ONLINE AND DIGITAL EDUCATION: USES AND CHALLENGES

*Ms. Deepmala B. Waghmare

*Assistant Professor, V.P's College of Education, Baramati, Maharashtra.

Abstract:

Education is important in the development of the country. It is the fundamental right of every citizen of the country to get quality education. Education has become one of the basic necessities of life. From the Gurukula education of earlier times to the present modern day education, it can be seen that online education has become important in the time of Corona epidemic. Everyone from young to old is getting education online. Today's young generation is learning on the basis of new technology using applications like Zoom, Google meet etc. Teachers and students are using digital tools in teaching and learning. Online and digital education offers the ability to share material in different format such as video, slideshows, word documents and PDF. The new National Education Policy (2020) will allow online and digital education to bring students who have been deprived of education for some reason like dropping out, marriage.

Keywords*: Digital Education, Education System, Technology.*

Introduction:

Education is the base to produce and hold the information and its assets. It not only leads us towards improved life style but also advance the joy in life. India is presently the third biggest online advertise for education within the world. This empowers individuals to require superior advantage of the assets accessible online. Owing to the consistent financial development and globalization, education in India is not fair an instructor talking to a bunch of students in a classroom. Online education makes a difference individuals get access to a world-class learning encounter when conventional higher instruction is essentially not conceivable due to monetary or individual limitations. Some may moreover suffer from physical or mental inabilities that make learning in a classroom inconceivable. For these students, online courses, specializations and degree programs can offer an unimaginable opportunity to proceed their education and build careers for themselves.

Amid the widespread of COVID-19 teacher instructed relations has moreover been changed, there are being instructed by means of websites and with the assistance of different applications. Truly the digitalization of education has made it exceptionally simple to search the different data within a moment with the assistance of a click. It make the end user i.e. student to fulfill their pushed of knowledge. I have tried to elaborate the new national education policy concepts and some points related to online and digital education which has been gathered from various website, research papers, newspapers and magazine article.

Objectives:

1. To know meaning of Digital Education.

2. To know component needed for digital education.

3. To know the different emerging trends of digital Education.

4. To know the variable this is able make the obstacle within the development of digital education.

Digital Education:

Digital learning is an umbrella term, the broadest term on the list. Digital education is the imaginative utilize of advanced instruments and advances amid educating and learning, and is frequently alluded to as Technology Enhanced Learning (TEL) or e-Learning it implies any sort of learning that incorporate utilizing advanced technology that incorporate understudies taking courses online , of course. But it moreover incorporate understudies doing web inquire about or observing online recordings in a classroom and instructor utilizing advanced apparatuses like savvy board and tablet.

Imperative Fringe Components of Digital Education:

1) **Web Network:** it is basic requirement; hence continuous web network is the essential. Fast and clear internet connectivity is important for sharing emails and to browse the various information such as research reports, study material, assignments etc.

2) **Computer or Laptop:** It is required in nearly all the classes to plan different reports and assignments and presentation by understudies. With the assistance of these rebellious tremendous educational data may not as it were be put away but moreover be recovered as and when required.

3) **Projector:** It is principal instrument for computerized lesson since it makes a difference to show the introduction of teachers and understudies. It acts as a reflector of data which are accessible within the laptop/computer to the expansive screen of whiteboard.

4) **Whiteboard:** It is additionally known as Smart board. It is huge touch-sensitive gadget utilized to detect user input with the help of sensor. We utilize computer video output on this board in spite of the fact that the projector.

Digital Education and Traditional Education:

Gone are those days when classroom preparing was confined to reading material learning, instructors utilizing the chalkboard to clarify things and students composing down notes in copies? The traditional teacher-centered strategies of teaching and task-based approaches to learning centered more on making notes and memorization. It's no more chalk and discussion in most schools. Classroom teaching has gotten to be progressively intellectuals these days with the utilize of progressed strategies such as PPTs, video presentations, e-learning strategies, practical demos, online training and other advanced techniques or stages.

Traditional Education is face to face teaching method. It is cost effective. Students get same information at the same time. This method is not interactive sometime success depends on how teacher teach effectiveness. It is time taking process of teaching learning.

Digital Learning is interactive, quick completion; learn at his pace, user friendly. Same time digital education is expensive, need advanced infrastructure, no fixed schedule and security.

