

Artificial Intelligence-Driven Educational Technologies for Enhancing Computer-Based Learning and Institutional Management in India

Neha Garg, Research scholar, Department of Management, Veer Bahadur Singh Purvanchal University, Jaunpur

Abstract

Artificial Intelligence (AI)-driven educational technologies are transforming computer-based learning and institutional management in India. This study examines the role of AI tools such as intelligent tutoring systems, adaptive learning platforms, predictive analytics, and automated administrative systems in improving educational outcomes and operational efficiency. AI enables personalized learning experiences, real-time performance assessment, and data-driven decision-making in academic institutions. In institutional management, AI supports resource optimization, student support services, and streamlined administrative workflows. The study highlights that while AI adoption significantly enhances the quality and efficiency of education systems, challenges such as cost, infrastructure limitations, and ethical concerns must be addressed for sustainable implementation.

Keywords:

Artificial Intelligence, Educational Technology, Computer-Based Learning, Institutional Management, Adaptive Learning, Predictive Analytics, Smart Education, Higher Education, India, Digital Transformation