Teacher Education Programs, Teacher Challenges and Perspectives on NEP-2020

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ABSTRACT

The NEP-2020 aims to transform teacher education by focusing on quality, making the profession more attractive, and incorporating continuous professional development. It introduces a 4-year integrated B.Ed. program and short local teacher education programs, all while promoting multidisciplinary approaches and integration with universities. The policy also emphasizes practical training, national professional standards, and ensuring all teachers are professionally educated or certified by 2030. NEP-2020 proposes the introduction of a four-year integrated teacher education programme by 2030, replacing the existing fragmented system. This programme emphasizes a multidisciplinary approach, combining theoretical knowledge with practical classroom experience. NEP-2020 is the first education policy of the 21st century and the successor to his 34-year-old National Policy on Education (NPE) in 1986. Aiming to make both school and university education more inclusive, flexible and interdisciplinary to meet the needs of the 21st century, and to highlight the unique abilities of each student, we aim to bring India to a vibrant knowledge base. Transform society into a global knowledge superpower. The policy was developed via an extensive collaborative process that was unmatched in scope and depth The NEP-2020 policy provides for reforms at all levels of education from school to higher education. NEP aims to increase the focus on strengthening teacher training, reforming the existing exam system, early childhood care and restructuring the regulatory framework of education. Teacher education as a whole needs urgent and comprehensive reform. There is a need to bring greater convergence between professional preparation and continuing professional development of teachers at all stages of schooling in terms of

level, duration and structure. Considering the complexity and significance of teaching as a professional practice,

NEP-2020 aims to revolutionize teacher education in India by emphasizing a 4-year integrated Bachelor of Education (B.Ed.) degree, transitioning to a more multidisciplinary approach in teacher training. It also promotes continuous professional development, improved teaching practices, and the use of technology in the classroom. The policy also emphasizes the need for teachers to be well-equipped to handle diverse learners and address social and emotional needs.

The creation of capable instructors is a major difficulty in the modern society. A suitable Teacher education plan needs to be developed as the role of the teacher has become more difficult due to growing knowledge in pedagogical and psychological theories, as well as philosophical and social perspectives.

- ❖ *Shift to 4-year Integrated Teacher Education Programs (ITEPs):* NEP-2020 mandates a 4-year B.Ed. degree or ITEP, replacing shorter programs.

- ❖ *Multidisciplinary Approach:* Teacher training will be integrated into multidisciplinary colleges and universities, fostering a broader skillset for teachers.

- ❖ *Emphasis on Continuous Professional Development:* The policy highlights the need for continuous training and skill upgrades for teachers throughout their careers.

- ❖ *Improved Teaching Practices:* NEP-2020 encourages the adoption of student-centric, experiential, and inquiry-based learning methods, moving away from rote memorization.

- ❖ *Technology Integration:* Teachers will be trained to effectively use technology in the classroom, facilitating digital learning.

- ❖ *Addressing Diverse Learners:* Teachers will be prepared to cater to diverse learning needs, including those of students with special educational needs.

- ❖ *Focus on Social and Emotional Development:* Teachers are expected to foster not only academic growth but also moral, ethical, and social responsibility among students.

- ❖ *Improved Working Conditions:* The policy also addresses the need for better working conditions for teachers, including improved resource sharing and a reduction in non-teaching tasks.

CHALLENGES AND OPPORTUNITIES

Transformation of Teacher Education Institutions

Existing Teacher Training Institutions (TTIs) may need to adapt to the new requirements of NEP-2020, potentially requiring significant changes in infrastructure and curriculum.

❖ *Recruitment and Training:* Attracting and retaining quality teachers will be crucial, requiring a focus on attracting the best and brightest individuals to the profession.

❖ *Addressing Inequality:* The policy aims to ensure equitable access to quality education for all, but addressing disparities in teacher quality and resource availability remains a challenge.

In essence, NEP-2020 envisions a transformed teacher education system that prepares educators to meet the challenges and opportunities of the 21st century, fostering a more inclusive, equitable, and effective education system:

❖ *Positive Attitude towards Change:* Many educators show a positive attitude towards adapting to the NEP, but significant challenges need to be addressed for effective implementation.

