

Technology: A Source of Supplement to the Teaching and the Process of Learning in Higher Education

Bandi Surendra Reddy, M. Rajeshwar, and L. Naveen Kumar

Abstract In the contemporary world, technology is inevitable irrespective of the profession, and the realm of education is no exception to this phenomenon. Education, and the teacher's role in the transformation of knowledge, has been challenged to address the contemporary needs of a learner. The advancement of technology has led to changes in the mind-set of learners, as well as better comprehension of information. To make the process of learning better and more effective, certain techniques or methods are employed (i.e., LCD projectors, PowerPoint presentations, and Cloud-based tools). These new technologies have replaced the traditional method of using transparent sheets and projectors in classrooms. This improvement in audiovisual equipment has grabbed the attention of the learners. The combination of new learning styles, teaching pedagogy, new technology, and good infrastructure leads to a better education. If these latest trends are not used in an active manner, then the purpose of the teaching and any effectiveness of delivery will not be useful. This paper is an attempt to study the positive effects of using technology-based education tools in the technical arena.

Keywords Technology • Learning style • Pedagogy • Cloud

B.S. Reddy (✉) • M. Rajeshwar • L.N. Kumar
Department of Computer Science Engineering, Hyderabad Institute of Technology
and Management (HITAM), Hyderabad, India
e-mail: surendra.mca@hitam.org; rajeshwarm.cse@hitam.org; naveenkumarl.cse@hitam.org