

Artificial Intelligence in Online Learning Platforms: Transforming Education in the Indian Context

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Abstract

The infusion of artificial intelligence into digital learning environments is dramatically transforming educational practices worldwide. In India, this evolution resonates with the core principles of the National Education Policy 2020, which champions tailored instruction, broadened inclusion, and fair access to digital resources. This paper examines the present scenario of AI deployment within India's online education sector, focusing on its uses in adaptive learning, smart tutoring systems, administrative streamlining, and improving access for learners with specific learning disabilities. Through an analysis of governmentled projects like DIKSHA and the India AI Mission, along with the growing presence of AI-enabled EdTech solutions, the study weighs both the prospects and the obstacles accompanying this technological shift. Although AI offers remarkable opportunities to scale education and make it more democratic, persistent issues—such as the digital gap, linguistic plurality, and privacy risks—remain significant. The paper ends with actionable suggestions for policymakers and teachers to adopt AI in a responsible manner, so that every learner across the subcontinent can benefit equitably.

Keywords: Artificial Intelligence, Online Learning, National Education Policy 2020, India, Educational Technology, Personalized Learning, Digital Divide.