The Role of AI in Personalized Learning: Opportunities and Challenges for Students

Ms. Riya Meshram, Ms. Megha Gaikwad, Mr. Akshay Gadekar, Mr. Prashant Dupare

Students, Dr. Ambedkar Institute of Management Studies and Research, Nagpur, India

Assistant Professor, Dr. Ambedkar Institute of Management Studies and Research, Nagpur, India

Abstract: *Artificial Intelligence (AI) is transforming education by fostering more individualized and engaging learning experiences. AI-driven tools are capable of monitoring student progress, customizing lessons to align with unique learning preferences, and providing immediate feedback, thus making education more adaptable and reachable. Although these advancements present numerous advantages, issues such as data privacy, the digital divide, and excessive dependence on technology still require attention. This paper investigates how AI is revolutionizing personalized learning, underlining both its possibilities and the associated risks. Utilizing research studies, reports, and practical examples, it analyzes AI's effect on student engagement and academic achievement while stressing the significance of ethical and responsible application.*

Keywords: AI, personalized learning, education, adaptive learning, student performance

DOI: 10.48175/568

158