❖ *Need for Continuous Support and Development:* Teachers need ongoing support, mentorship, and opportunities for collaboration to effectively implement the NEP's vision.

❖ *Importance of Teacher Education:* NEP-2020 recognizes the crucial role of teachers and emphasizes the need for high-quality teacher education.

❖ *Addressing the Digital Divide:* The digital divide and the need for better digital literacy among teachers remain a challenge in realizing the full potential of NEP-2020.

❖ *Leveraging Technology:* NEP-2020 provides opportunities for teachers to leverage technology-enabled learning and collaborative research.

❖ *Challenges in Science Education, Teacher Education:* In science education, teachers face challenges related to resource constraints, outdated teaching methods, and the need for continuous professional development, particularly in light of the NEP-2020's emphasis on holistic and multidisciplinary approaches. NEP-2020, while promoting a modernized and inclusive education system, also presents challenges for teachers in adapting to new pedagogical approaches and leveraging technology effectively, particularly in science education. Like as

❖ *Resource Constraints:* Lack of adequate labs, equipment, and teaching materials hinders practical science learning.

❖ *Outdated Teaching Methods:* Reliance on traditional lecture methods struggles to engage students and foster deeper understanding, especially in science.

❖ *Need for Continuous Professional Development:* Teachers need ongoing training to stay updated on the latest research, pedagogical techniques, and technology integration.

❖ *Holistic and Multidisciplinary Approach:* NEP-2020 emphasizes a multidisciplinary approach, requiring teachers to be equipped with a broader knowledge base and skills to integrate different subjects.

❖ *Emphasis on Technology:* The policy promotes the use of technology in teaching and learning, but teachers may need training and support to effectively integrate it.

❖ *Change in Teaching-learning Styles:* The new policy suggests new methods of dealing with children, potentially challenging teachers who are used to old methods.

❖ *Infrastructure and Resource Issues:* The NEP envisions extensive reforms, including universal access to education, but infrastructure deficiencies and resource limitations can hinder its successful implementation.

❖ *Teacher Training and Quality:* Implementing teacher training on a large scale is a significant challenge, especially in the context of NEP-2020's emphasis on quality education.

❖ *Need for Orientation to Teacher towards Multidisciplinary Education:* The current educational system does not provide college and university teachers with formal pedagogy training or orientation. The goal of the policy is to replace single-disciplinary higher education institutions with multidisciplinary ones. This objective's path has been laid out with the best of intentions. Teacher educators must receive the necessary training for this aim. For NEP-2020 to achieve such ambitious goals, teachers, educators, and administrative staff must have the proper training. Proper implementation will provide issues in the near future system. Parents, teachers, grandparents, and educators from two or more generations will be involved in the mentality transformation.

The NEP must take the place of a generation that prioritized STEM education. The process of changing this perspective will be difficult in many ways. However, the government can achieve this by using a lot of soft power.

❖ *Need to Control over Teacher Education Institutions:* The regulating organizations for teacher education must be given the authority to impose strict penalties on teacher education institutes (TEIs) that do not adhere to fundamental educational standards. The NCTE is a regulatory agency that has influence over how teacher education institutes operate and how well they educate their students. The educational standards of these institutions are established and upheld by it. However, the number of institutions offering teacher education has grown so dramatically over the past few years that it is difficult to keep track of them all. Some of these organizations are sacrificing quality solely for financial gain.

❖ *Need for Raising the Bar for Teachers:* The nation needs the best and brightest people to enter the teaching profession at all levels. Additionally, as they are the ones who truly mould the next generation, teachers in society need to be restored as the most revered individuals. In order to ensure the success of the NEP, work must also be done to eliminate all kinds of personal and professional obstacles that prevent people from working in remote locations.

