

Challenges For Teaching, Education and New Learning Technologies

Ankur Soni, Student, Dept. of Management, Janardan Rai Nagar Rajasthan Vidyapeeth University, Udaipur, Rajasthan

Abstract

The rapid development of new learning technologies has transformed the educational landscape, creating both significant opportunities and complex challenges for teachers, learners, and educational institutions. Technologies such as artificial intelligence, virtual classrooms, learning management systems, augmented and virtual reality, adaptive learning platforms, and digital assessment tools have expanded access to educational resources and enabled more flexible and personalized learning experiences. However, their effective integration into education requires addressing several challenges. Teachers often face difficulties related to digital literacy, inadequate training, technological infrastructure, increased workload, and resistance to changes in traditional teaching practices. Students may experience unequal access to devices and reliable internet connectivity, resulting in a digital divide that can reinforce existing educational inequalities. Furthermore, concerns regarding data privacy, cybersecurity, academic integrity, screen dependence, misinformation, and the ethical use of artificial intelligence require careful consideration. The rapid pace of technological change also makes it difficult for curricula and teacher-training programmes to remain current. Therefore, educational institutions need to adopt balanced approaches that combine technological innovation with effective pedagogy and human interaction. Continuous professional development, inclusive digital infrastructure, appropriate policies, and responsible technology use are essential for achieving meaningful learning outcomes. This paper examines the major challenges associated with teaching and education in the context of emerging learning technologies and highlights strategies for creating equitable, effective, and learner-centred educational environments.

Keywords: Educational Technology, Teaching Challenges, Digital Learning, Artificial Intelligence, E-Learning, Teacher Training, Digital Divide, Online Education, Personalized Learning, Emerging Technologies.