TECHNOLOGY PROGRESS IN EDUCATION

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With the changing nature of the world as it is today, technological applications will continue to play a prominent role in our day-to-day lives. It revolutionized key industries such as education. The relativity of technology advancement in education is addressed by the interplay of the adoption of technological innovation and educational practices.

Time and location boundaries have been broken down by technology, making education more inclusive. Students can now access education at any time and from any location thanks to digital materials, virtual classrooms, and online learning platforms (Zheng, Warschauer, & Park, 2016). It makes it possible to create learning experiences that are specific to each student's needs.

Technology-based adaptive learning software, intelligent tutoring systems, and data analytics make known individual progress in learning and provide focused interventions (Baker & Inventado, 2014). Technology has also made learning more interactive and engaging with multimedia, gamification, and simulation activities. It also helps teachers and learners to work together and communicate outside of the traditional classroom setting. Real-time feedback, worldwide connections, and peer-to-peer learning are all made possible by online discussion boards, video conferences, and interactive platforms.

Furthermore, it has been seen that the use of modern technology in school enhances student performance and retention of learned material (Selwyn, 2016).Interactive learning and multimedia help explain even the complex concepts to a

student. This technology provides fresh and engaging experiences for learning with the attention of learners and interest in learning. Students are encouraged to participate in the learning activity by these gamification components, the tailored learning path, and the immediate feedback.

Thanks to technology, students can now access a wide range of learning materials outside of textbooks. Despite the benefits, there is still a digital gap. The majority of students are unable to get all the technology they require and enjoy the reliability of the internet connection. The digital divide should be eliminated and equitable access to technology should be ensured for inclusive education. Effective technology integration is ensured by providing educators with the necessary training and assistance. Educators must have professional development in the digital skills and pedagogical understanding of the integration of technology (Selwyn, 2016).

Learning experiences should be customized using technology to meet the needs of a variety of learners. Individualized instruction and differentiation ought to be made possible by it. To inform instructional decisions and improve practices, it must regularly evaluate how technology integration affects student learning outcomes and continuously analyze its efficacy.

Relativity of technology advancement in education represents opportunities and challenges. Technology can transform education, enhance learning outcomes, and better prepare students for the demands of the digital era with aligned educational goals. It will, however require careful balancing with considerations at equality and teacher support to ensure that technology becomes an effective tool of positive educational change. This would occur if students adopted technology in a responsible manner and had an understanding in its functions.

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