❖ *Need to Revamp the Admission Policy for Teacher Education Programmes:* The application process for programmes in teacher education has many flaws. Students who are denied admission to universities and other HEIs enroll in B. Ed programmes at Teacher Education Institutions. In reality, there is no set protocol that must be followed when admitting students to programmes for teacher education. No aptitude or attitude test is given to kids to assess their preferences. Any applicant who meets the basic requirements is accepted. 4

RESEARCH PROBLEM AND OBJECTIVES

This paper examines the challenges and issues in implementing India's National Education Policy 2020, with a particular focus on transforming teacher education programs. Analyze the specific challenges and problems in implementing the NEP-2020, especially in the context of teacher education. Provide insights and recommendations on how India can effectively address these challenges and promote "quality education for all" to benefit the global community. By addressing these objectives, the paper aims to contribute to the ongoing discourse on education reform in India and provide a roadmap for the successful implementation of the NEP-2020. 1.3 Significance of the Study This study explores the transformation of teacher education programs under the National Education Policy 2020. It aims to provide insights and recommendations to key stakeholders, including policymakers, educational institutions, and educators. The paper will highlight the key changes proposed by the NEP-2020 in teacher education, analyze the potential impact on teaching quality and educational effectiveness, identify implementation challenges, and offer practical recommendations. The study is significant for informing educators' professional development, guiding policymakers' implementation of NEP-2020 reforms, and enabling academic institutions to enhance their curricula and teaching methods to improve education quality in India.

Challenges in Teacher Education

The Challenges of Teaching & Learning As teachers work to engage and educate this generation of students, they face the following challenges: Learning must be relevant to students. Learning means more when Millennials understand practical applications for the information they receive. Content must be specific, concise and fast. Millennials are hungry for information and will search for it on their own if teachers do not present what they

perceive to be relevant. Because so much information is constantly available, Millennials do not feel they need to learn everything immediately. Instead, they want to be taught how and where to find what they need when they need it. Technology can be distracting. Although Millennials respond best to high technology, these students and more often their teachers may become very distracted by it. ICT in the classroom requires students and educators to be taught how and when to use technology as a tool appropriately and safely. Technology can be expensive. The costs associated with implementing new technological resources in academic institutions are daunting. Funding hardware, software, infrastructure, professional development and technical support must be an ongoing priority. ICT costs are recurring, as is the need for teachers to be repeatedly trained and prepared to use technology. Teaching Methods: Integrating Education In the process of integrating Education, how to teach is more important than what to teach. Classroom activities must attempt to give students an understanding of their traditions and teach them what they need to know in order to exercise their responsibilities as citizens. The teaching methods should be used deliberately to support learning aims to relate the knowledge, skills and attitudes of Teacher Education. The methods which are helpful in making teacher education a subject of study, concern and action both in the classroom and beyond are:

- ❖ Cooperative learning
- ❖ Group discussion
- ❖ Peer teaching
- ❖ Brain storming
- ❖ Role play
- ❖ Energizers
- ❖ Storytelling
- ❖ Dialogues
- ❖ Service learning
- ❖ Experiential teaching

Inquiry based learning and teaching. Challenges Ahead Today the world is interconnected and interdependent. We are facing the challenges such as climate change, health epidemics, global poverty, global economic recessions and trade imbalances, assaults on human rights, terrorism, political instability, and international conflicts. It is important to recognize the crucial role of education in contributing to building a culture of peace and condemning instances in which education is undermined in order to attack democracy and tolerance.

CONCLUSION

The National Education Policy 2020 represents a transformative shift in India's approach to education, aiming to comprehensively address the challenges of the 21st century. With its multi-pronged focus on improving access, equity, quality, and relevance, the policy holds immense promise for better preparing Indian students to thrive in the evolving global landscape. While the implementation of these ambitious reforms undoubtedly faces significant challenges, the potential benefits for students, teachers, and society as a whole are substantial. By investing in the enhancement of teaching quality, the improvement of student learning outcomes, and the alignment of the education system with the diverse needs of all stakeholders, the NEP-2020 has the power to drive meaningful and sustainable change in India's education landscape. This holistic transformation can pave the way for the empowerment and development of future generations, equipping them with the knowledge, skills, and mindset required to navigate the complexities of the 21st century and contribute to the country's continued progress and prosperity

REFERENCES

Aktar, S. 2021. New education policy 2020 of India: A theoretical analysis. *International Journal of Business and Management Research*, **9**(3): 302-306.

