

Review Article

# Trends In Online Education 2020 In India

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**Abstract** - Due to COVID-19 Pandemic, the whole world is following the online education system. For online learning and teaching, the students and lecturers require different skill sets. Online education has various models. In this pandemic time, online education is the main resource for educational institutions and the students, lecturers. E-Learning is an emerging method of modern education. All universities and schools in India started the online education system due to the COVID-19 pandemic in the 2020 year. Online education has both advantages and disadvantages. Online education will become the main approaching model to the students by the year 2025. At present, most Universities are conducting exams and paper evaluations through online mode only. This study is based on the current trends in online education 2020 in India.

**Keywords** - Online Education, COVID-19, E-Learning.

## I. INTRODUCTION TO ONLINE EDUCATION

Online education was started in India in the middle of 2020. Online learning or E-learning involves courses offered by universities, schools, institutions which are 100% virtual. The word E-Learning was introduced in 1999. Online education or E-learning is defined as a learning process created by interaction sessions with digitally delivered content. E-Learning is an alternative method to traditional learning. It helps in sharing and improving our knowledge. Internet technology helps to upgrade our performance. The digital transformation of the education system has allowed the incorporation of a new technology learning ecosystem called E-Learning. Online learning allows us to bring educational opportunities to you. This learning type is especially beneficial to students who live far away from campus, have busy work schedules, family demands, and other commitments. Online courses are also an excellent option for students who prefer to work independently at any time of day. Online courses are taught using a combination of instructional technologies, which will vary for each course: PowerPoint presentations, video tutorials, learning activities on the Web, discussion board, and research using the Library or the Web. It is a training to ICT-based personalized, flexible, individual, self-organized, collaborative learning based on a community of learners, teachers, facilitators, experts. Online education

technologies offer learners control over the content, learning sequence, pace of learning time. E-learning is also called Web-based learning, online learning, distributed learning, computer-assisted instruction, or Internet-based learning. Historically, there have been two common e-learning modes: distance learning and computer-assisted instruction. Distance learning uses information technologies to deliver instruction to learners at remote locations from a central site. Computer-assisted instruction (also called computer-based learning and computer-based training) uses computers to aid in delivering stand-alone multimedia packages for learning and teaching.

## II. WHY WE ARE MOVING FROM TRADITIONAL EDUCATION TO ONLINE EDUCATION

The covid-19 pandemic caused the closing of classrooms all over India and forced students, lecturers, teachers to modify their face-to-face academic practices suddenly. This situation showed the strengths and weaknesses of the education system facing the challenge of digitalization. That's why we are moving to online education.

## III. WAYS IN WHICH ONLINE EDUCATION HELPS PEOPLE

- Webinar
- Videos
- Mock tests
- Counseling

**Webinar:** A seminar conducted in the online mode is referred to as a webinar. These days many online players conduct webinars that help candidates in conceptual clarity.

**Videos:** Videos are helpful for candidates in solving exam papers and other problem areas.

**Mock tests:** Mock tests are emerging as a popular course component for students. They participate in a series of tests and get a comparative assessment (with other students) of their performance. With mock tests, candidates also get to know their areas of improvement and test patterns of the competitive exam.



**Counseling:** As a differentiator, players in the online test prep market have also started offering course and career counseling services to students.

#### IV. WHY ONLINE EDUCATION GAINING POPULARITY

**Internet penetration:** India has an internet penetration of about 31% today, which means 409 million internet users. It is predicted that by 2021, there will be nearly 735 million internet users in India, which will lead to an increase in traffic for online education players.

**Smartphone penetration:** Currently, there are 290 million smartphone users in India, and the user base is expected to grow with the addition of another 180 million new users by 2021.

**The flexibility of time:** This is specifically true for working professionals who have time constraints in pursuing an offline course. Pursuing a course in online mode allows a person to multi-task with other work and family commitments.

**Quality education:** There are areas in India where there is a lack of quality in offline education

**Immediate results:** Online education allows candidates to get immediate results for any test that they appear for. This further helps them in preparing for exams more efficiently.

**Government initiatives:** The government's recent initiatives such as SWAYAM, e-Basta, and Digital India is expected to strengthen the infrastructure needed by students to pursue an education in online mode.

**Study material:** A variety of online study material in videos and texts is encouraging students to adopt online education platforms.

**Affordability:** Online courses joined at UG or PG level are much more affordable than traditional programs.

#### V. TOOLS OF ONLINE EDUCATION

**Skype:** Skype is a telecommunications application specializing in providing video chat and voice calls between computers, tablets, mobile devices, the Xbox One console, and smartwatches over the Internet. Skype also provides instant messaging services.

- **Google Classroom:** Google Classroom is a blended learning platform for schools aiming to simplify creating, distributing, and grading assignments in an entirely electronic format. It was introduced as a feature of Google Apps for Education following its public release on August 12, 2014.
- **Google Meet:** Google Meet (formerly known as Hangouts Meet) is a video-communication service developed by Google. It is one of two apps that

constitute the replacement for Google Hangouts, the other being Google Chat.

- **Cisco WebEx:** Webex Meetings is a powerful conferencing solution that lets you connect with anyone, anywhere, in real-time. By combining video, audio, and content sharing, Webex Meetings creates an effective conferencing environment, leading to more satisfying meetings and increased productivity.
- **Zoom:** Zoom is an American communications technology company headquartered in San Jose, California. It provides videotelephony and online chat services through a cloud-based peer-to-peer software platform and is used for teleconferencing, telecommuting, distance education, and social relations.
- **Byju's:** The Learning App is an Indian educational technology (ed-tech) and online tutoring firm founded in 2011 by Byju Raveendran at Bangalore. Classes by India's top teachers with live doubt solving. Personalized extra classes for weaker topics & Personal 1-1 attention by BYJU'S mentor. Curriculum as per school. Instant Doubt Resolution. One-on-one guidance. Courses: CBSE, ICSE, NCERT, State Board.
- **Microsoft Teams:** Microsoft Teams is the ultimate messaging app for your organization—a workspace for real-time collaboration and communication, meetings, file and app sharing, and even the occasional emoji! All in one place, all in the open, all accessible to everyone.
- **Code Tantra:** Code Tantra, Interactive Platform for Virtual School, Virtual University, Online Classes, Assessments, Low Bandwidth, Teach Anywhere, Learn Coding.
- **Coursera:** Coursera works with universities and other organizations to offer online courses, certifications, and degrees in various subjects.
- **Slack:** The Slack platform lets you extend, expand, and automate your workspaces. Cultivate conversation, inspire action, and integrate services by building apps or workflows.
- **Ekstep:** An open learning platform with a collection of learning resources in literacy & numeracy.
- **Audio and Video Lectures:** Recording a lecture or lecture segment is a great way to review and reflect on your teaching practice, and in fact, is a common

practice within the field of education. This process often involves recording part of a lecture so that an instructor can experience their teaching from a student's perspective.

- **Social Networks (chat rooms, forums):** A social networking service (also social networking site or social media) is an online platform that people use to build social networks or social relationships with other people who share similar personal or career interests, activities, backgrounds or real-life connections. Social networking services vary in format and number of features. They can incorporate a range of new information and communication tools, operating on desktops and laptops, on mobile devices such as tablet computers and smartphones.

## VI. CONCLUSION

Online learning is a growing and exciting new way to learn about almost anything. E-learning is not just a technology change. And it is part of a redefinition of how we, as a species, transmit knowledge, skills, and values to younger generations of workers and students. Learners will have access to millions or billions of knowledge modules. Some will be Web pages with simple text and graphics.

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