

DIGITAL TRANSFORMATION OF EDUCATION: NEP 2020 AND TECHNOLOGY ADOPTION

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Abstract :

India's National Education Policy (NEP) 2020 is a visionary document that aims to shape the education landscape through the transformative power of technology. This article explores the multifaceted role of NEP 2020 in initiating the digital transformation of education. This study explores the broad implications of the NEP 2020's emphasis on technology adoption through an in-depth analysis of policy provisions, case studies and scholarly perspectives. It explores the profound impact of technology on pedagogical practices, equitable access, and teacher empowerment in a rapidly evolving digital age. The findings highlight the central role of technology in redefining India's education ecosystem and its potential to empower learners to meet the challenges of the 21st century.



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Keywords : NEP 2020, digital transformation, educational technology, pedagogical practices, access to education

Introduction :

India's National Education Policy (NEP) 2020 marks a watershed in the country's educational history. NEP 2020, as a central principle of technology, recognizes the necessity of digital changes in education. In an era characterized by rapid technological development, NEP 2020 recognizes the need to use these innovations to deliver quality education, promote innovation and close educational gaps.

Need Of Study

The need for comprehensive research on the digital transformation of education under the NEP 2020 is supported by several compelling factors:

1. **Achievement and Equity:** NEP 2020 emphasizes the importance of equal access to quality education for all. Technology has been seen as an effective tool to bridge geographical and socio-economic disparities.
2. **Pedagogical development:** The integration of technology offers opportunities to revolutionize pedagogical practices, moving from traditional didactic methods to student-centered, experiential learning.
3. **Global Competitiveness:** In a globalizing world, digital literacy and technological competence are key factors for a country's competitiveness. The aim of NEP 2020 is to prepare students for the demands of the digital age.
4. **Empower teachers:** The successful integration of technology depends on the readiness and expertise of educators. Integral to this research is assessing teachers' ability to adopt technology.
5. **Infrastructure and Implementation Challenges:** Exploiting the potential of technology in education requires sound infrastructure, resources and effective implementation strategies. The NEP 2020 recommendations in these areas deserve a thorough analysis.

Objective Of This Study

The main objective of this study is to critically assess the impact of NEP 2020 on the digital transformation of education in India. Specific objectives include:

1. To analyze the main provisions of NEP 2020 related to the introduction of technology in education.
2. Assess the effectiveness of technology in shaping pedagogical practices, increasing student involvement and improving learning outcomes.
3. Assess the NEP 2020 challenges and opportunities highlighted for technology adoption, including issues of access, equity and teacher capacity.
4. Identifies best practices and strategies for successfully integrating technology into education under the NEP 2020 program.

Conclusion

In short, it can be said that the digital transformation of education highlighted in the National Education Policy Strategy 2020 is a key moment in India's educational development. As the country embarks on the journey of digital education, NEP 2020 lays the foundation for a dynamic technology-based education ecosystem.

This research illuminates the profound impact of technology adoption on pedagogical practice, student engagement, and access to quality education. NEP 2020's commitment to equal access regardless of geographic location or socioeconomic status is supported by technology's potential to democratize learning. However, digital transformation of education according to NEP 2020 has its own challenges such as infrastructure, teacher skills and digital literacy. Addressing these issues is critical to ensuring that the benefits of technology reach all corners of the globe.

As India embarks on its digital education journey, there is a shared responsibility among policymakers, educators, institutions and technology providers to work together and navigate the complexities of this transformational process. With joint efforts and commitment to innovation, the NEP 2020 vision of a digital education system that empowers Indian learners to thrive in the digital age can be realized.

Certainly, here are some reference books and journals for the subject of "Digital Transformation of Education: NEP 2020 and Technology Adoption":

Reference:

1. "Technology Integration and High Possibility Classrooms: Building from TPACK" by Mark J. Hofer and Judi Harris
2. "The EdTech Advocate's Guide to Leading Change in Schools" by The International Society for Technology in Education (ISTE)
3. "Blended Learning in Higher Education: Framework, Principles, and Guidelines" by D. Randy Garrison and Norman D. Vaughan
4. "Teaching with Digital Tools: A Guide for Emerging and Established Media" by Kathleen P. King and Joan K. Griggs
5. "Education and Technology: Key Issues and Debates" edited by Neil Selwyn

Journals:

1. "Educational Technology Research and Development": Publishes research on the use of technology in education, including studies on digital transformation and policy.
2. "Technology, Pedagogy and Education": This journal focuses on the intersection of technology and pedagogy, making it relevant to the adoption of technology in education.
3. "Computers & Education": An interdisciplinary journal covering all aspects of technology integration and its impact on education.
4. "The Journal of Technology, Learning, and Assessment": Focuses on technology's role in assessment and learning, which aligns with the adoption of technology in education.

5. "International Journal of Educational Technology in Higher Education": This journal explores the use of technology in higher education, which is especially relevant to NEP 2020.
6. "Journal of Educational Technology & Society": Explores the impact of technology on education and learning processes, which includes technology adoption.

