DIGITAL EDUCATION SIGNIFICANCE AND CHALLENGES

JYOTI

Assistant Professor in P.I.G.G.C.W. Jind 126102, India

Jsihmar10@gmail.com

ABSTRACT

Over a period of time many changes has been occurred in education sector. From Guru-Shishya system of conducting the class in classroom, presentation from teaching with the aid of LCD touch screen projector to online notes and now whatsapp, Google meet, zoom is buzzword among the students. Such technologies require a review of existing approaches to educational activities, as well as an analysis of their impact on society and individual social group. Digital Education has both advantages and disadvantages. Some challenges are also there in digital education.

Keywords- *Trends, Digitization, Education, Technology, Digital Education, Modernization*

Introduction- First, increasing speed and availability of internet access can reduce many of the geographic constraints that disadvantage poor students. Schools serving higher-resourced families are often able to recruit better teachers and administrators—perhaps the most important school resources—even without additional funding.

Unlike teachers, however, technologies have no preferences for the schools in which they work. The resources available on the internet, for example, are equally available to all schools with the same internet access and internet access costs the same for all schools in the same area, regardless of the student population served. Students can now access online videos that provide instruction on a wide variety of topics at various skill levels, and participate in real-time video conferences with teachers or tutors located a state (or even a continent) away [1].

Digital Education

Digital learning is learning facilitated by technology that offers students some factors of command over the place, time pace, and path. Digital learning is replacing traditional educational procedures more and more each day.

Digital Education [2]

Advantages of Digital Education

I.	Personalized Learning	II.	Makes Student Smarter
III.	Makes Students Self-Motivated	IV.	Expanded Learning Opportunities
V.	Develop Accountability in Students	VI.	Recorder Lectures
VII.	Flexible Choices	VIII.	24 Hours Resources

Interactive social skill games are excellent learning tools that teach children discipline because playing games requires children to follow rules and guidelines in order to participate. Even children who might grow frustrated with other learning methods may stick with games longer because playing itself is rewarding. This ends up helping them develop patience, another useful life skill.

Children also develop positive feelings of accomplishment from mastering new knowledge and skills using digitized learning tools giving them the confidence they need to want to learn even more new things. It is commendable that millions of courses by the best educators are available for free to anyone with an internet connection. The possibilities are endless [3].

Trends in Digital learning

Social Media: Social media as a learning tool has progressed in a big way. Today, many teachers and students use social media as an integral part of the whole e-learning experience. It is a vital platform these days to exchange information about important issues.

Interactive Learning Resources: With the advent of interactive devices such as flipped classrooms, mobile apps, etc. learning is no longer confined to a traditional classroom set up.

Massive Open Online Courses (MOOCS): MOOCs platforms are enabling self-learning in a crucial way. The popularity of online courses via MOOCs programs in India is a growing market. MOOCs are helping a lot of young population in the country to upgrade their qualifications and skills.

Advancement in Visual Learning Aids: Videos based instructional learning is very popular among school-goers since it combines learning with fun. Such a medium of the teaching-learning process is highly interactive in nature. This type of teaching methodology is not just restricted to audio-video but also includes educational apps, podcasts, eBooks, etc. Children are very excited to learn new concepts using these digital mediums [4].

Significance of Digital Education [5]

The growing popularity of digital education has been propelled by some significant trends:-·

i. Availability of high-speed internet and affordable Smartphone devices have increasingly made it possible for 'live' streaming.

ii. A sizeable young population in India, which is quick to adopt new technologies

iii. Push by many companies towards digital learning for their millennial workforce

iv. Increasing willingness by teachers including executive education coaches to teach online with similar levels of effectiveness [6].

India is thus favorably placed to reap the benefits of digitalization of education that can fundamentally change how we learn and what we learn.

Disadvantages of Digital Education

i. Online student feedback is limited

ii. E-Learning can cause social Isolation

iii. E-Learning requires strong self-motivation and time management skills

iv. Lack of communicational skill development in online students

v. Cheating prevention during online assessments is complicated

vi. Online instructors tend to focus on theory rather than practice

vii. E-Learning lacks face-to-face communication

viii. E-Learning is limited to certain disciplines

ix. Online learning is inaccessible to the computer illiterate population

x. Lack of accreditation & quality assurance in online education [7].

Challenges of Digital Education

Some of the major challenges for digital education in India are:-

i. Resource and internet connectivity related challenges

ii. Shortage of trained teachers

iii. Language and content related Challenge

iv. Poor maintenance and up gradation of digital equipment

v. Insufficient funds[8]

References

1. https://www.apa.org/pubs/books/4311503?tab=2

2. https://techstory.in/digital-education-children/

3. http://www.panworldeducation.com/2017/03/23/benefits-of-digital-learning-over-traditional-education-methods/

4. https://www.asmaindia.in/blog/future-perspective-of-digital-education-in-india/

5. https://www.google.com/url?sa=i&url=https%3A%2F%2Fcollegedunia.com%2Fnews%2Fg-21543-scope-of-online-education-in-india&psig=AOvVaw11SfTa5Ic0Lc172_abZh7r&ust=1623340042330000&source=images&cd=vfe&ved=2ahUKEwixge2F84rxAhU4xHMBHXVHAIQQr4kDegUIARC6AQ

6. http://bweducation.businessworld.in/article/Growing-Popularity-Of-Digital-Education-In-India/15-02-2021-377660/

7. https://e-student.org/disadvantages-of-e-learning/

8. http://publications.anveshanaindia.com/wp-content/uploads/2017/03/A-STUDY-ON-DIGITAL-EDUCATION-IN-INDIA-SCOPE-AND-CHALLENGES-OF-AN-INDIAN-SOCIETY-2.pdf