COVID-19 : Boost Up E-Learning In India

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Abstract

With Covid-19 outbreak egging on educators and learners at all levels to adopt e-learning techniques, the figure is bound to rise dramatically. Although traditional learning enables easy understanding of the subject through due to direct interaction with the teacher, online learning gives the learners more flexibility in terms of courses and time.

Keywords : Reason, Tools, Advantages, Disadvantages, Conclusion.

INTRODUCTION:- The first case of the 2019–20 corona virus pandemic in India was reported on 30 January 2020, originating from China. On 24 March 2020, the prime minister ordered a nationwide lockdown for 21 days, affecting the entire 1.3 billion population of India. On 14 April 2020, the prime minister extended the ongoing nationwide lockdown till 3 May 2020.

Covid-19 has forced the schools and universities to close worldwide. The spread of viruses has accelerated the development of E-learning platforms. It has forced the universities to develop E-learning courses to keep the education process continuing. In many aspects, the education industry has gone remote. The only reason remote learning is so heavily promoted is due to the evolution of technology.

During this pandemic, educators are moving online and taking classes through the camera. Also, some are investing in the development of E-learning courses. For some, creating an E-Learning course may sound a very difficult job owing to the number of things involved.

With the COVID-19 pandemic forcing many people to work from home and reducing or entirely ending meetings for classroom-style, instructor-led training, there's an understandable move to put instructor-led training online.

REASONS TO OFFER E-LEARNING:

- Offer highly effective learning environments.
- Offer complementary interactive reinforcements that allow students to study 24/7 and work at their own pace.
- Offer flexible scheduling.
- Available in any location, with an internet connection; students can attend using their devices (e.g. computers, tablets, etc.).

- Use of instructor time (e.g. no time-consuming trips to companies).
- Direct teacher feedback.
- Real-time student monitoring and corresponding reports.
- Allow franchises to share schedules and classes online (to increase class attendance).
- Improve the image of respective center by offering technological solutions that solve real problems.

E-LEARNING TOOLS:

- **Microsoft Team** With schools being locked down due to COVID-19, educators across the country are moving to virtual classes on Microsoft Teams to ensure learning never stops. Teams not only enables teachers and students to connect over video-enabled remote classrooms but also provides a host of interactive and collaborative tools on a single platform.

- **Google for Education** It is tools for collaboration, communication, and creativity
  Google for Education gives teachers the freedom to spend more time personalizing the learning experience, and less time managing it. Students can learn 21st-century problem-solving and the skills they'll use in their future careers, with accessibility features that help every student do their best work.

- **Brainly** operates a group of social learning networks for students, parents and educators. Brainly advocates to sharing and exploring knowledge in a collaborative manner and engaging in peer-to-peer educational assistance. The network has elements of gamification in the form of motivational points and ranks, and encourages users to engage in the online community by asking questions and answering those of other students.

- **Byju's** Byju's is India's largest education company and the creator of India's largest K12 learning app which offers highly adaptive, engaging and effective learning programs for students in classes 4-12 (K-12) and competitive exams like JEE, NEET, CAT, IAS, GRE and GMAT.

- **Unacademy** provides education through video classes, PowerPoint presentations, and other materials to help government job aspirants prepare for competitive exams. Its faculty consists of students who have cleared various exams and mentors who have extensive teaching experience. They efficiently condense the course material and break down complex concepts into simple bullet points. The platform covers a wide range of subjects and concepts relevant to competitive exams in many languages to benefit students from all over the country. It not only aims to educate them better but also improve their speaking and writing proficiency. Unacademy has offered 20,000 live classes free for those preparing for the UPSC, banking, railways and other entrance tests.

- **Catalyst Group** This group is created with a purpose to provide an easy access of education to all the section of students.
  The catalyst Group currently providing Civil Engineering Coaching, Online Classes, IES, SSC JE, GATE Online Classes, They are also one of the Best engineering coaching, Best Gate coaching in India, IES coaching in India, SSC JE classes in India, gate classes in India, online civil engineering classes, civil engineering coaching, IES paper 1 classes, best civil engineering coaching, IES online classes, best gate and IES institute , IES Nontechnical Classes, best IES coaching, Best Gate Coaching, best SSC JE coaching, best gate classes, best

IES classes, best engineering coaching, best Maharashtra PSC coaching, best Maharashtra PSC online coaching, BIHAR PSC coaching, MPPSC coaching, best GATE coaching , best IES coaching, best GATE and IES online institute in UP.

- **TeachNext** TeachNext is an optimal digital classroom solution. It is equipped with award-winning content, innovative tools and unique assessments to make the classroom a fun place to learn in. TeachNext is the most-used digital classroom in the country.

