AI AND THE FUTURE OF EDUCATION

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Abstract

AI means artificial intelligence is playing an important role in changing the way what we learn and teach. It can facilitate the student personalize learning according to their level and speed. Thus it helps to engage attention and make learning enjoyable ,where digital tools complement teaching by automating repetitive tasks and offering real time learning support. AI helps teachers design lessons , plan grade assignments and generate practice exercise, thereby saving valuable instructional time. Thus it empowers teachers to immediately experiment with AI tools. AI is one of the fastest growing technologies in today's world. It is the ability of machines to think, learn and make decisions like humans.teachers can make classes more interesting with AI created games,activities and resources. AI can't replace teachers.who use AI can be more effective. The goal is to make learning faster and more fun. miller urges teachers to wear glasses tomorrow. Helping students develop skills for a workplace and society, critical thinking, creativity and ethical literacy become as essential as subject knowledge. Bowon and wadsun byging y grounding readers in the evolving landscape of AI tools and their pedagogical potential. Rather than portraying AI as futuristic. AI works in different approaches as classroom activity ideas and ethical guidance, empowering instructors with ready to use strategies that don't require technical expertise. AI plays a significant role transforming sectors like banking, healthcare,education and digital payments. AI even plays a significant role with the perspective of regional language translating and making it more comprehensive from different resources and helping students translate study materials and understand concepts of their mother tongue and assist teachers with personalized lesson creation-making regional education stronger and more inclusive.

Keywords: Artificial Intelligenge in education, AI-powerd teaching tools, Personalize learning, Smart content and automation, Regional language learning with AI, Accessibility and inclusive learning, Ethical challenges

Introduction:

Artificial Intilligence (AI) is a modern technology that is changing the world. In education, AI is making learning and teaching easier,samrter and faster. It has has been become one of the fastest growing technologies in todays life. It has brought big change in students and educators life.With help of AI could improving the way of study. It has proved more helpful to both students and teachers. Because AI can understand a students learning style,creating study material and checking homework and giving answer the question instantly.All chatbots and virtual assistant give students 24*7 support. Giving them personalized learning according to their speed and level. Education become interesting, interactive and accessible to everyone it also help disable students and teachers making education more effective and enjoyable.It has the power to improve the future of learning all over the world.

Education is not only about textbook and classroom anymore,it is about creating smart,inciusive and effective learning systems.AI can reduce the routine workload by teachers by preparing lesson plans,quizzes.This allow teachers to spend more time guiding students and less time on repetitive tasks.AI makes education accessible in remote areas.Thus ,it playing significant role shaping the modern world.

Literature Review:

Artificial Intelligence in education has attracted wide attention from students,teachers and scholars across the world.International researchers Holmes and Fadel explained that AI works as a partner rather than replacing them.Selwyn highlights concern about ethics ,privacy and risk of over-depending on AI or technology.Miller considered here empower of in future.In Indian researchers perspective;Sharma points out that AI particularly useful in distance education ,where it can help large group of learners.Kumar bhattacharya show how adaptive learning platforms improve exam performance by tailoring lessonsto individual students. overall , the literature shows that AI has great potential to transform education but must be used carefully, keeping in mind accessibility, teacher involvement, and ethical issues.The real strength of AI lies in working with teachers to make learning efficient ,and future- today. If Artificial intelligence used wisely,can bridge gaps in education and support both students and teachers.

Research work:

This research is descriptive in nature. The main purpose of the study is to understand the role of Artificial Intelligence (AI) in education, especially in the Indian context. For this, secondary sources of information were used. Books, journal articles, government policy documents, and online reports

were studied to collect relevant data. Important references include the National Education Policy (2020), Niti Aayog's "AI for All" report (2018), as well as research papers by Indian writers such as Sharma (2021) and Kumar & Bhattacharya (2019), along with international scholars like Holmes (2019) and Luckin (2016).Miller describes AI practical use in classrooms.Boven explores online and technology-driven learning,and Watson highlights how AI can individualize instruction .

The data collection process involved reviewing educational journals, digital libraries, and reliable websites such as Unesco and AICTE. The study does not include primary data, such as surveys or interviews, due to time and resource limitations. Instead, it focuses on analyzing already published work and policy frameworks.

The scope of this research is limited to examining the applications, benefits, challenges, and future scope of AI in education, with more focus on India while also considering global perspectives. The limitation of the study is that it is theoretical and depends on existing literature rather than fieldwork.

Conclusion:

Artificial Intelligence has become an important part of modern education. It supports teachers in planning lessons, helps students with personalized learning, and makes assessment easier. Studies by both Indian and foreign scholars show that AI can increase access, improve learning outcomes, and save time. However, it cannot replace human teachers, as values, creativity, and emotional guidance still need personal touch. With proper use, AI can be a powerful tool to make education more effective and future-ready.Thus,AI in education is a guide ,not a substitute,helping us move towards a more innovative and inclusive learning system.

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