

# Impact of Artificial Intelligence (AI) in Education on Students' Academic Development: Present and Future Prospects

**Dr. Manish L Jivtode**

Head & Assistant Professor, Department of Computer Science,  
Janata Mahavidyalaya, Chandrapur, MS, India  
mljivtode@gmail.com

**Abstract:** *Today, Artificial Intelligence (AI) is widely used in major areas such as Healthcare, Banking & Finance, Education, Transportation & Automation, Manufacturing & Industry, E-commerce & Marketing, Defense & Security, and Agricultural etc. Artificial Intelligence has significantly impacted the education sector and is revolutionizing it. AI has completely transformed traditional teaching and learning process. The use of AI improves student engagement and improves educational outcomes by giving teachers an information based approach. Integrating an alternative revitalizes the learning process and simplifies administrative responsibilities for teachers. In this research paper, analyzes the benefits, limitations and future prospects of AI in education.*

**Keywords:** Artificial Intelligence in Education, Academic Development, Intelligent Tutoring Systems, Education Technology (EdTech), AI in Curriculum Design