

# New Ways of Teaching and Learning

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## Abstract

New ways of teaching and learning have been found to be very up-to-date in the field of education which no educator before COVID-19 could have imagined. In this paper, I have written about the new teaching and learning methods that came during COVID-19 period. This paper gives a general description of new types of learning methods.

**Keywords:** Teaching, Learning, Web Classroom, Online Education

## Introduction

With the evolution of human civilization, new horizons have been unveiled, various deadly diseases have taken away many lives in the present situation, but the activities of human life have lagged far behind. Unprecedented advances in science and technology have led to the discovery and adaptation of sophisticated teaching methods. Although the current education system feels the need for science and technology in almost all areas of human life, the methodological and strategic aspects of formal education remain Teachers gain self-satisfaction by following the end method.

### • Reasons for Unveiling New Types of Teaching and Learning Methods

At least two important elements are considered to be effective in introducing new methods instead of the traditional method of teaching when the traditional coronary plague strikes various countries including India and India as the backbone of the survival of human civilization.

#### (1) Population Explosion

Population is growing rapidly in almost all countries, especially in developing countries. Popular economist Malthus's population is growing at a geometric rate of 1, 2, 4, 8, 16, 32, 64. It was impossible for a large number of students to teach in the activities so new learning and teaching methods were needed to save the learning process from the corners.

#### (2) Knowledge Explosion

Knowledge of all subjects is a series of new things that have to be learned from one class to another, but in addition to the distribution of teaching materials, new knowledge is gathered, new information and theories are discovered, especially in science. New learning methods have been discovered and gained much popularity.

- **The New Teaching and Learning Methods that Came after the COVID-19 Epidemic**

The number of students in the current field of education has multiplied. The differences between them are varied. Therefore, new learning and teaching methods are described below, keeping in mind the diversity of students in the subject.

### **Web Classroom**

#### **(1) Google Meet Classroom**

With the proliferation of COVID-19, countries around the world, including India, have become accustomed to lockdowns in this digital education system. Here one can conduct their discussions for free. A high quality security software. As video and audio are both available here, it facilitates the general classroom. Host and participants can provide their feedback, so the popularity of digital classrooms has increased significantly in many countries around the world, including India. It is known that about 50 million people have downloaded from the Google Play Store.

#### **(2) Zoom Cloud Meeting Classroom**

It is a digital classroom where hosts participants can sit at home and be part of the learning process at their own convenience. Like other digital platforms, video audio is available here and users' personal information is protected. It is the largest web conferencing platform in the world. It launched in 2013 and in the first phase 400,000 people signed up. And in the COVID-19 scenario, it has more than 300 million users because of its state-of-the-art facilities. Any information can be easily presented here and teacher-student communication is two-way instead of one-way.

#### **(3) Unacademy, Byju's Web Classroom**

Due to the closure of all educational institutions in the country due to COVID-19 the tendency of enrolling students in these companies has increased considerably which is still current and even though they are currently paid versions, COVID-19 has offered free access in case of epidemic. The founder of Byju's said in a statement "since our announcement last week we have witnessed a 60% increase in the number of new student using the app to learn from now daily".

Has been able to increase the number of Unacademy and their students. Here various courses are offered from primary level to higher education level with it study materials and evaluations. Courses like NET, NEET are taught here. The number of students here increases a lot in the hope of success in life. Gaurav Munjal, co-founder and CEO at Unacademy said "In the last three years learners who are watching the live classes have increased by 3x. We are clocking 30 millions of watch time on Unacademy every single day. Our educators have stepped up and started talking more live classes."

#### **(4) MOOC**

MOOC's full form is Massive Open Online Course. MOOC recent and widely research development in distance education in 2006. This is a UGC-approved organization. The reliability of the information provided here is very high and specifies that the certificate is available and the certificate payable is equally effective in any case. Here accounting course, areas studies course, business and management studies course, chemistry course, computer programming course, computer programming framework

packages course etc. available. It has grown from 1.6 million to 10.3 million users in COVID-19. It offers 83 undergraduate and 40 postgraduate non engineering degrees.

