based approaches, restructures both higher education and schools, and works to improve access and equity at all educational levels. Although the policy outlines a revolutionary goal, there are significant obstacles to overcome in implementing it in a resource-constrained, diverse, and federal nation like India. This section offers a policy analysis and scholarly overview of NEP 2020, covering its innovations, ambitions, and potential roadblocks.

A. Rethinking Indian Education: A Thorough Examination of NEP 2020

By implementing the 5+3+3+4 curricular structure, which is in line with children's cognitive growth stages, NEP 2020 suggests a change in the design of Indian education. In the early years, this seeks to replace the antiquated 10+2 system and provide room for experiential learning, play-based pedagogy, and foundational learning [6]. The strategy places a strong emphasis on institutional autonomy, flexible curricula, and transdisciplinary learning in higher education.

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To promote academic mobility and innovation, Multidisciplinary Education and Research Universities (MERUs) and an Academic Bank of Credits have been established [11]. Vocational education is also given priority under the strategy, which aims to expose 50% of students to vocational training by 2025. In order to develop a sense of rootedness in Indian values as well as global competencies, it supports regional languages and cultural knowledge and encourages the use of technology in teaching and learning.

B. A paradigm shift in indian educational policy is anticipated with NEP 2020

Compared to previous education policies, NEP 2020 signifies a substantial paradigm shift. It reinterprets learning objectives, emphasizing inquiry, critical thinking, and problem-solving above memorization. High-stakes board exams will give way to competency-based continuous assessments as the assessment system evolves [13]. Additionally, the strategy suggests the National Educational Technology Forum (NETF) to direct digital projects and establishes the National Testing Agency (NTA) for standardized university entrance exams.

Additionally, a step toward openness and simplification is represented by the Higher Education Commission of India's (HECI) reorganization of governance, which would replace several regulatory agencies like the AICTE and UGC [8]. Enhancing institutional autonomy and encouraging a research and innovation culture at universities are the goals of the policy.

C. From Policy to Practice: Assessing NEP 2020 Implementation

The shift from policy to practice is still a major obstacle, despite its lofty goals. Because of India's federal structure, states many of which have varying infrastructure, political agendas, and financial resources are required to carry out education reforms [2]. The financial viability of the reforms is called into question because, despite NEP 2020's goal of increasing public spending on education to 6% of GDP, this objective has not been regularly reached for decades [9]. Teacher preparedness is another significant obstacle. Curriculum alignment and extensive teacher training are necessary for effective implementation, especially in rural and under-resourced areas. Furthermore, the digital divide hinders the use of digital learning platforms such as DIKSHA, particularly for students from underrepresented groups.

D. The Future of Education in India and NEP 2020

The goal of NEP 2020 is to get Indian students ready for the demands of the information economy of the twenty-first century. The policy places a strong emphasis on integrating AI, digital literacy, coding, and computational thinking at the educational level. Additionally, it promotes flexibility in topic selection, eliminating strict divisions between academic streams and promoting the convergence of arts and sciences [12]. The goal of these initiatives is to improve learning's future readiness, inclusivity, and personalization. However, closing the gap between urban and rural areas in terms of infrastructure and internet connectivity is essential to the realization of this objective. While digital learning resources are growing in urban India, most rural kids do not have access to gadgets or reliable internet, which might lead to increased disparities in learning results, according to [7] study.

E. Indian Education Transformation: NEP 2020's Vision and Challenges

Although NEP 2020 puts forth a bold plan, structural changes in the way policies are implemented are necessary for it to succeed. In addition to legislative intent, administrative will, sufficient financing, and long-term planning are necessary for the establishment of multidisciplinary institutions, the shift to a competency-based curriculum, and the execution of teacher training programs [14]. Although the policy's emphasis on fairness is praiseworthy, it won't have much of an impact unless structural inequalities pertaining to caste, gender, geography, and disability are actively addressed.

