

Effective Role of Emerging Technologies in Teaching and Learning Process

Dr. Umaji Ananda Patil

Assistant Professor and Head of Department of English

Smt. Gangabai Khivraj Ghodawat Kanya Mahavidyalaya,
Jaysingpur, Dist. Kolhapur, Maharashtra - 416101, India

Abstract

The present paper sought to analyze the effective role of modern emerging technologies in the teaching, learning process. In the advent of globalization the conventional teaching and learning process has undergone drastic changes. Due to the globalization new era of techno-savvy generation has come into existence. Due to the new learning platforms the world has become very unique. The internet, information communication technology, virtual class room system, various online learning platforms have heralded a new era which is considered to be boon for the new educational system. The application of information communication technology is recent scenario and it has become key focus for the academicians, students and research scholars. The effective integration of the ICT (Information Communication Technology) devices poses challenges to the teachers and management. The study focuses on the student centric use of ICT facilities and it's outcomes for the further development in learning process. The students can grasp the knowledge only by the use of effective technological devices. The present study takes reviews of various platforms which are available from authentic webs and apps. Any field of knowledge is not away from the touch of emerging technology. Google Classroom, Jamboard, Zoom application, Smart classrooms, Virtual classroom, Teachmint, Google Meet and Microsoft Team etc. are the effective digital platforms which are supposed to be the best way to establish student centric and effective teaching learning process. The present paper aims to explore the reciprocity between application of digital mode of the teaching and learning. This overall inclusive application of ICT is known as E-learning.

Keywords: ICT, Technologies, Virtual Classroom, Application

Introduction

In the era of globalization the use of technology has got immense importance to tackle the problems of communicative barriers. Specifically, in the field of education, the application of innovative technologies have heralded new dawn in the realm of education. In every walk of life application of technology has created new avenues in teaching and learning process. According to Sarica and Cavus "It has become possible only with the help of technology to trace the location for people across the globe by applying technology such as Web and personal Digital Assistant" (Sarica & Cavus, p-21). Web based technologies and internet connection creates new paths for the evolutionary phase of education. English is the only global language through which we can access the available technologies. The treasure of

knowledge is only available in English can be accessed through the various platforms available in digital mode. In the field of education the conventional teaching methodologies have been replaced with application of digital platforms. Traditional chalk and board method has replaced with smart classroom and flap board and power point presentations etc. According to research scholar Edelson's survey done in 1998, he found that "Web based higher education courses were estimated to be 1million and projected to be 3million by 2000" (Edelson, 1998, p. 31).

It is need of time to implement the policy for the application of technology to face the challenges in the most advanced world. The use of modern technology creates an opportunities in the world of advancement. In the realm of Higher Education advanced technology plays crucial role to make teaching learning platform more effective. In the context of implementation of e-teaching platform research scholar Khan comments that "science paves path to create well-designed, learner-centric, intercreative, affordable, efficient, flexible e-learning environments" (Khan, 2005, p. 168). He emphasizes on the progress of students in the nature of technologies and growth of knowledge in which the students are nurtured. In modern web based teaching platform internet facilities are making an acquaintance with latest trends technologies for teachers and learners. It has become integral part for the learners to use electronic media and cyber technology in education for the further development and access more and more knowledge from the new existed branches of the knowledge.

ICT and VLE (Virtual Learning Environment) are the major tools which play dominant role to meet the demands of the modern education by replacing the conventional methods of teaching and learning. To strengthen the foundation of modern education most of the western countries are focusing on the use of digital technologies. The practical application and the participation of the students in this participative e-learning provide the new opportunities to learn the complicated issues in their studies. Systematic application of technology provides new learning platform and creates major areas for further research in various branches of knowledge. This era has also labeled as era of information explosion in which many aspects of conventional teaching learning has undergone dramatic changes. Many critics' views that the modern age is the age of info-dump which means the emerging wide storage of information through accession of various digital platforms.

Theoretical Discussion

In this context research scholar Grabe and Kaplan discusses that "today we are drowned in the deluge or the flood of the information" (Grabe and Kaplan, p. 196). The statement lights on the excessive flood of information which gives impetus to the all fields of knowledge Education is no more exception. Emerging trends of technologies are applicable to the field of education which provides more research avenues. Teaching-learning process gets effective when the emerging trends of technologies are used through proper channel. The following are the major constituents of e-learning platforms. These platforms functions according to learner's need.

