



Artificial Intelligence in Education: Opportunities, Challenges and Future Pathways

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Abstract

As the name suggests Artificial Intelligence is not real but artificial. It doesn't belong to human beings. It belongs to technologically developed devices and machines, mainly computers. It is imitation of human intelligence process by machines. Machines are built and developed which imitate human brain processes like learning, reasoning and self-correction etc. Alexander Pope in his poem, *An Essay on Criticism* (1711) says: "To Err is Humane; to forgive, Divine" means that humans are most likely to make mistakes. Now-a-days these mistakes are corrected through use of AI Machines. It has become integral part of human life.

AI has provided all facilities to us, making our life a boon. It is used in almost every field of life to crack the complex problems in various disciplines like science, engineering, business, education, health, safety, driving, gaming, medication, meditation and weather forecasting etc. It has affected all domains of our life and proved itself as a boost in both quality and efficiency. It has changed our life style tremendously. It is now visible even in schools, colleges, hospitals, hotels, transportation and houses also. In future, these AI or smart machines can replace the humans in various domains.

This paper presents working of AI, its application in various areas mainly in Education, its benefits and challenges.

