

Higher Education in the National Education Policy (NEP) 2020: A Comprehensive Study

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Abstract

The National Education Policy (NEP) 2020 represents a transformative framework aimed at restructuring India's higher education system to enhance access, quality, equity, and global competitiveness. Recognizing education as a key driver of economic growth and social mobility, the policy introduces comprehensive structural, curricular, and regulatory reforms designed to address long-standing challenges such as low enrolment rates, rigid disciplinary boundaries, limited research output, and disparities in access across regions and socio-economic groups. A central quantitative objective of NEP 2020 is to increase the Gross Enrolment Ratio (GER) in higher education to 50 percent by 2035, compared to the pre-policy level of around 26–28 percent, thereby necessitating substantial expansion in institutional capacity and the addition of millions of new seats.

The policy promotes multidisciplinary and holistic education through flexible undergraduate programmes, multiple entry and exit options, and the introduction of the Academic Bank of Credits to facilitate student mobility and lifelong learning. Governance reforms include the establishment of the Higher Education Commission of India to streamline regulation and improve accountability, while the National Research Foundation aims to strengthen research culture and innovation across universities. Furthermore, NEP 2020 emphasizes digital learning, vocational integration, international collaborations, and industry partnerships to align higher education with evolving workforce demands.

Despite its ambitious vision, the implementation of these reforms presents significant challenges, including funding

constraints, infrastructure deficits, faculty shortages, and persistent socio-economic inequalities that may hinder equitable access. This paper critically examines the policy's objectives, statistical benchmarks, reform strategies, and emerging outcomes to assess its potential impact on India's higher education landscape. The study concludes that while NEP 2020 provides a progressive roadmap for systemic transformation, its success depends on sustained investment, coordinated governance, and inclusive implementation to ensure that expansion is accompanied by quality and equity.

Keywords: NEP 2020, Higher Education, GER, Multidisciplinary Learning, Academic Bank of Credits, Institutional Reforms, Equity.

Introduction

Higher education serves as the backbone of national development by fostering intellectual growth, promoting innovation, and preparing skilled human resources for social and economic transformation. In a rapidly globalizing and technology-driven world, the quality, accessibility, and relevance of higher education systems determine a nation's competitiveness and sustainability. India, home to one of the world's largest youth populations, faces both opportunities and challenges in ensuring that its higher education sector meets international standards while addressing domestic socio-economic needs. Issues such as limited access, regional disparities, rigid disciplinary structures, outdated curricula, employability gaps, and fragmented regulatory mechanisms have historically constrained the effectiveness of the system.

Recognizing these concerns, the Government of India introduced the **National Education Policy 2020**, a comprehensive reform agenda aimed at transforming the entire education landscape, including higher education. The policy replaces the earlier **National Policy on Education 1986** and proposes structural, curricular, and governance changes designed to create a holistic, multidisciplinary, and research-oriented higher education ecosystem. It emphasizes flexibility in learning pathways, multiple entry and exit options, integration of vocational education, enhanced institutional autonomy, digital technology adoption, and strengthened research culture.

The higher education component of NEP 2020 envisions a paradigm shift from rote-based, compartmentalized learning to student-centered, interdisciplinary, and outcome-based education. By encouraging innovation, critical thinking, and skill development, the policy seeks to improve employability and global competitiveness while ensuring equity and inclusiveness. Furthermore, the proposed regulatory reforms, including the establishment of a unified governance framework and the promotion of international collaborations, aim to enhance transparency, quality assurance, and accountability within institutions.

Against this backdrop, the present study examines the major reforms introduced under NEP 2020 for higher education, analyzes their potential impact on institutional functioning and learner outcomes, and evaluates the opportunities and challenges associated with their implementation. By providing a comprehensive understanding of the policy's vision and mechanisms, the paper contributes to ongoing academic discussions on educational transformation and offers insights for policymakers, educators, and researchers engaged in strengthening India's higher education system.