Furthermore, for implementation to be carried out nationally, coordination between the federal and state governments would be crucial. In the absence of efficient coordination and capacity building, the changes run the risk of becoming dispersed and inequitable throughout the nation.

III. NEP 2020'S FEDERAL STRUCTURE AND POLICY COORDINATION

The National Education Policy 2020 execution is complicated by India's federal system. The Indian Constitution grants both the Central and State governments legislative jurisdiction over education as a concurrent subject [10]. Although NEP 2020 presents a cohesive national vision, individual states—many of which have varying institutional capacities, financial stability, educational infrastructure, and political will—are mostly responsible for carrying it out [2]. As a result, important reforms like the three-language formula and the 5+3+3+4 curriculum framework have already been adopted unevenly and slowly.

While states like Karnataka and Maharashtra have selectively implemented structural changes, Tamil Nadu, for example, has vehemently rejected the three-language policy, citing linguistic and cultural autonomy [17]. NEP 2020 has the potential of producing a fragmented educational environment rather than a unified national system in the absence of robust intergovernmental coordination, budgetary support, and policy alignment mechanisms [14]. Therefore, to guarantee consistency in the implementation and accomplishment of this enormous educational reform, federal cooperation, competence training, and policy coherence are crucial.

IV. FINANCIAL LIMITATIONS ON NEP 2020 IMPLEMENTATION

Financial sustainability is one of the most important issues preventing the National Education Policy 2020 from being implemented successfully. A long-standing but historically unachieved goal in Indian education policy, the policy seeks to raise public spending on education to 6% of GDP [10]. There is currently no legally binding financial plan or legislative framework to guarantee that the 6% target will be met, and public spending in education now ranges between 3.5 and 4% of GDP [3]. The viability of important reforms envisioned by the NEP, such as infrastructural renovations, universal digital access, hiring qualified instructors, and reorganizing curricula in both higher education and schools, is severely limited by this disparity between aspiration and allocation.

Furthermore, state governments, which bear a significant portion of the cost of education, frequently deal with their own financial limitations and differing capabilities, which leads to implementation discrepancies between states [2]. NEP 2020's revolutionary potential could be jeopardized without substantial and ongoing investment, particularly in rural and marginalized areas that need the most attention.

V. THE IMPLEMENTATION OF NEP 2020 AND THE DIGITAL DIVIDE

In order to improve accessibility and flexibility in the delivery of education, the National Education Policy 2020 lays a strong focus on the integration of digital learning technologies, especially through platforms like DIKSHA and SWAYAM [10]. Following the COVID-19 epidemic, which brought attention to the necessity of robust and technologically advanced educational systems, this concept gained more traction. However, the digital divide that still exists in India poses significant obstacles to the successful execution of these digital projects. Many people lack access to essential digital infrastructure, including electronic gadgets and high-speed internet, particularly in rural, tribal, and economically disadvantaged areas [7].

Socioeconomic differences exacerbate this infrastructure divide, preventing students from underprivileged families from fully engaging in digital learning environments [12]. Furthermore, a large number of educators nationwide lack sufficient training in digital pedagogy, which hinders their capacity to effectively incorporate EdTech technologies into their lesson plans [13]. The digital component of NEP 2020 runs the potential of widening rather than reducing educational disparities if these structural problems are not resolved.

VI. CONCERNS ABOUT EQUITY AND INCLUSION IN NEP 2020

In order to guarantee historically oppressed groups including Scheduled Castes (SCs), Scheduled Tribes (STs), girls, and people with disabilities access to high-quality education, the National Education Policy 2020 places a high priority on fostering equity and inclusion [10]. Establishing Gender Inclusion Funds, specific education zones for underprivileged areas, and inclusive curriculum frameworks are some of the main ideas. However, long-standing structural disparities that disproportionately impact vulnerable people still plague the Indian educational system [16]. These include lack of local infrastructure, particularly in rural and tribal communities, gender-based hurdles, caste-based prejudice, and economic hardship.

