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TECHNOLOGY AND ONLINE RESOURCES IN TEACHING & LEARNING PROCESSES

Author: *Sunny Sharma*

Author: *Professor, Hindu College, Amritsar*

ABSTRACT

The convergence of education with technology has boosted new avenues of foresight for the progress of mankind. Education and technology are the basic pillars for any country in terms of development and national progress. Nowadays, without these the growth of any nation is not possible, without an educational system, the nation cannot compete itself at global level. Moreover, the education policies and the technologies are the bidirectional; advances technology. This integration has achieved pinnacle of system and an educational policy advances technology. This integration has achieved pinnacle of success and currently, technologies like Artificial Intelligence, Machine Learning, Cloud Computing, Blockchain and other latest hardware and software like smart boards, handheld computing devices, digital writing pads, online teaching App's, adaptive computer testing process for student development, etc. changes the classroom learning environment from offline to online as well as improves the online learning classrooms process. With this advancement now students not only learn effectively in the classroom. The students can decide their learning style, together with implementations of concepts in real life as well as with their benefits & pitfalls etc. This sort of change in the learning process reduces the gap between educated and uneducated society, now everyone can achieve education easily. In light of the foregoing changes, this paper investigates the latest technologies, focusing on the relationship and gaps between education policy and technology; the critical role of technology in educating societal development, and the role/importance of technology in national progress together with teaching & learning process.

INTRODUCTION

Education is the mother of leadership which lays down the foundation for a better future. An educated leadership together with innovative education policies and latest technology can sprout an educated society, which can empower the national future, community life, and also can burgeon digitally empowered society. Education and technology are the magical key factors for a successful country; their real economic growth, wealth creation, and helpful for change in the quality of life of individuals. The education policies must be flexible enough to adapt technological change at any time in order to achieve above said factors. In lieu of that the similar changes have been imparted in the framework of NEP (New Education Policy)-2020, where students can learn anything, anywhere at any time whether online or offline through their multiple entry and exit programs at their various levels of education; even they can learn in their native languages also. [6] This flexible environment for learning and can learn in the advancement in technology, where the student can learn effectively at their earliest stage of study and can take exit from their study program for implementation of their thoughts or knowledge in real life environment and can take entry back to the next stage to update their knowledge or even they can take admission in some different course with the combination of different subjects in later stages of their study carrier. According to NEP 2020, it is a challenge to create an autonomous body: NETP (National Educational Technology Forum), will be created in order to provide a platform for the use of technology to reinforce learning, planning

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Establish suitable infrastructure in educational technology for effective learning

- Express new research and innovation strategies for future development
- Guide state and central government agencies with unbiased evidence-based advice on technology based solutions [4]

The impact of these technological involvements surely will lead to the access to education, support teachers' skill preparation, professional development, and improve teaching learning and evaluation process. The NETF will also streamline educational planning, management & administration, including procedures related to admissions, attendance etc. For all of the aforementioned goals, the latest educational software will be created and made accessible to the students and teachers. Also it learning material will be developed in the regional languages by state and other official bodies and it will be uploaded on the platform DIKSHA which will be available to teachers and students as well. The focus will be on the use of the latest technology for this e-learning content & software's. The NETF will notify the changes and govern the emergence demand of latest technology. From the MHRD and NERD will identify and govern the emergence demand of latest technology. From the educational institution as well. This leads to providing digital advance technologies to the students and teachers of the schools, colleges and universities. The various official agencies under MHRD are conducting pilot studies for the concoction of education with the online education resources. Various online platforms like SWAYAM, DIKSHA will be developed & upgraded. They will be user friendly for learning and will monitor the progress of learners as well. The developed e-learning material will store a digital repository and will be available to the learners in a reliable and user friendly environment. While developing the e-learning material and the digital infrastructure the focus will be given to the regional languages. The officials will ensure that the developed digital infrastructure be used through digital platforms. The officials will ensure that the developed digital infrastructure will be used through digital platforms. The officials will ensure that the developed digital infrastructure will be used through digital platforms. This optimistic change in the new education policy-2020 and technology, especially in online teaching-learning resources will help students to achieve their goals and come out with great innovative ideas. [4] [5]

1. FOCUSING ON THE RELATIONSHIP AND GAPS BETWEEN EDUCATION POLICY AND TECHNOLOGY

The technology and the education policies have complex multi-faceted relationships. The education policies built the road map to use the technology in the universities, colleges and schools, on the other hand without the use of technology the goals of educational policies are not achievable. Both are interlinked through the development of digital learning policies. Moreover, the technology can support the implementation of these policies by providing new ways of delivering educational content, and personalizing learning experiences for learners. The gap between educational policies and technology is that technology is a fast growing process which is updating day by day whereas policies may not always update day by day or they cannot keep up with the rapid pace of technological change. This shows that there should be a strong concoction between educational policymakers, and technology developer to ensure that policies should be relevant, effective, adaptive and responsive to the needs of learners. [7]



