

## Online Teaching & Its Outcomes

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### Abstract:

Classrooms now days have gone beyond the physical walls in which internet connectivity was used for teaching & learning process. One of many ways is Online classroom (OC) which means synchronous instructor dependent classroom hours, conducted online. Lecturers have been conducting online classroom independently for many purposes such as replacing classes and integrating blended learning techniques. The present Covid 19 pandemic situation demand for social distancing. Online learning is the best solution during this pandemic situation. Teachers can use virtual classrooms to teach from home with all necessary tools which makes the Online learning as effective as traditional ones. This article emphasizes on how online learning is beneficial during times of crisis like pandemics. Therefore some tools & techniques are suggested for Online learning which can ensure the continuity of teaching & learning process. This article is intended to stimulate reflections on effective e resources & strategies to enhance faculty success in their transition from traditional pedagogical platforms to online teaching & learning.

### Objectives:

- Enhance quality of teaching & learning.
- Improves the efficiency & effectiveness.
- Improve user accessibility & time flexibility to engage learners in the learning process.
- Provides professional development opportunities.
- Meet learning styles of students.

**Key words:** Online Teaching & Learning, Online Learning platforms, Online learning resources, Online Learning Assessment.

### Review of Literature:

We began this Theoretical Paper Presentation /article with a review of past studies of the issues & trends in Online teaching & learning in higher education.

### Introduction:

Online Teaching & Learning is the newest and most popular form of education today. Within the past decade it has had a major impact on school education as well as higher education and the trend is only increasing.

One of the most often used terms after the Pandemic is the term “New Normal”. The New Normal in education is the increased use of Online Teaching & Learning tools. The Covid-19 pandemic has triggered new ways of teaching and learning. All around the World the Educational Institutions are looking towards Online Teaching & Learning

Platforms to continue with the process of educating students.

Today, digital teaching or learning has emerges as a necessary resource for teachers & students all over the World. For many educational Institutions, this is an entirely a new way of education that they have to adopt. Online teaching & learning is now applicable not just to teach academics but it also extend teaching Co Curricular activities for students as well.

In recent months, the demand for Online teaching has risen significantly and it will continue doing so in the future. The value of Online teaching or learning is being recognized by more organizers, since it is cost effective way to deliver a large number of people. It can produce significant

outcomes by not only decreasing costs, but also by improving performances.

### **Online Teaching & its Outcomes.**

Online teaching & learning is a process of Education that takes place over the Internet. It is often referred to as “e-learning” or “e- teaching” among other terms. However Online teaching is just one type of “distance teaching & learning process”. Any teaching or learning takes place across distance and not in a traditional classroom.

Distance learning has a long history and there are several types available today, including **Correspondence courses**:conducted through regular mail with little interaction.

**Tele courses**: where content is delivered via radio or television broadcast.

**CD-ROM Courses**: where the students interact with static computer content, which is designed by expert teachers.

**Online Teaching & Learning**: Internet based courses offered Synchronous & Asynchronously.

**Mobile Learning**: by means of devices such as Cellular phones, digital audio player (iPods, MP3 player). By for the most popular approach today is online learning.

According to the Sloan Consortium, Online enrollments continue to grow at rates faster than for the broader student population and Institutes of higher education expect the rate of growth to continue increasing.

A majority of academic leaders believe that online teaching & learning quality is already equal to or superior to face to face instructions. It is found that there is no significant difference in this phenomenon.

Online Teaching & Learning can be encouraged during Pandemic Covid-19 because

- One can acquire knowledge staying at home & can maintain social distancing.
- Outbreak of Covid-19 can be minimized due to social distancing.
- It offers complementary interactive support that allows students to study 24X7 and work at their own pace.
- It offers flexible scheduling.
- It is available in locations, with an Internet connection & students can attend using their

devices. (Mobile, Computer, Laptop, Tablet etc...)

- It deals with real time student monitoring as well as reporting.
- Improving the images of Institutions by offering technological solutions that solve real problems.

### **Resources for Online Teaching And Learning:**

In general , when taking Online education Program, you might encounter resources like:

- E Books
- E Journals
- Videos
- Recorded Lectures
- Quizzes
- Discussion Forums
- Live Question & Answer sessions
- Interviews

The resources offered to you for learning online with depend on the Institutions where you take your online programs.

### **E- Books, E-Textbooks & Journals :**

These written materials are essential resources in almost every course you'll take when learning Online. The main advantage of using this medium is the fact that they are completely portable, allowing you to study on the go from your computer, phone or tablet.

### **Recorded Lectures:**

Online Education programs often use a combination of discussion forums & Interactive Question & Answer sessions to give you the interaction with students.

### **Web Based Learning in H.E.**

- MOOC's – Massive Online Open Courses
- OER – Open Education Resources
- E- Courses like distance courses
- E-Resources like CD ROMs, Diskettes, portable computer databases, websites etc..

