

# Chapter 8

## Effective Teaching Strategies for Overcoming the Challenges of E-Learning

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### ABSTRACT

*Online education has become an integral part of the modern educational landscape and brought about significant transformations in the field of learning. Though delivery of information and instructions through digital architecture, which enable students to access programs and directories remotely, without the limitations of time and distance, is the first step in organizing online education, it is also true that everyone has their own views and thoughts on the approach of converting the traditional education system into electronic education, due to which the online education system has faced difficulties in stepping into this field. Therefore, a strong understanding of the facts, circumstances, and challenges of this technology is essential for implementing an e-learning system. In this chapter, the authors aim to understand the various challenges faced by teachers during online classes and various strategies adopted by the teachers to overcome the challenges of online classes.*

### INTRODUCTION

A study by Allen and Seaman (2017) shows the popularity and expansion of online learning among non-traditional students and underrepresented groups. Delivery of information and instructions through digital architecture, which enables students to access programs and directories remotely, without the limitations of time and distance, is the first step in organizing online education. Means et al. (2013) looked at offline and blended learning methods in a meta-study. According to studies, online teaching

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can enhance learning outcomes, such as progress in subject-matter knowledge and analytical abilities. As online education becomes more prevalent, it is important to analyze and understand how it affects different groups of people, such as our students, community, our followers, and society at large. In addition, the operation of online education, startup data production, teaching, and operation of education are all different. To enhance the general efficiency of online learning, Picciano (2017) emphasizes the importance of social presence, instructor support, and learner engagement. The study emphasizes the importance of creating offline creative's that are engaging, engaging and foster a sense of community. In addition, it can be difficult to safely discuss sensitive material if we receive our education online. In addition, it can be difficult to securely discuss data while learning online, which can have an impact on online tests and papers. A study is conducted on an offline classroom environment for inventory management education. This study looks at how online learning affects creating and managing inventory, offering start-up businesses new strategies for managing them online. Apart from this, whenever we discuss the positivity of something, there is also negativity attached to it. Sitzman et al. (2006) studied technical difficulties, some social interactions, and standard online learning materials. It is very important to understand the limitations and issues of online classes so that the problems that occur during online teaching can be understood and those challenges can be overcome because otherwise, it reduces the benefits and effects of online teaching. It is also true that everyone has their own views and thoughts on the approach of converting the traditional education system into electronic education, due to which the online education system has faced difficulties in stepping into this field. Therefore, a strong understanding of the facts, circumstances, and challenges of this technology is very essential for implementing an e-learning system. In this research paper we aim to understand the various challenges faced by teachers during online classes and various strategies adopting by the teachers to overcome the challenges of online classes.

## **BACKGROUND**

Online learning plays a vital role in student development as it has changed the face of education by providing flexibility, access to students, and opportunity for personalized learning. Online education has set new dimensions in the dissemination of educational information and teaching through digital platforms to enable learners to attend courses remotely. Due to its increasing popularity, many educational institutions around the world have started using this method of teaching. In order to make wise decisions and fully utilize the potential of online education, educators, policymakers and stakeholders must have a thorough understanding of its implications. According to Allen and Seaman (2017), online enrollment is on the rise, especially among underrepresented groups and non-traditional students. Geographical barriers can be overcome through online education, allowing students from disadvantaged or rural locations access to top-notch education. Due to rapid advancement of information and technology, distance learning is now become easier to access at anytime and from anywhere (Apriliyanti, 2021). E-learning with the highest level of quality standards has the potential to improve student experience & satisfaction (Oduma, C.A., Onyema, L.N., Akiti, N. 2019). The use of a Students centric approach, Internet-based learning tools and the delivery of educational experiences in a modern or asynchronous way makes online learning and teaching an approach that can further improve the learning-teaching process (Smedley, 2012). E-learning requires a collaborative effort and trust between student and teacher that is not constrained by the constraints of time and space as in the traditional education system (Cantelon,

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