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Impact of ICT in Modernizing the Global Education Industry to Yield Better Academic Outreach

Syed Mohsin Saif ¹, Syed Immamul Ansarullah ², Mohamed Tahar Ben Othman ^{3,*}, Sami Alshmrany ⁴,
Muhammad Shafiq ^{5,*} and Habib Hamam ^{6,7,8,9}

- ¹ Department of Computer Science, Islamic University of Science & Technology, Awantipora 192122, JK, India; sms.manuu@gmail.com
- ² Department of Computer Science, Govt. Degree College Sumbal, Bandipora 193501, JK, India; syedansr@gmail.com
- ³ Department of Computer Science, College of Computer, Qassim University, Buraydah 51452, Saudi Arabia
- ⁴ Faculty of Computer and Information Systems, University of Madinah, Medina 42351, Saudi Arabia; s.alshmrany@iu.edu.sa
- ⁵ Department of Information and Communication Engineering, Yeungnam University, Gyeongsan 38541, Korea
- ⁶ Faculty of Engineering, Uni de Moncton, Moncton, NB E1A3E9, Canada; habib.hamam@umoncton.ca
- ⁷ International Institute of Technology and Management, Commune d'Akanda, B.P., Libreville 1989, Gabon
- ⁸ Department of Electrical and Electronic Engineering Science, School of Electrical Engineering, University of Johannesburg, Johannesburg 2006, South Africa
- ⁹ Spectrum of Knowledge Production & Skills Development, Sfax 3027, Tunisia
- * Correspondence: maathanam@qu.edu.sa (M.T.B.O.); shafiq@ynu.ac.kr (M.S.)

Abstract: The advancements made by information technology have redefined the concept, scope, and significance of communication. The barriers in the communication process have been wiped out by the recent advances in information and communication technology (ICT) backed by high-speed data connectivity. People are free to communicate without bothering about physical borders distancing them from one another. Information and communication technology has diversified its dynamism by creating an e-environment, where people exploit the power of technology and communication to deliver many services. This research used the conceptual framework for ICT-enabled learning management systems and described their dimensions and scope in ICT-enabled education. The ubiquity of ICT has revamped the education industry worldwide by introducing new approaches, tools, and techniques to modernize education. The widespread popularity of ICT has forced educational establishments to endorse this to update the academia to leverage its boundaries and enhance productivity to yield productive outcomes at different levels of education. This paper describes different ICT approaches and investigates the importance, influence, and impact of ICT-enabled technologies on various educational practices to achieve productive educational outcomes. This research investigates the role of ICT in teaching and learning at different levels of education, explores various modules and their influence on the overall development of educational activities, and identifies the research gaps that are bridged to achieve the primary aim of ICT and education. This research extended its ICT projections and scope to overcome the challenges emerging from pandemic circumstances and design and develop an online platform in proper consultation with market demand to make students more job-oriented or skill-oriented. This paper describes different ICT approaches adopted by various educational institutions across the globe to modernize student–teacher interaction. This paper further investigates the influence and impact of ICT-enabled technologies on various educational practices that are prerequisites for achieving productive educational outcomes.

Keywords: ICT; online education system; ICT architectural framework



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