Despite promoting inclusive education, NEP 2020 does not impose strict affirmative action guidelines or quotas on private schools, nor does it offer a clear implementation plan to lessen disparities in outcomes and access [15]. There is a genuine chance that well-meaning changes could inadvertently increase the gap between rich and disadvantaged students in the absence of focused interventions and strong accountability systems. Context-sensitive, equity-driven implementation tactics must be added to the policy in order to fully achieve its inclusive aim.

VII. ACCOUNTABILITY AND MONITORING IN THE IMPLEMENTATION OF NEP 2020.

The absence of a precise structure for monitoring and accountability is a major issue with the implementation of NEP 2020. The strategy does not provide implementation timetables, performance metrics, or procedures for periodic assessment and evaluation, despite outlining a wide range of reforms, from institutional reorganization to curriculum transformation [10].

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According to [14], the lack of clear standards for evaluating success restricts public accountability and makes it challenging for stakeholders to determine whether the reforms are working as intended. Furthermore, rigorous monitoring is made more difficult by decentralized execution through state governments, each of which has distinct interests and capabilities [2].

The strategy calls for the creation of organizations like the National Educational Technology Forum (NETF) and the State School Standards Authority (SSSA), but it is unclear what their functions, authority, and reporting procedures will be [6]. In the absence of a strong, open, and inclusive monitoring system, NEP 2020 runs the risk of being mired in policy symbolism, wherein bold improvements remain primarily aspirational.

Table 1
NEP 2020 – Policy Vision vs. Implementation Challenges

Policy Area	NEP 2020 Vision	Implementation Challenges
School Education Structure	introduction of a curriculum structure that is in line with the developmental phases of children (5+3+3+4).	Lack of awareness at the school level, curricular alignment problems, and state resistance.
Curriculum and Pedagogy	Put an emphasis on experiential, competency-based, and interdisciplinary learning.	out-of-date texts, inflexible current curricula, and inadequate teacher preparation.
Language and Multilingualism	Prioritizing home language and mother tongue training through fifth grade.	Regional language instructor shortages and logistical issues in multilingual classrooms.
Teacher Education	continual professional growth and a four-year integrated B.Ed. program.	Recruitment disparities, unequal state preparation, and a lack of teacher training institutions.
Higher Education Reforms	Multidisciplinary Education and Research Universities, Academic Bank of Credits.	Institutional opposition, unclear regulations, and the requirement for capacity building.
Technology in Education	expansion of EdTech and digital learning systems such as DIKSHA.	Lack of internet connectivity in rural areas, the digital divide, and teacher and student digital literacy.
Governance and Regulation	establishment of institutional autonomy and a single regulator (HECI).	Legislative delays, overlapping responsibilities of current bodies, and unclear policies.
Financing	The goal is to invest 6% of GDP on education.	conflicting priorities at the federal and state levels, and no legally mandated budgetary framework.

