



## Technology-managed learning in higher education: the role of artificial intelligence

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### Abstract:

Higher education can be better achieved and managed by employing new technologies in education. Artificial intelligence is one of such numerous technologies that could be employed for the management of higher education. Learners can be better managed using Artificial Intelligence. Artificial Intelligence affords an opportunity for a better analysis of each and every student in a class who is a slow learner or lazy enough to understand the topics which has been discussed by the lecturer. Analysis will give clear idea about student's understanding on each and every topic. If student is lagging in some areas or is not able to understand few topics then Artificial Intelligence analysis would showcase this report to the lecturer so that appropriate action can be taken. Artificial Intelligence analysis would also recommend the topics with basic examples or in an easy manner to the student so that the students' skill in the particular area where he is uncomfortable can be improved. Technology-managed learning is a veritable tool for learning in higher education across the world due to digital revolution. A lot of academic advantages have been attributed to the use of technology to manage the learning process. The educational system of any country is the foundation of its sustainable development, and higher education contribute to national development through high level manpower training. In Artificial Intelligence, computers are allowed to perform tasks that are ordinarily meant to be performed by the human brain. The use of Artificial Intelligence as a tool for technology- managed learning due to its potential educational advantages in improving the quality of learning, would provide an appropriate analysis of individual students understanding of topics and concepts for which course instructors can have an appropriate feedback for the purpose of improving the student skills in desired areas of knowledge thereby enhancing sustainable development. This paper therefore considers



roles that could be played by artificial intelligence in providing technology- managed learning to learners of higher education.

**Key Words:** Artificial Intelligence; Technology- Managed Learning; Higher Education; Digital Revolution; Sustainable development.

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