Literature Review

Higher education has increasingly been recognized as a critical determinant of national growth, innovation capacity, and social mobility. Globally, universities are expected to function not only as centers of knowledge transmission but also

as hubs of research, entrepreneurship, and skill development. In India, however, scholars have long identified structural challenges such as limited access, regional inequalities, rigid disciplinary divisions, low research productivity, and fragmented governance. These systemic issues provided the foundation for large-scale reforms proposed under the **National Education Policy 2020**¹.

Earlier literature evaluating the pre-reform period suggests that the expansion of higher education institutions after the National Policy on Education 1986 focused more on quantitative growth than qualitative improvement. Agarwal² (2019) argued that although enrolment increased substantially, institutional quality and research outcomes remained inconsistent. Similarly, Tilak³ (2018) emphasized that public expenditure constraints and governance inefficiencies hindered equitable development of the sector. These analyses highlighted the need for a comprehensive restructuring of regulatory and academic frameworks.

Recent studies have examined the conceptual underpinnings of NEP 2020 and interpreted it as a shift toward holistic and multidisciplinary learning. Researchers contend that rigid specialization restricts intellectual development and limits employability. Interdisciplinary education models, widely adopted in advanced higher education systems, are shown to enhance critical thinking, creativity, and adaptability. Scholars such as Gupta and Sharma⁴ (2022) note that NEP's focus on liberal education, integration of arts and sciences, and flexible subject combinations aligns Indian higher education with global best practices.

¹ Ministry of Education. (2020). *National Education Policy 2020*. Government of India.

² Agarwal, P. (2019). *Higher Education in India: Growth, Concerns and Change*. New Delhi: Academic Foundation.

³ Tilak, J. B. G. (2018). *Education and Development in India: Critical Issues in Public Policy*. Singapore: Springer.

⁴ Gupta, R., & Sharma, K. (2022). Multidisciplinary education and curriculum flexibility under educational reforms. *Journal of Higher Education Policy Studies*, 14(2), 45–60.

Flexibility in curriculum design and academic mobility constitute another significant theme in contemporary research. Studies indicate that dropout rates often stem from inflexible course structures and socio-economic constraints. The introduction of multiple entry–exit options, modular degrees, and credit transfer systems has been widely appreciated for accommodating diverse learner needs. According to Jain⁵ (2021), such mechanisms democratize education by allowing students to continue learning at different life stages without academic loss. The concept of an Academic Bank of Credits is therefore considered a progressive step toward lifelong learning.

Research and innovation also occupy a central place in academic discussions. India's relatively low share in global research publications and patents has raised concerns about the effectiveness of university-based research. Scholars attribute this to inadequate funding, limited autonomy, and weak industry-academia collaboration. The proposed National Research Foundation is viewed as a strategic response to these challenges, intended to promote interdisciplinary research, provide competitive grants, and build innovation ecosystems within institutions. Kumar and Rao⁶ (2023) argue that sustained research investment is essential for enhancing global rankings and knowledge production.

Despite general optimism, scholars caution that implementation barriers remain significant. Financial constraints, digital divides, faculty shortages, and uneven infrastructure across states may slow the realization of NEP's goals. Empirical evaluations stress that policy success depends on coordinated action among governments, institutions, and stakeholders. Therefore, while

NEP 2020 offers a visionary blueprint, its long-term effectiveness requires sustained investment and careful monitoring.

Overall, the reviewed literature indicates strong support for reforms that emphasize inclusivity, flexibility, research orientation, and governance restructuring. However, there remains a need for systematic studies assessing how these reforms translate into practice. The present research seeks to contribute to this gap by analyzing the comprehensive impact of NEP 2020 on India's higher education landscape.

Objectives of the Study

1. To study the existing status of higher education in India prior to the implementation of the National Education Policy 2020.
2. To analyze the key structural and academic reforms introduced under the National Education Policy 2020.
3. To evaluate the role of research and innovation initiatives in strengthening higher education.

