IMPLEMENTATION OF ONLINE TEACHING-LEARNING TOOLS IN THE COVID-19 PANDEMIC IN HIGHER EDUCATION OF KARNATAKA STATE

Prof. SURESHA C

Assistant Professor

HPPC. Government First Grade College, Challakere, Chitradurga Dist., Karnataka.

Abstract: *The entire education system from primary to tertiary has collapsed not only in Karnataka state and India but around the world during the lockdown of the novel Coronavirus Disease 2019 (COVID-19). This study depicts the teaching-learning process adopted by Higher Education in India and the online teaching-learning methods adopted for the subsequent semester exams. It looks forward to an intellectually enriched opportunity for future educational decision making at any adverse time. The purpose of this paper is to try to address the needs of online teaching-learning in education amid the COVID-19 epidemic, and how can the existing resources of educational institutions effectively transform formal education into online education with the help of virtual classes and other important online resources? And use of teaching and learning related apps in the Department of Collegiate Education of Karnataka state.*

Keywords: *COVID 19 pandemic, Online Teaching, Teaching tools, Higher Education, Karnataka DEC*

I INTRODUCTION

COVID-19 is a highly contagious disease or disease caused by coronavirus 2 (SARS-CoV-2), an acute respiratory syndrome originating in the city of Wuhan, China, which has already taken an epidemic, affecting all continents. COVID-19 is known as the epidemic because of its severity and ferocity and is the biggest global health crisis in centuries after human civilization. The beginning of the coronavirus novel devastated everything from world economies to social practices (Schulten, 2020). For that reason, the International Labor Organization (ILO) estimates that 195 million jobs could be lost (UNDP, 2020). However, there are many changes in the education system in India due to COVID-19.

The Government of India has begun to consider the importance of ICT and the use of online education as part of the mandatory teaching-learning process at tertiary level. Moreover, this is reflected in the draft New Education Policy 2019, which was considered a proactive and highly technological effective step at the time. Active-Learning Study Webs (SWAYAM) is a program or platform for Massive Free Online Courses (MOOC) for young aspiring minds, Government of India organized on various quadrilateral. Swayam Prabha is a group of 32 DTH channels dedicated to broadcasting high quality educational programs throughout the week. The Annual Refresher Program in Teaching (ARPIT) is an online professional development program launched by MHRD on November 13, 2018 using the SWHYAM platform. Another initiative of MHRD is the e-PG course run by the University Grants Commission (UGC), which provides high quality curriculum based and interactive e-content in 70 sections. E-Pathashala is a joint venture of MHRD and the National Educational Research and Training Board (NCERT), which provides educational resources to teachers, educators, teachers, research scholars, students and parents through an online learning platform.

Therefore, it can be said that we were unaware of the challenges and future of online education. Everyone, teachers or students, was friendly in using the social media app. WhatsApp, Facebook, Twitter, Instagram, online learning platforms such as ZOOM Cisco Webex, Google Meet, A-Z Screen Recorder, X recorder etc. have become easier to use as a sign of positive transfer of learning. Also, there are some useful educational apps, such as Office 365, Google Classroom and a more user-friendly video conferencing app that can be downloaded for free and easy to use. The majority of teachers and students' own smartphones and only a significant number of laptops are the resources needed to implement online teaching-learning.

The Department of College Education in Karnataka has initiated online teaching for graduate students in this COVID-19 pandemic time for the advancement of higher education and instructed the students to use online courses to conduct online classes with a view to delivering online courses to students. Transfer of information resources through WhatsApp, and teaching to students using ZOOM, Google Classroom, Webinar, YouTube Videos, Telegram, ZOOM Cisco Webex, Google Meet, A-Z Screen Recorder, X recorder, etc.

II OBJECTIVES

1. To uncover the different types of online teaching-learning applications adopted during the COVID-19 epidemic.

2. Studying teachers 'and students' perceptions of online teaching-learning during the COVID-19 epidemic.

3. Reviewing the challenges teachers and students face in adapting the online teaching-learning process during the COVID-19 epidemic.

