

## INVESTIGATION OF TEACHING AND LEARNING MODELS IN PRE-PANDEMIC, PANDEMIC AND POST-PANDEMIC PERIOD

**Dr. B. Vinayagasundaram**

Computer Center, Madras Institute of Technology  
Anna University  
Chennai, India  
[bvsundaram@annauniv.edu](mailto:bvsundaram@annauniv.edu)  
Orchid ID: 0000-0002-9149-8937

**D. Piratheba**

Computer Center, Madras Institute of Technology  
Anna University  
Chennai, India  
[piratheba@mitindia.edu](mailto:piratheba@mitindia.edu)  
Orchid ID: 0000-0001-8002-1669

**Dr. R. Swathy**

Computer Center, Madras Institute of Technology  
Anna University  
Chennai, India  
[swathy.balamurugan@mitindia.edu](mailto:swathy.balamurugan@mitindia.edu)  
Orchid ID: 0000-0002-8480-4481

### Abstract

*Every individual must get quality education in order to build a developed society. Through education, people develop understanding skills, social skills, moral values, ethics and develop rational thinking. Various skill sets learnt will create an individual with good interpersonal and intellectual skills that contribute to the nation's development. Nowadays, education is not only provided at schools and colleges, but also available in every individual's hands. Earlier, the knowledge a person gain is decided by schools and colleges, however presently the individual decides what to learn, when to learn, and how to learn. Also, knowledge is not only gained from the books but also from the environment surrounding the student also plays a vital role. Learning from a book increases one's imaginative skills. However, when it is visualized it increases understandability. In the current hyper connected world, there are several models of learning such as traditional learning model, e-Learning model and hybrid learning model. The following work discusses the above learning models in three different situations like pre-pandemic period, pandemic period and post-pandemic period, their merits and demerits of the models. Among the teaching models, traditional teaching-learning process was carried out till pandemic; e-Learning has gained popularity during Covid-19 pandemic and has played a vital role in education and post-pandemic period utilizes hybrid learning technique. The proposed work helps to understand the different learning models and helps to identify effective learning environment based on individual needs and situation.*

**Keywords:** Education, Knowledge, Pandemic, Traditional Learning, E-Learning, Hybrid Learning



A

I

J

B

S

R