REVIEW ARTICLE

DIGITAL TEACHING: TEACHING INNOVATIVE, INFORMATIVE AND EFFECTIVE-ROLE OF TEACHERS

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ABSTRACT

This paper emphasizes and exhibits the role of teachers who struggle a lot to prepare various teaching materials, e-content required for online teaching-learning in education amidst the COVID pandemic and to highlight the transformation happened in upgradation of teaching methodology in the premiere institutions from conventional education to online education with the help of virtual classes and other crucial online tools in this continually dynamic educational landscape. The paper employs both quantitative and qualitative approach to study the perceptions of teachers and students on online teaching-learning modes and also highlighted the implementation process of online teaching-learning modes.

Keywords: Digital Teaching-Upskill-knowledge Enhancement-Teaching Aids-innovation and efficiency

Educational system from KG to doctoral level has been taken aback during the lockdown period caused due to the novel coronavirus pandemic (COVID) which spreads across the globe. This paper deals with the portrayal of online teaching-learning methods adopted by premiere institutes inorder to facilitate the teaching-learning process and to create an incorrigible ambience for the learner in spite of the outside problems. It helps the learner to get attracted towards teaching and he/she pays attention to the teaching. The intended purpose of this paper is mainly to emphasize and exhibit the role of teachers who struggle a lot to prepare various teaching materials, e-content required for online teaching-learning in education amidst the COVID pandemic and to highlight the transformation happened in upgradation of teaching methodology in the premiere institutions from conventional education to online education with the help of virtual classes and other crucial online tools in this continually dynamic educational landscape. The paper employs both quantitative and qualitative approach to study the perceptions of teachers and students on online teaching-learning modes and also highlighted the implementation process of online teaching-learning modes.

Major Digital Education Tools for teachers and learners are like Projeqt which is a tool that allows the trainer to create multimedia presentations with dynamic slides in which interactive maps, links, online quizzes, Twitter timelines, and videos, can be embedded. Thinglink allows educators to create interactive images with music, sounds, texts, and photographs. TED-Ed is an educational platform that allows creating educational lessons with the collaboration of teachers, students, animators, generally people who want to expand knowledge and good ideas. ClassDojo is a tool to improve student behaviour. Teachers provide their students

instant feedback and inculcate receptive attitude towards the learning process. In eduClipper, information found on the internet can be collected and shared with the members of previously created groups, which offers the possibility to manage the academic content found online in an effective way and improvise research techniques, and maintain a digital record of what students achieved during the course. Storybird aims to promote writing and reading skills in students through storytelling. In this tool, teachers can create interactive and artistic books online through a simple and easy to use interface. In Story bird, teachers can also create projects with students, give continuous feedback and give grades. Animoto is a digital tool that allows you to create high-quality videos in a short time and from any mobile device, inspiring students and helping them improve their academic skill. The Animoto interface is friendly and practical. It allows teachers to create audio-visual content that adapts to educational needs. Kahoot! is an educational platform which is based on games and questions. Through this tool, teachers can create questionnaires, discussions, or surveys that complement academic lessons. The material is projected in the classroom and questions are answered by students while playing and learning at the same time. Kahoot! promotes game-based learning, which increases student engagement and creates a dynamic, social, and fun educational environment.

Digital learning in premiere institutes enhances the learning ability of the student because the teachers use various softwares and tools like Camtasia, Kinemaster, Audacity, videoscribe and Digital /Smart boards while making effective videos and they have a lot of interest to make the students excel in the respective domains. The management gave platform for the teachers to expose themselves through various online platforms. The teachers always believe that they have to attend many Faculty Development programmes, Certification programmes and Short-Term Training Programmes in order to enhance their subject knowledge and digital knowledge. After attending so many programmes the faculty members equipped themselves with multiple skills and became multifaceted. During the lock down period many of the teachers became proficient digitally.

As Dr.A.P.J. Abdul Kalam rightly said 'Black color is sentimentally bad but, every black board makes the students life bright.' In this digital world instead of black board, digital board attract the learners and make them learn the concepts by entertaining and attracting them. Learning during and after the pandemic became attractive and the teachers make the videos of all the lectures so innovative, effective, informative and attractive. Feedback is collected from the students about their experiences after listening to the videos. They shared their happiness about the content that the videos are very informative and attractive. Digital content making gives the platform for the learner to learn from anywhere. The teachers learn many skills during the pandemic and have transformed themselves as Digital teachers within a span of one year. Course wise concepts, which the teachers have to deliver in a semester, are made in the form of a lecture series with a major emphasis on pitch, voice modulation, pace and apt nonverbal expressions. They made effective videos by using animations and relevant gif images. The video is made in such a way that they are quite useful for using in digital class rooms. Polls and puzzles are inserted in order to make the students curious to learn attentively. Learning is one of the best skills which enables a layman into an expert. The staff members are quite dedicated and have the inclination to attract the students towards the content and to train them to excel in their academic and professional career. In order to show the students proper career path, the teacher encourages, counsels and facilitates the students with the latest innovative teaching methodologies and make them industry ready.

Many sources are available to upgrade and enhance the skills of the teachers. Abundant opportunities are being provided to the teaching fraternity to upgrade and upskill themselves by the management. One year during the pandemic transforms conventional teachers to digital teachers. Teachers learnt many things starting from making videos to writing research papers during a span of an year. They were given access to various international digital courses which was offered free of cost by various reputed organizations and attended hundreds of free webinars and FDPs offered by various organizations by internationally acclaimed resource persons. Many teachers attended various e-Conferences, online poetry fests and online seminars, online webinars on how to utilize the e platforms to meet the learner requirement during this pandemic.

Many teachers upskilled themselves during this pandemic and tried to share the knowledge which they gained by attending all the aforementioned knowledge enhancement programmes. Government also plays a pivotal role in disseminating the knowledge to the learners. For example, Study Webs of Active-Learning for

Young Aspiring Minds (SWAYAM) is a programme or Massive Open Online Courses (MOOC) platform initiated by the government of India hosted online courses in different quadrants. The SWAYAM PRABHA is a group of 32 DTH channels dedicated to telecasting of high-quality educational programmes throughout the week. Annual Refresher Programme in Teaching (ARPIT) is an online professional development programme launched by the MHRD on November 13, 2018 using SWAYAM platform. Another initiative of MHRD was e-PG Pathshala run by the University Grants Commission (UGC) that provided high-quality curriculum-based and interactive e-content in 70 subjects across all disciplines.

"The decision to move SITE online is an example of the "Uberfication of Education," an idea introduced in her keynote presentation at SITE 2020 by Dr. Nicky Mohan, who predicts that technology and innovative thinking will transform higher education for the better. Mohan suggests that mobile devices, social networks, games-based and virtual learning environments, and hybrid classes will have a democratizing effect on our society, as all these things will expand access to high-quality education. In this paper, I have focused on various online tools which are used by the teachers to make their teaching innovative, informative and effective.

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