

ICT INTEGRATION IN EDUCATION IMPLICATION FOR TEACHING AND LEARNING IMPROVEMENT

by:

Mark Joseph S. Francisco
Lamao National High School Teacher II

Information and communication technology (ICT) integration in education is the use of digital tools and resources to improve teaching and learning procedures in educational settings like schools and universities. ICT integration may considerably raise educational standards and increase student engagement, interaction, and learning efficacy when done right. In general, ICT integration in education refers to a technology-based teaching and learning process that is strongly related to the use of learning tools in schools. ICT integration in schools, especially in the classroom, is crucial since learners are accustomed to technology and learn better in a technology-based environment. This is due to the fact that technology in education makes a substantial contribution to the pedagogical aspects of education. According to Jamieson-Procter et al. (2013), using ICT will result in successful learning with the aid and support of ICT elements and components. ICT may also aid in preparing students for 21st-century living. Students who are proficient in ICT are equipped with the necessary information to face challenges in the future. Hussain et al. (2011) claim that students who utilize ICT can develop the abilities required for the current globalization. This is done so that students may utilize ICT to widen their knowledge and information, develop their skills, boost their motivation, and broaden their understanding.

The willingness and ICT proficiency of teachers also play a crucial part in the usage of ICT in education. To integrate the technology and use it in a classroom context, teachers need to be very confident in their ICT abilities. Teachers also need knowledge of the educational function of ICT in order to effectively integrate it into their teaching methods.

In contrast to those who have not received such training, Winzenried, Dalgarno, and Tinkler (2010) claim that instructors who have completed ICT courses are more successful when utilizing technology to educate. It takes careful planning to integrate ICT for teaching and learning enhancement and to coordinate technology use with educational objectives and curricular requirements. To guarantee that the advantages of ICT integration are utilized, a balance between conventional teaching approaches and technology-enhanced learning is crucial. In order to meet the unique demands of students and instructors as well as keep current with the quickly changing digital world, it is also essential to continuously evaluate and adjust ICT techniques.

In conclusion, educational institutions should invest in infrastructure, such as dependable internet connectivity and access to gadgets, in order to incorporate ICT in education efficiently. Additionally, they ought to create rules and regulations for safe online behavior, data protection, and responsible technology usage. Additionally, curriculum design and instructional strategies should smoothly integrate technology into the learning process in order to support academic goals. Instead than just adopting technology for its own sake, ICT integration should concentrate on attaining educational objectives and increasing learning outcomes. To satisfy the changing requirements of students and instructors in a technology environment that is changing quickly, it necessitates continual review and modification.

References:

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