

THE ROLE OF INFORMATION LITERACY AND TECHNOLOGY IN NATIONAL EDUCATION POLICY

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INTRODUCTION

The National Education Policy (NEP) is a transformative framework aimed at overhauling the Indian Education system to meet the demands of the 21st century. Information technology plays a vital role in this policy driving innovation accessibility and quality in education. Information literacy, the ability to recognize when information is needed and to locate evaluate and use it effectively is crucial in today's knowledge driven world. This article drive into the various role and importance of information literacy and technology

INFORMATION LITERACY

Information literacy encompasses a set of skill essential for lifelong learning, it include ability to identify information need access information efficiency and effectively ,evaluate information, critically use information ethically and legally integrate new information into existing knowledge. This usually refers to a policy framework guiding educational practices and reform in a country.

INFORMATION TECHNOLOGY

Information technology is a cornerstone in national education policy driving the transformation of India's education system with a strong push towards digitization. The NEP advocate for the use of the information technology in teaching learning process use in the classroom digital libraries online resources and virtual lab will became more effective and prevalent those provide and share informative information to the student and teaching them to navigate and assess digital information.

Enhancing digital infrastructure

a. Digital classroom

NEP2020 emphasizes the development of digital classroom to facilitate interactive and engaging learning experiences school and Higher education institution are encouraged to adopt smart classroom technologies included interactive white board projectors and digital learning management system

b. Online resources

The policy advocate for the creation and overall spread of high quality digital content. This included e-books educational video and virtual lab making learning resources easily accessible to students regardless of their geographical location.

2. digital literacy

a. curriculum integration

Digital literacy is an essential part of the curriculum under NEP 2020 student are taught to use digital tools effectively search for information online evaluate digital content and understand the ethical aspects of digital interaction

c. Teacher Training

To arrange continues academic professional development program on information technology and information literacy for teachers. This ensure educators are equipped to integrate IT into their teaching practices and guide student in navigating the digital world.

3. Facilitating distance learning

a. online and blended learning

The NEP support the adoption of online and blended learning models this approach combines traditional face to face instruction with online learning providing flexibility and personalized learning experiences for student

B. Moocs and E-Learning platform

The policy promotes the use of massive open online courses(MOOCs) and other E-Learning platforms. These platforms offer a wide range of courses allowing student to learn at their own choice and pace for gain knowledge, acquire some new in this global and technical era and developed all ourself from global recognized institution.

4. Supporting Inclusive Education

A . Accessibility.

IT plays a important role in making education accessible to all including students with disabilities. The NEP2020 encourage the development of assistive technologies and accessible digital content to ensure that every student has equal learning opportunities

b. Bridging the Urban-Rural Divid

By leveraging technology the NEP aims to bridge the urban rural education gap. Digital resources and online learning platforms provide rural student access to quality education ,previously limited to urban centers

5. Innovation and Research

a. Virtual lab and Simulation

virtual lab and simulations are integral to fostering a research mindset among students. These tools allow students to conduct experiments and engage in practical learning experiences even in resource-constrained setting.

b. Research collaboration

Its very important to implement information technology in NEP encourage the use of digital platform to share research findings collaborate on project and drive innovation. IT facilitates collaboration between educational institutions researcher and industry partners.

6. Ensuring Data-Driven Decision Making

a. Educational Management Information System

the new education policy suggested to use of EMS for collect , analyses, and utilize educational data. These system help in tracking student performance ,identifying areas for improvement and making informed policy decision.

b. personalize Learning

NEP mainly focused on all over development of student data analytics and artificial intelligence enable personalize learning experiences. By analyzing student data, educators can tailor instruction to meet individual need enhancing learning outcomes.

7. Building of National Repository of Education Data

A .National Educational Technology Forum

National Education Technology Forum will serve as a platform to facilitate the exchange of idea ,research and best practices related to the use of technology in education

b. data repository

a comprehensive repository of educational data will be created, encompassing information on students teachers institution and learning outcomes .this repository will support policy formulation and educational planning

8. Ethical use of Information

The new education policy underscore the importance of teaching ethical practices regarding information use . This includes understanding intellectual property rights, plagiarism ,and the ethical implication

CONCLUSION

Information technology is a corner stone of the new education policy driving the transformation of India's education system. From enhancing digital infrastructure and promoting digital literacy to facilitating distance learning and fostering innovation ,IT is integral to achieving the policy's goal. By focusing on critical thinking technological integration and ethical information use the policy aims to equipped students with the necessary skills to thrive in an information rich world. While challenges exist ,the policy's holistic approach provides a pathway to overcoming them, ultimately fostering a more informed and capable generation.

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