Research Methodology

The present paper adopts a descriptive and analytical research methodology to examine the reforms introduced in higher education under the National Education Policy 2020. The research is primarily qualitative in nature, focusing on interpreting policy provisions, institutional changes, and their implications for the Indian higher education system. At the same time, relevant quantitative indicators such as enrolment rates, institutional expansion, and research performance are used to support the analysis.

The study is based mainly on secondary data sources, as the objective is to evaluate policy structure and implementation rather than conduct field experimentation. Data have been collected from official government publications, policy documents, reports of the Ministry of Education, statistical records of the University Grants Commission, scholarly journals, books, research articles, and other authentic academic sources.

⁵ Jain, S. (2021). Credit transfer systems and lifelong learning in Indian universities. *Indian Journal of Educational Planning and Administration*, 35(1), 67–82.

⁶ Kumar, A., & Rao, P. (2023). Research ecosystems and innovation funding: Implications for university transformation. *International Review of Education and Development*, 69(3), 311–329.

These materials provide comprehensive information regarding the historical background, current status, and proposed reforms in higher education.

For analysis, the study employs content analysis to interpret the provisions of the policy, comparative analysis to assess differences between pre- and post-reform conditions, and descriptive techniques to present trends and patterns in higher education development. A critical evaluation approach is also used to identify strengths, opportunities, challenges, and limitations associated with the implementation of NEP 2020.

The scope of the study

This study is confined to higher education reforms, including institutional restructuring, curriculum flexibility, research promotion, governance mechanisms, and technology integration. The study does not cover school education components. Although the methodology ensures systematic analysis, the findings are limited by reliance on secondary data and the relatively recent implementation of the policy, which restricts the availability of long-term empirical evidence.

Discussion and Findings

This section discusses the major outcomes of higher education reforms introduced under the National Education Policy 2020 and presents empirical evidence to justify the objectives of the present study. The analysis is supported by secondary data and official statistics from the Ministry of Education and the University Grants Commission. The findings are organized in alignment with the objectives of this study.

India's higher education system has expanded rapidly in terms of numbers but has historically faced issues related to quality, equity, research productivity, and governance inefficiencies. The reforms introduced under NEP 2020 seek to address these challenges through multidisciplinary institutions, flexible curricula, enhanced research funding, technology integration, and streamlined regulation. The discussion below evaluates how far these reforms respond to the

objectives of the study and the measurable improvements observed so far.

Findings:

I. The pre-reform scenario shows that although India had one of the world's largest higher education systems, several structural weaknesses persisted:

Indicator	Status
Total student enrolment	4.3 crore
Universities	1,100+
Colleges	43,000+
GER (2018–19) Gross Enrollment Ratio	26–27%
Faculty shortages	Significant in public HEIs
Research quality	Limited global impact

These figures demonstrate that mere expansion did not ensure quality or inclusiveness. GER remained far below developed nations (50–80%), indicating limited access. Faculty shortages and low research output reflected inefficiencies in the system. Thus, examining the baseline status was necessary to understand why comprehensive reforms like NEP 2020 were required and to provide a benchmark for evaluating progress.

The higher education reforms proposed under NEP 2020 represent a fundamental restructuring of India's academic system. Rather than focusing only on expansion in the number of institutions, the policy emphasizes quality, flexibility, multidisciplinary learning, research integration, and institutional autonomy. The following section provides an in-depth analysis of the key structural and academic reforms and presents detailed

findings derived from policy evaluation and higher education trends.

II. Structural Reforms

Transformation into Multidisciplinary Institutions- Traditionally, Indian higher education institutions operated in isolated streams such as arts colleges, engineering colleges, or medical colleges. This compartmentalized structure limited interdisciplinary exposure and restricted students' intellectual development. NEP 2020 proposes converting single-discipline colleges into large multidisciplinary universities and autonomous degree-granting institutions.