III INFORMATION ON USE OF TEACHING-LEARNING TOOLS IN HIGHER EDUCATION OF KARNATAKA

- WhatsApp
- ZOOM App
- Google Meet
- Webinar
- YouTube Videos
- Telegram
- Cisco
- WebX
- A-Z Screen Recorder
- X recorder

1) WhatsApp

WhatsApp is a reality in education. Educators see the benefits of the WhatsApp application in the education process. Experts suggest the use of chat groups to share classes with students in virtual mode. Many interesting tasks can be done with the messaging app. For example, allow students to share tasks through video calls. Similarly, the Department of Collegiate Education's wide range of college students can help with this WhatsApp to join the Zoom, Google Meet these applications and send the PDF books from the e-library.

2) ZOOM

ZOOM Application is meetings for desktop and mobile provide tools to optimize each meeting. The universities are becoming the new normal. This is temporarily true with graduate colleges and universities impacted by COVID-19, but it may become more permanent depending on how social distance guidelines progress. The application is currently useful to conduct online teaching for graduate and postgraduate students in college education.

3) Google Meet

Meeting uses the same protection that Google uses to protect our information and protect our privacy. Meet video conferences are encrypted in transit, and our security measures are constantly updated for greater security. Google Meet is currently useful to conduct online teaching for graduate and postgraduate students in college education.

4) Webinar

The application of webinar is an online seminar that turns presentations into real-time conversations from anywhere in the world. Webinars allow large groups of participants to engage in online discussions or training programs and share audio, documents, or slides - even if they're not in the same place as meeting hosts or in the same room where an event or presentation is taking place. Webinar app is currently useful to conduct online seminars, workshops, and conferences for the teachers of colleges and Universities.

5) YouTube Videos

YouTube is an online video-sharing platform, it allows users to upload, view, rate, share, add to playlists, report, comment on videos and subscribe to other users. It offers a wide variety of user-generated and corporate media videos. Content available is video clips, TV show clips, music videos, short and documentaries, audio recordings, movie trailers, live streams, and video blogging, short original videos and educational videos. A total 300 the Government of Karnataka college teachers in Karnataka have been trained on how to prepare and deliver e-content to students. It is very useful for delivering student learning videos and it is very useful for e-content.

6) Telegram

Telegram is a messaging app that focuses on speed and security, which is fast, simple and free. We can use Telegram simultaneously on all our devices – our messages sync seamlessly to any of our mobiles, tablets, and computers. The Collegiate Education Department of Karnataka is currently using this application to use to conduct online teaching for graduate and postgraduate students in college education.

7) Cisco

Cisco Webex Meetings offers over 25 billion meetings a month, offering industry-leading video and audio conferencing with sharing, chat and more. That is why WebX meetings are the most reliable video conferencing solution today. The Collegiate Education Department of Karnataka is rarely using this application to use to the conduct of online teaching for graduate and postgraduate students in college education.

8) WebX

Webex Meetings is our classic video conferencing tool. Every person should be able to share their camera, content and talk at any time. However, when it comes to sharing content, only one person can share content at a time. The Collegiate Education Department of Karnataka is specially using this application to use to the conduct of online teaching for graduate and postgraduate students in college education.

9) A-Z Screen Recorder

A-Z Screen Recorder is a stable, high-quality screen recorder for Android that helps our record smoothly. The Collegiate Education Department of Karnataka is specially using as an advanced application to conduct online teaching for graduate and postgraduate students in college education.

10) X recorder

The X Recorder helps our capture the screen effortlessly. This app is used by the Department of Higher Education of Karnataka for online teaching for undergraduate and postgraduate students in college education.

IV CONCLUSION

The liberalization, privatization, and globalization of education have significantly deteriorated due to limited mobility and limited exchange of educational activities in the higher education system of Karnataka during the COVID-19 lockdown. But remarkably, everyone must learn to live and live with the current crisis because it is only the beginning. In the long run, no one can bear the negligence of digital transformation and use of teaching tools in higher education institutions of Karnataka state. The Department of College Education in Karnataka is using COVID-19 pandemic online teaching and learning tools such as WhatsApp, Om App, Google Meet, Webinar, YouTube Videos, Telegram, Cisco, WebX, AZ Screen Recorder, and X Recorder and these apps are the best way to deal with the complexity of online education is to develop multimodal approaches to achieve course content objectives for better learning outcomes.

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