COVER PAGE

Research Paper Title: **Transforming Traditional Teaching- use of   Open Educational Resources in ODL**

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DECLARATION

I, the undersigned, hereby would like to explicitly state that the write-up titled,
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Transforming Traditional Teaching - Use of Open Educational Resources in ODL

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Abstract

As schools and universities are shutting down around the globe because of COVID-19, many of us in academia are wondering how we can get up to speed and establish a stable direction towards workflow to get our podcasts, online lectures and tutorials for our students. The role of free tools plays an important role here. How effectively they can be used? How online teaching can make a greater impact on today's education? All academicians should explore new teaching tools and techniques.

Keywords: Moodle, ThingLink, TED-Ed, OER

Introduction

Open and Distance Learning (ODL) is a system of education wherein teachers and learners need not to be present either at same place or same time and is flexible regarding modalities and timing of teaching and also learning, as well as the admission criteria, without compromising necessary quality parameters/considerations. The online education system of the country comprises Indira Gandhi National Open University (IGNOU), State Open Universities (SOUs), Institutions and Universities offering education and includes Correspondence Course Institutes (CCIs) in conventional dual mode universities. 54% students believe that open educational resources are extremely important to their academic success. This statement has come from 2013's ECAR study which looks at exactly how students today are using technology in the classroom. There are other advantages also. The most important advantage is that teachers can now offer a unique, more personalized and engaging learning experience to their students.

Open Source Tools

Thousands of digital education tools are created with the purpose of giving autonomy

to the student, improving the administration of academic processes, encouraging collaboration and facilitating communication between teachers and learners.

The top amazing tools for online teaching are:

1. **Canvas**

   Canvas is the educational revolution by Instructure, the technology company that makes smart software that makes people smarter. Besides the Canvas learning management system (LMS), Instructure offers Canvas Commons, the learning object repository (LOR) that actually gets used; Canvas Catalog, the customizable, all-in-one course catalog, registration system, and payment gateway; and Canvas Network, an index of open, online courses taught by educators everywhere.

2. **Google Classroom**

   Classroom is a tool in Google Apps for Education that helps teachers create and organize assignments quickly, provide feedback efficiently and easily communicate with their classes.

3. **ThingLink**

   ThingLink allows educators to create interactive images with music, sounds, texts and photographs. These can be shared on other websites or on social networks, such as Twitter and Facebook. ThingLink offers the possibility for teachers to create learning methodologies that awaken the curiosity of students through interactive content that can expand their knowledge.

4. **TED-Ed**

   TED-Ed is one of the most popular educational platform that allows users to create educational lessons with the collaboration of teachers, students, animators—people who want to expand knowledge and have good ideas. The biggest advantage is that particularly this website allows democratizing access to information, for both teachers and students. Here, people may have an active participation in the learning process of others.

5. **cK-12**

   CK-12 is another popular website that intends to reduce the cost of academic books for the K12 market in the United States and the world. In order to achieve this objective, this platform has an open source interface that allows creating and distributing educational material by the use of internet, which can be modified and contains videos, audios, clips, notes and interactive exercises. All these can also be printed and comply with the necessary editorial standards in each region. The notes that are created through this site (cK-12) can be adapted to the needs of any teacher or student.

6. **ClassDojo**

ClassDojo is another important tool to improve student behaviour. These days teachers provide their students with instant feedback so that good disposition in class is 'rewarded' with points and students have a more receptive attitude towards the learning process. It basically provides the users real-time notifications, such as, to students 'Well Done David!' and for working collaboratively '+1.' The information that is collected about student behaviour can be shared later with parents and administrators through the web.

Benefits of Online Education

1. Flexibility

Learners/students have this freedom to juggle their careers and school because they are not tied down to a fixed schedule. In a traditional offline classroom setting, class meeting times are preset and the student has no power over this, forcing him/her to work their schedules around these dates. Most people who choose online learning tend to have other commitments, and prefer this mode of learning as it gives them power over how they will delegate their time towards their different projects.

2. Reduced Costs

Online education basically costs less due to a variety of reasons. For example, there is no cost for commuting. Assorted costs that are related to transport, such as fuel, parking, car maintenance and public transportation costs do not affect the online student.

3. Networking Opportunities

Online education has another advantage also. It provides students/learners with the chance to network with peers across nations or even different continents. This often paves the way to other opportunities in terms of collaboration with other individuals in the creation/implementation of a project. In addition to this, parallelly, it makes them culturally sensitive and able to fit into other environments easily given their exposure to other cultures.

4. Documentation

All the information that you will need will be safely stored in an online database. This includes things such as live discussion documents, training materials and emails. What it actually means is that if there is anything that needs to be elucidated, the student will be able to access these documents fast. This in turn will help in saving valuable time. Talking about its most usage, it is especially useful for individuals that

need to carry out research for a project and submit their findings to a panel.

