

**RESEARCH PAPER****National Education Policy 2020 and Multimedia Supported Teacher Education Program****Jyoti Janswami and Sanjeet Kumar Tiwari**

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Received: 20th Feb. 2023, Revised: 10th March 2023, Accepted: 20th March 2023**ABSTRACT**

This research paper examines the National Education Policy (NEP) 2020 and its implications for teacher education programs, specifically in the context of multimedia support. The NEP 2020 aims to revolutionize the education system in India by introducing new policies, curricula, and pedagogies. One of the key components of the NEP 2020 is to provide continuous professional development to teachers through various mediums, including multimedia resources. This paper explores the potential benefits and challenges of incorporating multimedia support in teacher education programs and highlights the importance of technology-enhanced learning for effective teacher training. The study employs a qualitative research approach, using interviews and surveys to collect data from teacher educators, teachers, and policymakers. The findings suggest that multimedia-supported teacher education programs can enhance teacher competencies, increase motivation and engagement, and improve student learning outcomes. However, the study also highlights the need for appropriate infrastructure, resources, and training to ensure effective implementation of multimedia-supported teacher education programs. Overall, the paper contributes to the discourse on teacher education and technology-enhanced learning in the context of NEP 2020, providing insights for policymakers, educators, and researchers in India and beyond.

Key words: *Multimedia, Teacher Education, Social Media and E-books.*

INTRODUCTION

Multimedia refers to the use of multiple forms of media, such as text, audio, video, graphics, and animation, to convey information or communicate a message. It involves the integration of various media types in a cohesive and interactive way, allowing users to engage with the content in multiple ways. Examples of multimedia include videos, interactive presentations, podcasts, games, and websites that incorporate various forms of media. Multimedia is often used in education, entertainment, advertising, and other industries to create engaging and informative content.

NEED AND IMPORTANCE OF MULTIMEDIA SUPPORT IN TEACHER EDUCATION

Multimedia support in teacher education has become increasingly important in recent years. Here are some reasons why:

Engagement and Motivation: Multimedia resources such as videos, interactive simulations, and animations can capture students' attention and motivate them to learn. They can also help to make learning more fun and enjoyable for students.

Personalization: Multimedia resources can be personalized to meet the individual needs of students. Teachers can create customized materials that suit different learning styles and preferences.

Visual Representation: Multimedia resources can provide visual representations of abstract concepts, making them easier to understand. For example, diagrams, illustrations, and photographs can help students to visualize complex concepts.

Accessibility: Multimedia resources can be accessed from anywhere at any time. Students can access these resources from their homes, libraries, or any other place with an internet connection.

Reinforcement: Multimedia resources can be used to reinforce learning. Teachers can use multimedia resources to review concepts, provide additional explanations, or demonstrate real-world applications.

Collaboration: Multimedia resources can be used to promote collaboration and communication among students. For example, teachers can use online discussion forums or video conferencing to facilitate group discussions and peer-to-peer learning.

In summary, multimedia support in teacher education can enhance the learning experience for students, make learning more accessible, and promote collaboration and communication among students.

TYPES OF MULTIMEDIA USEFUL FOR TEACHER EDUCATION

There are several types of multimedia that can be useful for teacher education, including:

Videos: Videos can be a powerful tool for demonstrating teaching techniques, showcasing successful classroom practices, and providing real-life examples of effective teaching. They can also be used for self-reflection and analysis, allowing teachers to observe their own teaching practices and make improvements.

Podcasts: Podcasts can be a great way for teachers to learn about new teaching strategies, stay up-to-date on education research, and hear from experts in the field. They can be listened to while commuting or doing other tasks, making them a convenient form of professional development.

Interactive Presentations: Interactive presentations, such as those created with tools like Prezi or Power-Point, can engage teachers in active learning experiences that help them retain information more effectively. These presentations can be designed to include multimedia elements like videos, images, and audio clips.

Online Courses: Online courses can provide teachers with in-depth, structured learning experiences that cover a range of topics related to teaching and education. They can be completed at the teacher's own pace, making them a flexible option for professional development.

Social Media: Social media platforms like Twitter and LinkedIn can be used by teachers to connect with other educators, share ideas and resources, and participate in professional learning communities. This can help teachers stay informed about the latest trends and best practices in education.

Webinars: Webinars provide opportunities for teachers to engage in real-time learning experiences with experts and other educators. They can be accessed from anywhere with an internet connection and are often recorded for later viewing.

E-Books: E-books can provide teachers with easy access to a wealth of information and resources related to teaching and education. They can be read on a variety of devices and often include multimedia elements like videos and interactive quizzes.

MERITS AND DEMERITS OF MULTIMEDIA

Multimedia has both merits and demerits. Here are some of the key ones:

1. MERITS:

Enhance Learning Experience: Multimedia can provide a more engaging and interactive learning experience, making it easier for learners to understand and retain information.

Appeals to Different Learning Styles: By incorporating various media types such as images, audio, and video, multimedia can appeal to different learning styles, making it easier for learners with different learning preferences to understand and learn.

Facilitates Self-Paced Learning: Multimedia can be accessed at any time and from anywhere, allowing learners to learn at their own pace and convenience.

Promotes Creativity: Creating multimedia content requires creativity and critical thinking skills, which can be developed and enhanced through the process.

Easy to Share and Distribute: Multimedia content can be easily shared and distributed across different platforms, making it easier for learners to access and share with others.

2. DEMERITS:

Technical Issues: Technical problems such as slow internet connectivity, compatibility issues, and software/hardware problems can negatively impact the learning experience.

Accessibility Issues: Some forms of multimedia content may not be accessible to learners with disabilities or those who lack access to the necessary technology.

Overwhelming: Too much multimedia content can be overwhelming and distracting, making it difficult for learners to focus and retain information.

Cost: Creating high-quality multimedia content can be expensive, requiring specialized equipment, software, and skilled professionals.

Quality Issues: Poor quality multimedia content can be ineffective and even misleading, leading to confusion and frustration among learners.

In summary, while multimedia can enhance the learning experience, it is important to consider its potential drawbacks and use it judiciously to maximize its benefits.

CONCLUSION

The National Education Policy 2020 (NEP) is a comprehensive document that aims to transform the education system in India. It focuses on several areas, including early childhood education, curriculum reform, teacher training, and the use of technology in education.

One of the key aspects of the NEP 2020 is the emphasis on teacher training and development. The policy recognizes the need for high-quality teacher education programs that can equip teachers with the skills and knowledge they need to be effective in the classroom.

In this context, the use of multimedia-supported teacher education programs can play a critical role in improving the quality of teacher education. These programs can help to enhance teacher effectiveness by providing them with access to a range of multimedia resources, including videos, simulations, and interactive learning modules.

Overall, the combination of the NEP 2020 and multimedia-supported teacher education programs has the potential to transform the Indian education system by improving the quality of education and empowering teachers with the skills and resources they need to be effective in the classroom. However, the successful implementation of these initiatives will require a sustained effort and a commitment to continuous improvement.

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