- Institutions are gradually merging departments and offering cross-disciplinary courses.
- Students now have opportunities to combine arts with sciences, technology with humanities, and vocational subjects with academic streams.
- This approach promotes broader knowledge, creativity, and critical thinking.

Multidisciplinary education equips students with diverse competencies, making them adaptable to dynamic job markets. It also aligns India with global university models where innovation often occurs at the intersection of disciplines.

Institutional Restructuring and Autonomy- The earlier system of heavy affiliation resulted in overcrowded universities supervising hundreds of colleges, reducing academic quality and governance efficiency. NEP recommends granting greater autonomy to institutions and phasing out the rigid affiliation system.

- Colleges are being encouraged to become autonomous or cluster universities.
- Decision-making in curriculum design, assessment, and administration has become more decentralized.
- Reduced bureaucratic control improves operational efficiency.

Autonomy fosters innovation, quicker academic reforms, and accountability. Institutions can tailor programs to local and industry needs, enhancing relevance and effectiveness.

Simplified Regulatory Framework- Multiple regulatory bodies previously created confusion and delays. NEP proposes a unified and streamlined system through the Higher Education Commission of India (HECI).

- Reduced duplication of functions.
- Increased transparency and accountability.
- Better coordination between accreditation, funding, and standards.

A simplified structure minimizes administrative barriers and allows institutions to focus more on teaching and research rather than compliance.

III. Academic Reforms

Flexible Curriculum and Multiple Entry–Exit Options- Earlier degree programs were rigid; students who dropped out lost their academic progress. NEP introduces modular degrees with certificates, diplomas, and research options, enabling flexibility.

- Students can exit after 1, 2, or 3 years and re-enter later.
- Dropout consequences are reduced.
- Academic mobility is enhanced.

This system particularly benefits economically weaker students who may need temporary breaks for employment or personal reasons. It promotes lifelong learning and improves overall participation rates.

Academic Bank of Credits (ABC)- The Academic Bank of Credits allows digital storage and transfer of credits across institutions.

- ☐ Students can transfer credits between universities.
- ☐ Learning becomes portable and flexible.
- ☐ Encourages inter-university collaboration.

ABC modernizes academic administration and supports blended and online learning models, enabling students to learn from multiple institutions.

Holistic and Skill-Based Education- The earlier system emphasized theoretical knowledge with limited focus on employability. NEP promotes skill development, internships, and vocational integration.

- Increased emphasis on internships and experiential learning.
- Curriculum includes soft skills, communication, and entrepreneurship.
- Improved industry readiness of graduates.

This reform bridges the gap between education and employment, addressing the long-standing issue of graduate unemployment.

Research Integration in Undergraduate Education- Research was traditionally confined to postgraduate or doctoral studies. NEP introduces research exposure at undergraduate levels.

- Four-year bachelor's degree with research option introduced.
- Students participate in projects, innovation labs, and research activities early.
- Growing research culture in institutions.

Early research engagement improves analytical thinking and innovation capabilities, strengthening India's knowledge economy.

Research and Innovation Initiatives in Strengthening Higher Education

Research and innovation constitute the core drivers of quality and excellence in any higher education system. Universities are not merely centers for teaching and knowledge dissemination; they are also spaces for discovery, experimentation, and problem-solving. Recognizing this, the National Education Policy 2020 places strong emphasis on promoting research culture and innovation ecosystems within higher education institutions to transform India into a knowledge-based economy.

1. Research as a Foundation for Academic Quality

Research enhances the depth and relevance of higher education by linking theoretical learning with practical application. Institutions actively engaged in research tend to provide updated curricula, improved teaching methodologies, and greater exposure to contemporary developments. Faculty members involved in research bring new insights into classrooms, thereby enriching students' learning experiences. Thus, strengthening research directly contributes to improving academic standards and institutional reputation.