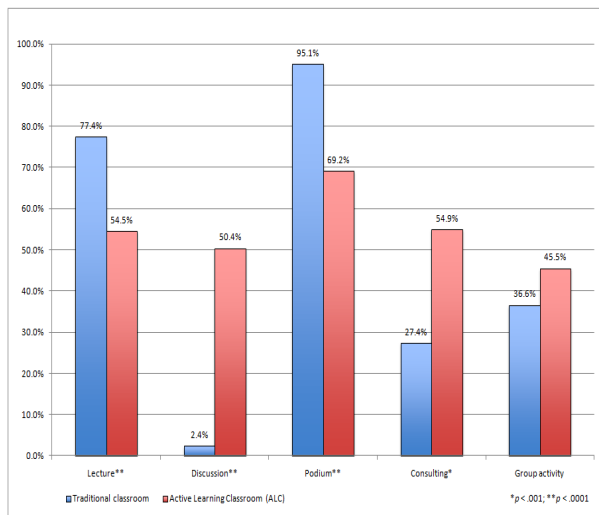## 5. Increased Instructor - Student Time

Students in offline classrooms may or may not get the personalized attention they need to have for clarification about concepts. Even though the class sizes are small at CCA, most of the colleges have classes of students that number in the hundreds. This is not considered as a problem for this kind of unconventional education. Because online guided discussions and personal talk time with their professors and lecturers/teachers is an indicator of online classes. This increases the chances of performing well by a student due to the time their instructors give them. It also improves their problem-solving and communication skills, as well as knowing how to defend their arguments to superiors if needed.

6. Access to Expertise

An education in electronic mode for educational institutions such as colleges, schools, universities might give students access to specialized skill based degree courses that may not be available in an easily accessible or local institution of learning. Online learning provides the path for sharing expertise that helps more. People have access to education that is not readily available in certain geographical locations.

Such education pattern has grown over the last few years and has experienced mainstream acceptance. With the support of online class, one can get the control of their learning atmosphere, which eventually helps students develop a deeper understanding of their degree course. There are many new educational models of learning that are booming up in the market, providing students with varied opportunities to fashion their education into something that fits them, not the other way round. It also provides an opportunity to individuals to finish a graduation degree. They might have started and were unable to continue with for one reason or another. The future looks promising for degrees which are online. It also paves a long way for education to a larger section of the population than ever before.

Graph 2.1 Online education vs traditional teaching

The above graph clearly shows the trend of online education.

Generally, online education is a great option for students who have a little more freedom in their schedules. It is because conventionally the students do have some leniency in their scheduling in that some schools offer night classes. Some schools also offer classes that follows a schedule where teachers and students meet only once per week.

There is one simple and overlooking factor when it comes to scheduling is travel time to campus—a long commute can probably make schedules difficult, especially if one is planning on working while in school.
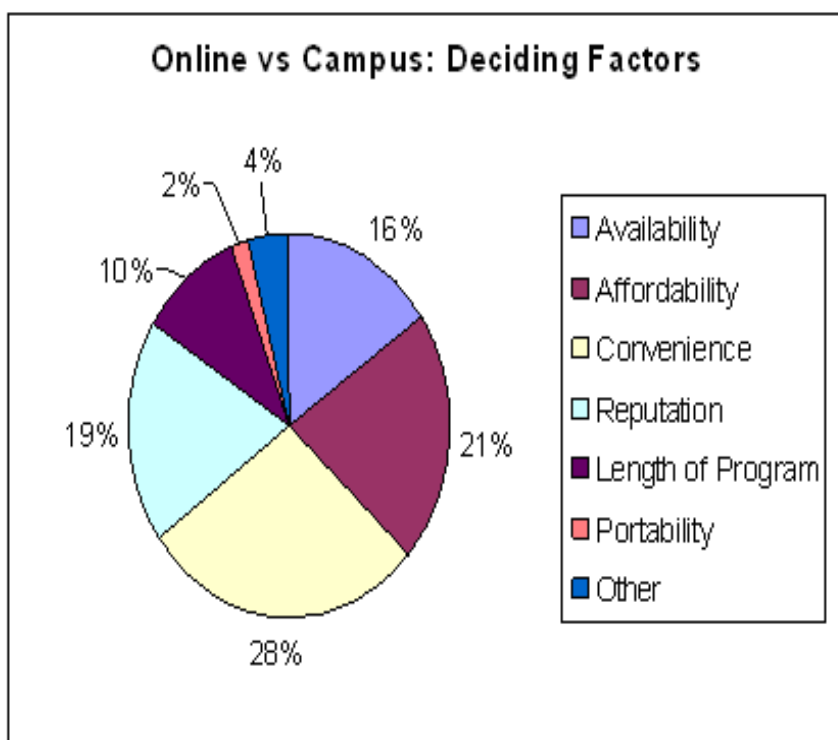

Chart 2.2 Online vs campus: deciding factors

Online Vs. Traditional Education: Discipline and Self-Motivation

One must take into account one thing when considering their faculty choices is their level of self-discipline.