E-Learning or Web-Based Learning

Nomenclature the distance learning has replaced by the terminology technology based or distance learning. The variety of knowledge resources can be made available. Language learning skill can be highly improved through the web sources. The language acquisition skills and resources of knowledge

for other branches can be easily made available through web sources. Interactive sessions can be held through various live platforms such as Google Meet, Teachmint, Zoom platform and Microsoft Team etc. In the recent years some communicative tools are made available through e-mail, blogs, chats etc. web-based learning became very effective when it is well-designed and easy to use friendly. It works as supportive. It gives familiarity with specific course structure and content.

Google Meet

Google Meet is recent web based learning platform which has applauded by the academicians, research scholar and students during the pandemic situation. It has immense popularity due to its easy access. The students and teachers can easily interact to each other through this platform and make their teaching learning process very effective. This platform contains various options to the learners and also to teachers to make teaching and learning synchronic. Simultaneously, the learner and teacher establish the harmonious and effective knowledge building process.

Zoom Platform

It is another online learning platform which is akin to the Google Meet platform. It can be easily installed from app store in the mobile and can be accessed from anywhere to interact with individual or group of individual. It contains many options for the learner's to gain and express their knowledge. In the academic circle it has become very popular because of its easy access. Power point presentation can be done by sharing the screen. It is effective e-platform to the teachers, students as part of mass communication.

Teachmint

It is also new platform which functions like virtual classroom teaching. It creates space for effective interrelation with the students and motivates them to learn the curriculum very effectively. It is installed through the app store by paying the amount over the stipulated span given by the teach mint team. It helps to interact lively and resolve various doubts as well as to held effective discussion on the any issue in the process of learning.

Jamboard / Google Classroom

Jamboard or Google Classroom is innovative practice which is adopted in teaching learning process. It is interactive whiteboard display having touch screen display of 55" 4K. It accelerates learning with different learning paths for each student with classroom. It enriches collaborative experience through joint venture in teaching and learning.

Microsoft Team

Microsoft Team is recent development which provides online business communication. It is the only app through which we can hold chats, video calls, meetings, prepare files and calendar in one place. It is easily get connected with people through video. It is very effective in teaching learning process.

Role of Electronic Media in Teaching Learning Process

The electronic medias like e-mail plays very crucial role to bring effectiveness to the teaching learning process. Email system was existed even before the internet facility. Through email system we can

establish effective teaching learning process by integrating e-mail based activities. The e-mail accounts like Gmail, Yahoo, Rediff Mail, Hotmail play very dominant role in the teaching learning process.

Weblogs created by teachers for the teaching purposes are very useful in teaching learning process. Language learners can use personal blog linked to the course as part of electronic portfolios to journals and authors' weblog or website.

Skype is a recently developed messenger which plays effective role in the teaching and learning process. Skype messenger services have audio functions and technological equipments such as laptop, computers and cameras which are inbuilt in it. The students can follow the instructions.

Messengers

In the world of globalization variety of messenger services have come into existence. MSN messenger, Yahoo messenger etc. began to serve masses. The students' four skills L-S-R-W (Listening-Speaking-Reading-Writing) can be improved by the messenger services.

Conclusions

The present study emphasizes on the new emerging trends of new technologies and its utility in teaching and learning process. This study creates awareness about the application of emerging technologies in modern educational system. It discusses the major constituents of technologies which are very helpful in the effective teaching, learning process. The study helps to achieve the aims and objectives of modern technologies in the process of teaching and learning. It makes familiarity with emerging platforms and electronic media and its impact on teaching and learning process.

References

1. G. Sarica, Cavus N. (2008). Web Based English Language and Literature Learning Presented at the 8th International Educational Technological Conference, Anadolu University.
2. B. H. Khan. (2005). Managing E-learning: Design, Delivery, Implementation and Evaluation. Hershey, 2012.
3. William Grabe, Robert B. Kaplan, (1996). Theory and Practice of Writing.
4. P. J. Edelson. (1998). The Organization of Courses via the Internet, Academic Aspects, Interreaction, Evaluation and Accreditation. National Autonomous University of Mexico, Mexico City.
5. J. Leloup, R. Ponterio. (1997). Internet Technologies for Authentic Language Learning Experiences. ERIC Digest.