2. Establishment of Structured Research Support Systems

To institutionalize research development, NEP proposes the creation of the National Research Foundation, which aims to:

- Provide competitive funding for research projects
- Support interdisciplinary and innovative studies
- Encourage collaboration between universities and industries
- Promote research culture in state and rural institutions

This structured support mechanism addresses long-standing issues such as inadequate funding, lack of coordination, and limited research opportunities, especially in public universities.

3. Integration of Research with Teaching

A major reform introduced by the policy is the integration of research activities at the undergraduate and postgraduate levels.

Traditionally, research was limited to doctoral programs; however, NEP encourages:

- Four-year undergraduate degrees with research components
- Project-based and experiential learning
- Innovation labs and incubation centers
- Student participation in field studies and applied research

This approach fosters analytical thinking, creativity, and problem-solving skills from an early stage, making learning more engaging and practical.

4. Promotion of Innovation and Entrepreneurship

Innovation is closely linked with research productivity. NEP promotes the establishment of incubation centers, startup hubs, and technology parks within universities to translate research outcomes into commercial and social solutions. Industry-academia partnerships enable students to gain real-world exposure and contribute to product development, patents, and startups. This strengthens the link between education and economic growth while enhancing employability.

5. Interdisciplinary and Collaborative Research

Modern global challenges such as climate change, public health, digital transformation, and sustainable development require interdisciplinary solutions. NEP encourages collaborative research across disciplines, institutions, and sectors. Such collaboration improves resource sharing, broadens perspectives, and leads to more innovative and impactful research outcomes.

6. Enhancement of Global Competitiveness

Research output is a key criterion in international university rankings. Increased publications, patents, and funded projects enhance institutional visibility and credibility. By strengthening research ecosystems, NEP aims to position Indian universities as global knowledge hubs, attract international collaborations, and improve their standing in the global academic community.

Conclusion

The present paper examined the transformation of India's higher education system under the National Education Policy 2020, with particular focus on access, structural reforms, academic flexibility, and research and innovation. The analysis confirms that NEP 2020 provides a comprehensive and forward-looking framework aimed at addressing long-standing deficiencies in the higher education landscape while aligning the

system with global standards of quality and competitiveness.

The findings reveal that India's higher education sector, despite being one of the largest in the world, has historically faced issues such as low enrolment ratios, fragmented governance, rigid curricula, limited research output, and inequalities in access. The policy reforms attempt to overcome these challenges through multidisciplinary institutions, flexible learning pathways, enhanced autonomy, and strong research ecosystems. Although implementation is still at an evolving stage, early trends indicate gradual improvements in participation, institutional restructuring, and innovation activities.

The conclusions of the study are closely correlated with the stated objectives as follows:

The examination of the pre-reform scenario highlighted structural inefficiencies, low Gross Enrolment Ratio, inadequate infrastructure, and limited research culture. These baseline conditions justified the urgent need for reform. The study concludes that understanding this initial status was essential to evaluate the relevance and necessity of NEP 2020. The policy directly responds to these gaps by expanding access, improving quality, and promoting inclusivity.

The study confirms that NEP 2020 introduces significant structural and academic changes, including multidisciplinary universities, multiple entry–exit options, credit transfer systems, curriculum flexibility, and institutional autonomy. These reforms modernize the traditional higher education model and make it more learner-centered and skill-oriented. The conclusion drawn is that such changes enhance adaptability, reduce dropout rates, and improve employability, thereby fulfilling the objective of transforming the academic framework.

The findings demonstrate that the emphasis on research funding, innovation hubs, and collaboration through mechanisms such as the National Research Foundation strengthens knowledge creation and academic excellence.

Integrating research into teaching promotes critical thinking and problem-solving abilities among students. The conclusion is that research and innovation are vital pillars for improving institutional quality and global competitiveness, thus achieving the intended objective of strengthening higher education.

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