Online education:

The online learning has increased flexibility that comes with a bit of a trade-off—you'll need to be highly self-inspired. All universities/colleges/educational institutes' classes require students to maintain required reading and assignments. However, some students may struggle to stay activated and motivated when learning from the comfort of their home.

The best students who are learning online may develop skills. These students might develop strategies for staying up to date on their respective coursework. They keep some free time every week for studying and creating a workspace with minimal distractions can help immensely.

Traditional education:

In the case of traditional education if we talk about punctuality, discipline and determination– traditional education does have an advantage in the views of millions. The regular and planned schedule of attending class a few times per week and having regular face-to-face interactions with instructors can help keep students on task. Students in offline, in-class/on campus settings have ample of opportunities and accessibility to be reminded of upcoming assignments which can help if they tend to procrastinate on large, time-consuming assignments.

Online Vs. Traditional Education: Social Interaction

One major area to consider is the level of social interaction students are hoping to have as they earn their degree. Do they need interaction from their peers and instructors to succeed and stay motivated? Or do they thrive in an independent study environment?

Online education:

Having Social interaction with professors and other students, while not as common in online courses, still happens regularly. The major difference is in the form it takes, with many online student interactions/discussions happening via video chat or through online discussion posts.

There are some online courses, which may also offer pre-recorded videos of the same lectures given to traditional, on-campus students. If the students is a social learner who likes to ask questions and pick the brains of their instructors, these video lectures can actually help them earn a deeper understanding of assigned reading materials.

Traditional education:

Despite a lot of technological advances in online education, traditional education is still likely a better option for those who thrive on face-to-face communication/discussion: watching, seeing and interacting with their instructors/educators. Such interactions on a regular basis can be motivating for them—it is bit easier to travel one further mile if they apprehend their–academics/professor/instructor is likeable and dedicated towards education.

Offline, ancient category settings can also provide additional facilities for this state of affairs questioning or attention-grabbing tangents which will facilitate a plan "strike" within the minds of students/learners.

Online Vs. Traditional Education: The Blended Education Model

It is slowly changing into clear to those that each online and traditional/at school education has its perks. Is there any way to reach the simplest of both? There is one possibility that is increasing in quality that is popularly referred to as as "blended learning."

In the current situation, info is meant to implement each offline, in-person learning and on-line work. The implementation of information planning will vary greatly, betting on the topic and educators. Except, for example, instructors could need solely meeting weekly for lectures, whereas assignment projects/assignments or alternative activities for college students to finish online at their own pace. This primarily permits students to receive a number of the positives from face-to-face social learning whereas still letting planning some flexibility.

There is another example–it would be a foundational program that offers some courses on campus and others online. For understanding, let us take an example of a Medicine Program. A medicine program may include an online anatomy course, and a simulation lab on campus. The ideology here is that certain courses involve material that is favourable to online learning,

while other lessons can only be taught in a physical classroom or lab.

Fig 3.1 Online tools for teaching

Conclusions

E-learning is not just a change of technology. It is part of a re-defining how we as a species transmit knowledge, skills, and values to younger generations of workers and students. Many case studies make few predictions of how e-learning and the functions it serves will continue to develop. Students will be able to have access to millions or billions of knowledge modules/study materials. Some will be webpages with simple text and graphics. Others may include multimedia simulations. In education sector in many fields, e-learning has become the default way to conduct training or to provide education. There are four secrets of e-learning. The first one is to teach what learners need to learn in the way they most naturally learn. The second secret is to define clear learning objectives. The third secret is based on the first two; it is to focus on the right objectives. The last secret is in the power of testing.

Promoting online study has been found by most of the researchers to open the students to vast resources that are found on the internet. Often most of the students in a classroom environment rely on the tutors notes and explanations for them to understand a given concept.

Among these, the main benefits of E-learning to institutions is the ability to provide training to large number of students located at any corner of the world. The students are charged hefty amount in the name of training fees and this increases the money available to the institution. This extra income can be used to develop new educational facilities and these will promote the education further (Gilli et al., 2002).

Despite all this, there are many advantages that online study has on transforming the learning process. There are some challenges imposed by the method. One of the challenges is the technological limitations of the current computers, which affects the quality of

the learning materials and the learning process in general.

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