

# **Impact of AI in Modern Education Systems**

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**Abstract:** *Artificial Intelligence (AI) is transforming modern education by enhancing personalized learning, automating administrative tasks, and providing intelligent tutoring systems. This research paper explores how AI-driven technologies impact education, including adaptive learning systems, AI-assisted grading, and data analytics for student performance. The study also examines the challenges associated with AI adoption in education, such as ethical concerns, data privacy, and the digital divide. AI's integration into education holds the potential to create more efficient, personalized, and scalable learning environments.*

**Keywords:** Education Technology, Personalized Learning, Intelligent Tutoring Systems, Adaptive Learning, AI in Education, , Automated Grading, EdTech, Digital Divide, Ethical Issues in AI, Learning Management Systems