Badiozaman, I.F.B.A. 2019. *Rethinking English Language Education in Malaysia*, **16**(1): 349-359.

Bashir-Ali, K. 2011. Socio-cultural theory and its place in the development of the teacher education program at the of Technology. *Emerald Publishing Limited*, **4**(2): 106-113.

Dange, J.K. and Siddaraju, J. 2020. Role of Teacher Training Program in Enhancing Quality Education. *Science Publishing Group*, **5**(6): 137-137.

Darling-Hammond, L., Hyler, M.E. and Gardner, M. 2017. *Effective Teacher Professional Development*. https://doi.org/10.54300/122.311

Donaher, M. and Wu, N. 2020. *Cambodia's New Generation Schools Reform*. Springer Nature (Netherlands), pp. 103-120.

Eun, B. 2021. *Teachers learning to teach: professional development based on sociocultural theory for linguistically and culturally diverse classroom.* Taylor & Francis, **49**(5): 914-924.

Han, X. 2012. *Big moves to improve the quality of teacher education in China*. Emerald Publishing Limited, **20**(4): 324-335.

Kanjilal, A., Manzar, O. and Sharma, P. 2022. *Democratising Technological Innovation through Makerspaces.* https://doi.org/10.56059/pcf10.2751

Korthagen, F., Loughran, J. and Russell, T. 2006. *Developing fundamental principles for teacher education programs and practices*. Elsevier BV, **22**(8): 1020-1041.

Kumar, K., Prakash, A. and Singh, K. 2020. *How National Education Policy 2020 can be a lodestar to transform future generation in India.* Wiley, **21**(3).

Kumar, R. and Ganesh, R.S. 2022. *Dealing with online and blended education in India.* Springer Science + Business Media, **49**(2): 195-201.

Malik, S.B. 2021. *National Education Policy 2020 and Its Comparative Analysis with RTE,* **7**(1): 1-7. https://doi.org/10.21694/2378-7031.21003

Mukan, N., Myskiv, I. and Kravets, S. 2016. The Characteristics of the Systems of Continuing Pedagogical Education in Great Britain, Canada and the USA. *De Gruyter Open,* **6**(2): 20-25.

Muralidharan, K. and Singh, A. 2021. India's new National Education Policy: Evidence and challenges. *American Association for the Advancement of Science,* **372**(6537): 36-38.

Muralidharan, K., Shanmugan, K.S. and Klochkov, Y. 2022. The New Education Policy 2020, Digitalization and Quality of Life in India: Some Reflections. *Multidisciplinary Digital Publishing Institute,* **12**(2): 75-75.

Putra, P. 2012. *Towards Constructivist Teacher Professional Development,* **8**(3): 318-324.

Rout, S. and Behera, S.K. 2014. Constructivist Approach in Teacher Professional Development: An Overview. *Science and Education Publishing,* **2**(12A): 8-12.

Sardana, V., Verma, S. and Singhania, S. 2021. *Motivational Factors that Influence Choosing Teaching as a Career: A FIT-Choice Study of Preservice and Inservice Teachers in India.* ÜNİVERSİTEPARK Limited, **10**(2).

Shukla, T.D., Singh, H., Bishnoi, A. and Padda, A.S. 2023. Alignment of India's National Education Policy 2020 with the United Nations' Sustainable Development Goals: A Path towards Quality Education for All. *GSC Online Press,* **19**(3): 049-054.

S K. 2023. *NEP-2020 - Opportunities and Challenges,* **5**(3). https://doi.org/10.36948/ijfmr.2023.v05i03.4133

Some Inputs for Draft National Education Policy 2016. 2017. SAGE Publishing, **4**(2): 186-223.

Tuli, F. and Oljira, T. 2020. *Exploring the Challenges of Initial Teacher Preparation: Voicing the Concerns from the Field,* **1**(1): 22-35.

Twining, P., Raffaghelli, J.E., Albion, P. and Knezek, D. 2013. *Moving education into the digital age: the contribution of teachers' professional development.* Wiley-Blackwell, **29**(5): 426-437.