

Empowering College Teachers With Emerging Technologies

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(Received:10November2022/Revised:20November2022/Accepted:30November2022/Published:30December2022)

Abstract

Knowledge of emerging technology in present education system is essential for college teachers. According to national education policy 2020 blended mode of teaching learning process is demand of educational institutions. Different kinds of professional qualities should be developed among teachers for quality education. Information communication technology play significant role in this field. Teachers face many difficulties during transaction of learning materials in classroom situation due to lack of knowledge and implementation of emerging technology. In preparation of e-content, educational videos and other teaching learning materials for online teaching, knowledge of emerging technology is necessary. In service and pre-service training about implementation of different new technology in education system is essential. Empowering with emerging technology can create new dimension and critical thinking among college teachers.

Key Words: Empowering, Emerging Technologies, Dichotomy, Transforming Education, Professional Development, Blended Mode Of Education, Teachers Perception, Institutional Perspective.

Introduction

Empowering college teacher with emerging technologies is demand of time for quality education in higher education institutions. Knowledge about management of blended mode of classroom dynamics is essential for teaching learning process. Teacher is a leader of classroom either online or face to face mode of teaching. In this respect knowledge and implementation of emerging technologies is necessary for college teachers. During COVID-19 it was challenge for universities and colleges to conduct online model classroom transection preparation of e-content making educational video to complete syllabus. Many difficulties arrived among teachers and students during teaching learning process. They also reported dichotomy between the technology used for teaching in higher education institution and the technology owned and used by the student in social life as a major challenge. Teacher believed that the open communication and teamwork environment can be enhanced by using emerging technologies.

Emerging technologies act as a tools, concepts, innovation and advancement utilized in diverse educational selting for service varied education related purpose(Veletsianos-2010). Opening of

Pacansky-Broke(2012) emerging technologies classified into following categories.

First is Cloud based application that can be stored online and can be accessed anywhere with internet availability. Second is web 2.0 tools that have simplified the process of creating and sharing multimedia content. Third is social media whose capabilities have made communication an interactive and collaborative process as well as the uses of mobile apps. Fourth is artificial intelligence and machine learning.

Methodology

Thematic analysis methods are used to analyze and identify the key themes in the data. Key factors for empowering teachers with emerging technologies including teachers interest, institutional perspective, teachers perception studied and data collected.

Discussion And Conclusion

Teachers are independent variables in classroom situation. They face many difficulties related to use of technology inside and outside the classroom all teachers are not technologically sound regarding emerging technologies. Knowledge of technological implementation in teaching learning process is need for professional development. The use of specific technological tools can improve and facilitate the teaching learning process which enhance quality education. Teachers also experience a sense of empowerment that will create a positive impact on the level of engagement in their profession. They managed classroom dynamics in attractive and effective way after empowering emerging technologies. Pre-service and in-service training should be must to college teachers for successfully empowerment of emerging technology. The use of emerging technology in diverse educational environment can make a significant difference in the level of engagement teachers and teaching learning process. Hence empowering of college teachers with emerging technology is demand of present era. Teachers can adjust and accommodate himself/herself in blended mode of education system which enhance quality of education.

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