

# Role of ICT in Teaching and Learning Process

Suparna Roy

Assistant Professor, BMS Department

Shri L.P. Raval College of Mass Media & Management Studies, Mira-Bhayander, Maharashtra, India

**Abstract:** *ICT is a beneficial tool towards the implementation of self-paced learning. The implementation of various ICT related tools has made the overall teaching process more efficient. The rate of interaction between the students and the teachers are also enhanced with the help of this process. The secondary mode of data collection has been used in this study to understand the main concept and related information. The implementation of various ICT tools also ensures that the students are able to learn on their own. With the rise in technology and the internet, it can be stated that the implementation of various ICT tools will be beneficial for the overall teaching process*

**Keywords:** E-learning, ICT, ICT tools, Self-paced learning, Literacy development.

## REFERENCES

- [1]. Agrawal, A.K. and Mittal, G.K., 2018. The role of ICT in higher education for the 21st century: ICT as a change agent for education. *Multidisciplinary Higher Education, Research, Dynamics & Concepts: Opportunities & Challenges For Sustainable Development* (ISBN 978-93-87662-12-4), 1(1), pp.76-83.
- [2]. Asabere, N., Togo, G., Acakpovi, A., Torgby, W. and Ampadu, K., 2017. AIDS: An ICT model for integrating teaching, learning and research in Technical University Education in Ghana. *International Journal of Education and Development using ICT*, 13(3).
- [3]. Blau, I. and Shamir-Inbal, T., 2017. Digital competences and long-term ICT integration in school culture: The perspective of elementary school leaders. *Education and Information Technologies*, 22(3), pp.769-787.
- [4]. Brkljačić, T., Lipovčan, L.K. and Prizmić-Larsen, Z., 2019. Virtual Happiness: ICT, FtF Communication, and Wellbeing. In *Returning to Interpersonal Dialogue and Understanding Human Communication in the Digital Age* (pp. 137-167). IGI Global.
- [5]. Chan, C., 2018. ICT-supported social work interventions with youth: A critical review. *Journal of Social Work*, 18(4), pp.468-488.
- [6]. Delić-Zimić, A. and Gadžo, N., 2017, May. Implementation of ICT in Education. In *International Symposium on Innovative and Interdisciplinary Applications of Advanced Technologies* (pp. 215-222). Springer, Cham.
- [7]. Heiman, T., Fichten, C.S., Olenik-Shemesh, D., Keshet, N.S. and Jorgensen, M., 2017. Access and perceived ICT usability among students with disabilities attending higher education institutions. *Education and Information Technologies*, 22(6), pp.2727-2740.
- [8]. Lai, J.W. and Bower, M., 2019. How is the use of technology in education evaluated? A systematic review. *Computers & Education*, 133, pp.27-42.
- [9]. Margaret, R.E., Uma, B., Tejonidhi, M.R. and Neelakantappa, B.B., 2018. A Recipe for the Use of ICT Tools in an Educational Institute. *Journal of Engineering Education Transformations*, 31(3), pp.114-119.
- [10]. Mdx.ac.uk, 2018. Financial statement 2017-18. Available at: [https://www.mdx.ac.uk/data/assets/pdf\\_file/0017/500615/Financial-Statements-2017-18.pdf](https://www.mdx.ac.uk/data/assets/pdf_file/0017/500615/Financial-Statements-2017-18.pdf) [Accessed on; 27 March 2021]
- [11]. Newman, M. and Gough, D., 2020. Systematic reviews in educational research: Methodology, perspectives and application. *Systematic reviews in educational research*, pp.3-22.
- [12]. Pohjolainen, S., Nykänen, O., Venho, J. and Kangas, J., 2018. Analysing and improving students' mathematics skills using ICT-tools. *Eurasia Journal of Mathematics, Science and Technology Education*, 14(4), pp.1221-1227.
- [13]. Popkova, E.G., 2019. Preconditions of formation and development of industry 4.0 in the conditions of knowledge economy. In *Industry 4.0: Industrial Revolution of the 21st Century* (pp. 65-72). Springer, Cham.

- [14]. Singhavi, C. and Basargekar, P., 2020, December. Implementing ICT at School Level: Factors Affecting Teachers' Perceived Proficiency. In International Working Conference on Transfer and Diffusion of IT (pp. 650-661). Springer, Cham.
- [15]. Suárez-Rodríguez, J., Almerich, G., Orellana, N. and Díaz-García, I., 2018. A basic model of integration of ICT by teachers: competence and use. Educational Technology Research and Development, 66(5), pp.1165-1187.
- [16]. Uis.unesco.org, 2021. Information and communication technologies (ICT). Available at: <http://uis.unesco.org/en/glossary-term/information-and-communication-technologies-ict> [Accessed on: 25 March 2021]
- [17]. Wong, G.K.W. and Yang, M., 2017. Using ICT to facilitate instant and asynchronous feedback for students' learning engagement and improvements. In Emerging practices in scholarship of learning and teaching in a digital era (pp. 289-309). Springer, Singapore.
- [18]. Zia, N., Ilahi, M. and Khan, N.A., 2018. The role of ICT (Information & Communication Technology) in higher education. Multidisciplinary Higher Education, Research, Dynamics & Concepts: Opportunities & Challenges For Sustainable Development (ISBN 978-93- 87662-12-4), 1(1), pp.204-212