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Emerging Trends of Digital Education:

➢ **Google Classroom:** It may be a free web service accessible for schools to assist in drafting, mass distribution of assignments and notes and evaluating them in a paperless shape. In this class room educator may post study materials which may be surveyed by the student at domestic within the free time. It moreover make learning exceptionally simple and streamlined since record may be effectively shared between instructors and students as well as understudy may post their questions relating to the address and get the answer not as it were from the educator but moreover from the understudies.

➢ **Flipped/Digital Classrooms:** A total transformation within the way we learn nowadays has been brought by Technology. Instructors educating within the classroom can capture the students and the total quality within the class by computerized screens, hence encouraging each child to urge the same base substance and input from the instructors. This include of digital era has expanded the Student engagement because it combines different directions styles. Each student gets in contact to world-class instruction, which isn't simple to give by the conventional white chalk and dark board educating. This modern learning is more curiously, personalized and agreeable. With this mechanical consideration within the school teaching the students feel considering as agreeable, simple, competent and over all curiously. The point of a teacher however ought to be to make such an atmosphere which makes each student need to study.

➢ **MOOCS:** the population of India is tremendous, massive open online course (MOOC) are said to doors for a part of Indians in terms of bringing an educational transformation

➢ **E Pathshala:** This is a portal in which you can download audio, video and textbooks on android mobile and use them offline.

➢ **BYJU's:** This app gives personal guidance to clear the concept of specially Mathematics and science students.

Uses and Benefits of Digital Education:

▶ **Learn On his Own**: These days, online study materials are effectively accessible. Indeed in the event that the whole education framework isn't digitalized, however students can use the control of advanced substance depending upon their capabilities. So students, can get to select online consider modules of different subjects, which offer assistance them to improve their information indeed without a teacher.

▶ **Interactive:** Through digital education classroom teaching become more interactive. Students not only listen but also view the screen. Hence sound and visual go hand in hand and student grasp knowledge easily.

▶ **User friendly:** Digital education is very easy to accessible. Indeed in case you miss certain classes, you'll get to the lesson notes and download files from the school site.

▶ **Vocabulary:** Student learns through online by using eBooks .While reading this student knows the different words and his vocabulary is increased.

▶ **Learn at his pace:** Some students are shy in nature .They are not able to put his doubt before the class directly. Digital education helps this student to learn the record lecture.

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Advantages and Disadvantages of Digital Education for Children: There is no location and time restriction. Online education allows students to satisfy their hunger for knowledge by taking admission in foreign courses. In short there is no geographical limitation. Students become very smart they are being able to utilize online assets and apply the data with their issues.

Every coin has two sides some disadvantages are also found in digital education. Continued use of computers can lead to computer addiction in children. On the other hand if they spend more time on it some health issue like obesity, diabetes, fatness, heart disease, neck pain, wrong posture, physical as well as mental stress etc. May be writing skill, calculating skill decreased. The habit of copying in exams can get in the way

The Challenges of Digital Education and Measure to Overcome:

➢ **Resistance to change:** Any change is a need of the hour but people generally oppose change. They do not believe in technology based education. If this change is accepted positively and implemented properly, a new revolution will take place.

➢ **Technological Skills of Learners:** The Digital Learning execution will be subordinate upon the computer education of the representatives utilizing it. The capacity of the learner's to get to and connected with the course material manages the utility he will get out of the program.

➢ **Evaluating effectiveness:** However another critical challenge of Digital Learning is the assignment of deciding whether the course is having the intended effect. Within the nonappearance of pop tests and report cards, how can a boss tell whether the eLearning implementation is accomplishing its objectives?

Other than this connectivity of continuous internet, electricity, different devices which is required for it is also the big challenges of digital education. To overcome from these challenges first we should accept the new changes by heart. Multimedia learning makes material more engaging and will be at their fingertips. Make leaner familiar with Technology and help when required.

Conclusion:

Digital education is an innovative approach of teaching and learning.To coordinate the educational framework and environment with all over the world, digitalization of education is without a doubt the require of the hour but we need to be sure for actualizing the advanced education in this wide spread too that our youth must not be intemperate dependent on this electronic medium and they should be avoided from behavioral and physical awkward nature.

For digital Education we have to prepare techno friendly teachers, student and new type of classrooms. There are lots of challenges for implementing NEP2020 but if we accept it positively brain drain becomes less.

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