VIII. CONCLUSION

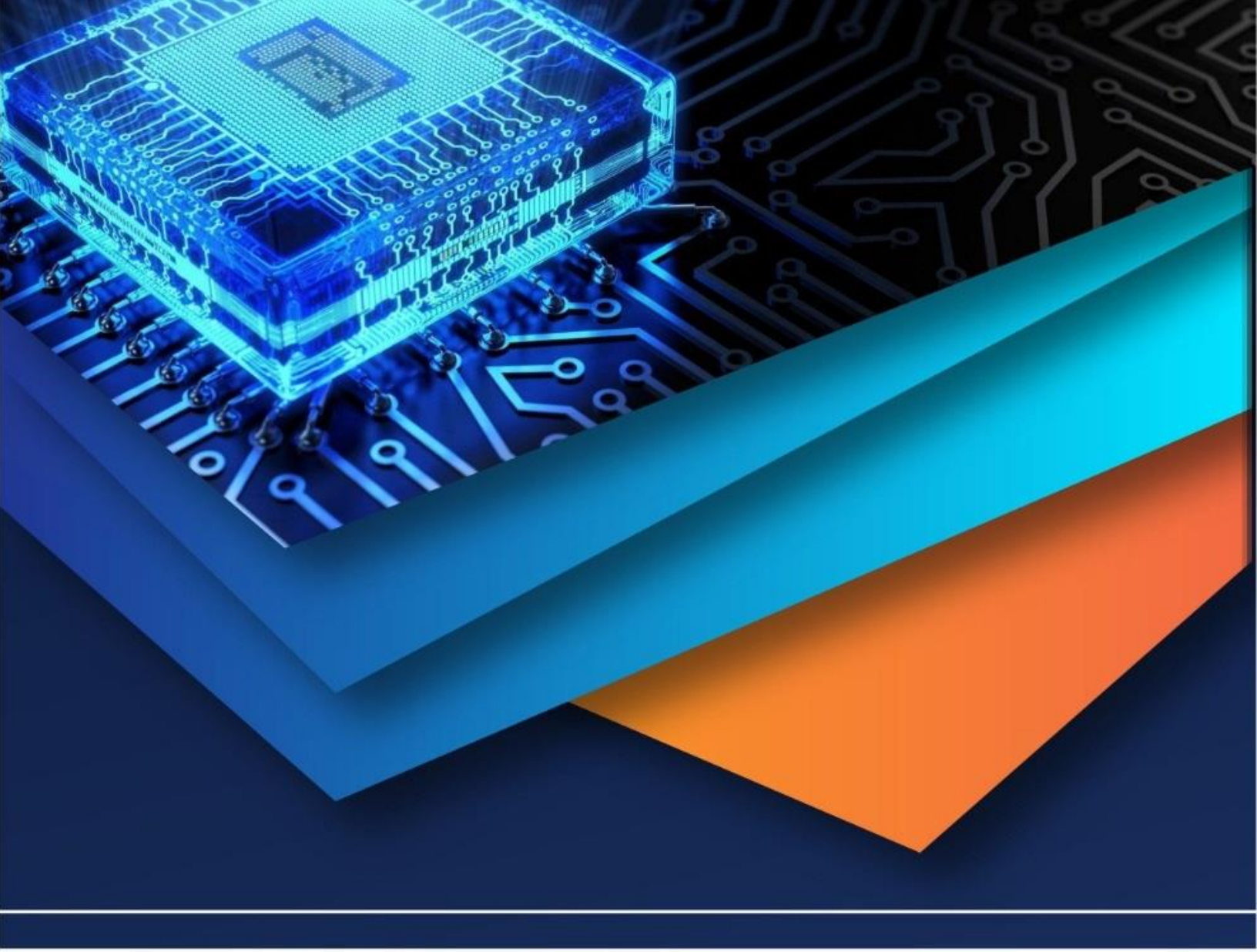
A comprehensive and forward-thinking framework for reimagining Indian education is provided by NEP 2020. Its focus on digital integration, transdisciplinary learning, and holistic development is in line with international best practices in education. But there are several logistical and structural obstacles in the way of moving from policy to reality. Strong political will, consistent financial investment, and cooperation from stakeholders at all governmental levels are necessary to address these problems. NEP 2020 has the potential to revolutionize Indian education and equip students for a world that is changing quickly if it is executed well.

A forward-thinking and progressive vision for India's educational system is laid out in the National Education Policy (NEP) 2020. But in order to make this vision a reality, sufficient resources, ongoing capacity-building initiatives, and a strong and persistent political commitment—especially from state governments—are needed. Additionally, it depends on the active participation of important parties, such as local communities, parents, and educators. Clear roadmaps, reasonable deadlines, and open monitoring systems are also necessary for successful implementation. NEP 2020 runs the risk of only being a policy on paper rather than bringing about a real change in practice if these important issues are not resolved.

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