### **(5) Swayamprabha**

According to the Indian Ministry of Human Resource Development, the number of COVID-19 users has increased significantly. It is usually able to teach students in remote areas. The need for internet is not felt here. Students studying at JEE & NEET can also study at home. Professors from different universities teach here for high level students and school level students (9-12 grades). Recently, NCTE, like IGNOU, has been associated with it to promote their education, so its popularity was not limited to the COVID-19 period, it has grown in popularity recently and has played a significant role in the education renaissance.

Not only has the web-based learning and teaching method opened new horizons in the COVID-19 situation, but some of the older teaching methods have also gained considerable popularity in a new way.

### **Dalton Method**

The feature of the Dalton method of planning is the workload. Assignment of specific tasks assigned by the teacher. How much work a particular student will do in a given period of time is determined by his workload. The best Dalton method to mention here is that although the student has the freedom to choose or determine the content, arbitrariness is not allowed. The year-round curriculum for each subject is divided into one-month effective, which is currently included in the semester stage. By following this method the student is always engaged in the work so that COVID-19 does not miss the emotional inconsistency among the students that occurred in the nineteen situation. In addition to personal learning, social significance has been given here due to which teachers have explored the modern age by organizing performances, music etc. using various digital platforms and this method has been used especially on relatively low level students.

### **Modular Approach**

The modular method is one of the most recent additions to the modernization of teaching methods. This is a self-reliant learning method where no teacher is required to donate. Here students actively learn on their own and see the models as the teacher's role in the kit. COVID-19 was seen by students in the adopt this approach. Since there is no special need for teachers here, it has been able to fill the shortage of enough teachers. Also one of the reasons for its popularity is its evaluation method, answers are given at the end of each lesson or at the end of the module. This allows students to learn about successes or failures after matching their answers.

### **Limitations**

While the new teaching method has caused a stir in the COVID-19 era, its limitations are obvious to the public. Although modern technology and human civilization work on the mirror, its limitations are discussed below.

1. Web-based education usually relies on additional technology.
2. Lack of skilled trained teachers in web management.

3. In most cases, the internet has to be relied upon as technology-dependent, which is impossible for students in remote areas.
4. Money is needed to take advantage of internet packages which many students do not have.
5. Providing web-based education is not at all convenient in case of natural calamities and disturbances occur on that day due to which class discipline is disrupted.
6. Excessive use can cause physical harm and other mental illnesses besides spondylosis have been reported.
7. Lack of a physical presence between teachers and students.
8. If the students are inattentive in their studies, the teacher will not be able to understand it easily.

### Conclusion

We know that the main purpose of education is the spontaneous learning of the student and the holistic development of its inherent potential. The two most important components of this development are mental and peripheral development. While online-based teaching keeps students' mental development intact, proactive development has not been successful in online-based learning. Also the mother tongue is largely neglected through this online based education donation. We need to keep in mind that the child's natural skills in the mother tongue build confidence in him so that his mental development is possible. So we have to solve these issues very soon keeping in mind the future. However, it can be said that web based learning system has emerged as a new teaching method in the whole world including India which is clear from its users, in this kind of teaching, it is vital to determine the speed of teaching. The teacher will usually set the pace for the average child, but he will also keep in mind the exceptional children, that is, he will try to maintain a balance. Again, we need to keep in mind that students are subjugated to the web and the web of information, and do not step on the role of friend, philosopher and guide between teacher and student. In this context, it is worth mentioning that the Government of India and the provincial education ministries of different countries have to issue various guidelines in this regard, and to spread the awareness message of teachers and students through various educational guidelines, also to keep the physical and mental development of the students intact with the advice of various universities and UNESCO regarding online education.

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