### **The major E- resources/ Digital initiatives in Higher Education in India**

SWAYAM–Study Webs of Active Learning for Young Aspiring Minds. SWAYAM PRABHA, National Academic Depository (NAD), National Digital Library of India (NDL India), E- Shodh Sindhu (eSS), Virtual Labs, e- Yantra , Talk to a



Teacher Programme, E-acharya, E-Kalpa, OSCAR (Open Source Courseware Animation Repository), Shodh Gangotri, Virtual Learning Environment Text Transcription, SOS tools (Software & Simulation Tools), e-PG Pathshala, National Knowledge Network (NKN), Vidyanidhi, Project Ekalavya, FOSSE (Free/Libre Open Source Software), Vidwan, Spoken Tutorial, BAADAL, Global Initiatives of Academic Networks (GIAN), IMPRINT (IMPacting on Research Innovation & Technology), SAKSHAT – A one stop educational project, Atal Ranking of Institutions on Innovation achievements (ARIIA), Digilocker, National Program on Technology Enhanced Learning (NPTEL)

### **Online Teaching Platforms:**

The following are commonly used online Teaching Or Learning Platforms.

- Google meet
- Zoom platform
- WebEx
- Skype
- Face book
- You tube
- Learning Management System (LMS) like moodle, Edmodo, wizi IQ, Canvas, Google classroom etc..

### **How is Online Learning Assessed?**

The Assessment types that are commonly taking place for online learning:

- Individual Assignments through Google Classroom
- Discussion activities
- E- Mail / Online Oral or written test.
- Online Survey by using Google forms.
- Journal activities : A Journal entry is an ongoing update giving you the opportunity to reflect back on what you have learned during the period under review and how you will apply what you have learned in the future.

### **Advantages of Online Teaching And Learning:**

#### **A) Efficiency:**

Online teaching or learning offers teachers an efficient way to deliver lessons to students. Online

learning has number of tools such as videos, PDF's, podcasts and teachers can use all these tools as part of their lesson plans. By extending the lesson plan beyond traditional textbooks to include Online resources, teachers are able to become more efficient educator.

#### **B) Accessibility of Time and Place:**

Online teaching allows teachers to reach out to a more extensive network of students, instead of being restricted by geographical boundaries. Also Online lectures can be recorded, archived and shared for future reference.

#### **C) Affordability:**

Online education is far more affordable as compared to physical learning. Also the study material available online which creates a paperless environment.

#### **D) Improved Students Attendance:**

Since Online classes are free of location of choice. Almost all students can attend classes from their places.

#### **E) Suits a variety of Learning Styles:**

The Online learning system, with its range of options and resources, can be personalized many ways. It is the best way to create a perfect learning environment to the needs of each student.

#### **F) New Technical Skills:**

Online teaching enables the teachers & students to use various digital materials, get familiar with new tools & software. And also enables to solve the common technical issues & hurdles.

#### **G) A Broader, Global Perspective:**

Online learning provides an opportunity for learners to network with people from around the globe and helps you to enhance your own cross cultural understandings.

#### **H) Creativity:**

Being exposed to new ideas from professionals in other countries may spark creativity of your own. Creativity that can turn out to be valuable for your own future.

#### **I) Refined Critical Thinking Skills:**

Online teaching facilitates the ability to think critically about what you do every day and makes you think differently and develops critical thinking skills.

**Disadvantages of Online Teaching And Learning:****A) Inability to Focus on Screen:**

One of the biggest challenges of Online teaching or learning is the struggle with focusing on the screen for long period of time. Therefore it is imperative for the teachers to keep their online classes crisp, engaging and interactive to help students stay focused on the lesson.

**B) Technology Skills:**

Another key challenge of online class is Internet connectivity, especially in remote rural areas.

**C) Sense of Isolation:**

Online class has minimal physical interactions among students and also between students & teachers. This often results in a sense of isolation for the students.

**D) Lack of Technical Skills & Resources:**

Online teaching requires necessary technical skills & resources. Sometimes teachers may not have necessary technical skills, resources and tools to conduct online classes.

**E) Manage Screen Time:**

Many parents are concerned about the health hazards of having their children spend so many hours staring at a screen. This increase in screen time is one of the biggest concern and disadvantages of online learning. Sometimes students also develop bad postures & other physical problems due to staying hunched in front of a screen.

**Conclusion:**

Online learning is the most common method of distance learning today. During lockdown period for Covid-19 Online learning is the best platform to keep learners / educators engaged and safe by maintaining social distancing. Online learning methods utilize various applications of the internet to distribute classroom materials and help learners & educators interact with one another.

Online learning is considered as future learning process and this platform has a potential of overall change in pedagogy of teaching learning in the modern world. However necessary steps must be taken to train all stakeholders' of education on online learning platform. Technology alone does nothing to enhance online pedagogy. According to Jacobsen, et al.(p.44, 2002), the real challenge is to

“develop fluency with teaching and learning with technology, not just with technology, itself”.

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