- **Great learning Academy** Great learning Academy is an initiative taken by Great Learning, where we are offering 300+ hours of learning content across 30 courses in areas such as Data Science, Machine Learning, Artificial Intelligence, Cloud Computing, Business, Digital Marketing, Big Data and many more for free.

- **MTC E- learning management system** LMS comes bundled with over 1000 hours of e-learning digital course material on over 60 courses. The courses offer Training, Learning and Reference material in all the major Advanced Manufacturing Technologies: CNC, Robotics, Automation and Mechatronics. Each Technology is covered by functional modules such as Operation, Programming, and Maintenance and the content of each module is presented in logical chapters

- **EduLib** EduLib is designed to empower the engineering college students to access rich E-Learning material on the web to improve their domain knowledge. It aids meticulous execution of learning methods that help them in their academic pursuit. Digital Library comprises of 165+ engineering modules with over 2500 topics and 700+ e-Labs across branches - ECE, EEE, MECH, CIVIL, CSE & IT.

- **Oliveboard** Oliveboard which is one of the largest e-learning platforms for banking and government job aspirants is providing GharPeCoaching, a free course for all banking exams to all aspirants across the country to reduce the risk of corona virus infection.

ADVANTAGES OF E-LEARNING:

- **Accessibility** E-Learning eliminates all restrictions, allowing individuals from all over the world to complete the courses or training they're interested in.
  Those who are either physically or psychologically unable to be present in a classroom can continue their educational development through online courses.

- **Mobility** E-Learning gives students the chance to study at any place and at any time, accommodating their needs perfectly. Today's learners want a personalized, mobile approach to education, and that is exactly what this option provides.

- **Resource scalability** With E-Learning, on the other hand, the reach of educators is virtually infinite. With money and time saved, more resources can be preserved as well. Scalability enhances the effects of learning and teaching processes, helping both parties involved.

- **Effective results** The positive nature of eLearning practices also brings better results to organizations training their employees.
  - Improved scores on evaluations (tests, certifications etc.).
  - Retaining information for longer periods of time.
  - More students can obtain "pass" levels.

- **Self-paced learning** Online courses allow learners to enjoy a self-paced training schedule. They can study according to their own time, being easier to incorporate learning in their busy life, regardless of specifics.
- **Quick lesson delivery cycles** E-Learning facilitates a reduction in learning time by even up to 60%. ELearning reduces study time from the following considerations:
  - A single learning session wraps up the entire lesson.
  - Students don't have to keep up with the learning speed of the entire classroom group.
  - Learners don't have to travel to a certain institution – eliminating commuting.
  - Students can focus solely on learning material areas relevant to them.
- **Improved metrics** E-Learning, on the other hand, provides a more effective learning management system. An online course curriculum comes with improved metrics. It's easier to spot study results, which are later measured and improved through necessary changes.
- **Up skill** Professionals find it easier to up skill themselves through e-learning courses that can be taken at their own convenience while managing their jobs.
- **Cost considerations** E-Learning is the more cost-effective alternative. Learning through this mode is fast and easy, so naturally a decrease in expenses occurs.
- **Helps students stay relevant in quickly changing environments** When students are taking an online class, they can be certain the information received is updated to the current climate, whereas in traditional settings, textbooks may still contain outdated, irrelevant content.
- **Environmental impact** E-Learning is a paperless way of studying. According to certain statistics, digital learning also consumes up to 90% less power, so those who are interested in a more environmentally-conscious way of studying have certainly directed their attention to distance-based learning opportunities.

DISADVANTAGES OF E-LEARNING:
- Online student feedback is limited
- E-Learning can cause social Isolation
- E-Learning requires strong self-motivation and time management skills
- Lack of communicational skill development in online students
- Cheating prevention during online assessments is complicated
- Online instructors tend to focus on theory rather than practice
- E-Learning lacks face-to-face communication
- E-Learning is limited to certain disciplines
- Unmotivated learners or those with poor study habits may fall behind
- Lack of familiar structure and routine may take getting used to
- Students may feel isolated or miss social interaction thus the need to understanding different learning styles and individual learner needs.
- Instructor may not always be available on demand.
- Slow or unreliable Internet connections can be frustrating.
- Managing learning software can involve a learning curve.
- Some courses such as traditional hands-on courses can be difficult to simulate.

CONCLUSION: Though the world may be shaken, the only way out of this mayhem is to upgrade knowledge. Quarantining is the sole solution for ceasing the spread of this deadly virus. In this isolation period, launching an E-Learning course comes handy in serving the masses. All the age learners can benefit from this online mode of education and keep expanding their learning growth chart.

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