

DIGITAL EDUCATION FOR CLASSROOM TEACHING

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ABSTRACT

Digital education is bringing a revolution in a massive and unstoppable way. We live in a technology saturated world, the world in which all of us from all ages encounter technology in some way or the other. Technology has acquired almost every part of our daily lives. It affects the way we live, work and most importantly the way we learn. It will forever change the way children learn, interact and also bring a new culture of leadership. The classroom of today and the next generation should no longer be a location where students are directed to walk into and to walk out but it should be an experience which is rich, interactive, engaging and most importantly fun that students would love to be a part of it. More and more multimedia is making its way to classrooms. If a student is struggling with a concept if a platform knows that it pushes additional videos and practice exercises to the student's device basically creating a personalized learning path the student is comfortable with. This paper seeks to address the promising approaches to be adapted in the efforts to harness advantages of digital technology in classroom education.

Keywords: Digital Education, e-Learning, Smart Classes, Digital Classroom.

Introduction

Digital education is a world-shattering method of imparting knowledge, especially since it levels the playing field for all students. India is home to the largest population of children in the world, with an estimated 430 million children in the country. The state of education

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in the nation, especially in rural areas has been deplorable, with challenges such as archaic teaching methods, shortage of teachers, highly disproportionate student-teacher ratio, and inadequate teaching materials plaguing the sector. Digitization of education helps in justifying all of these concerns by providing multimedia teaching tools to teachers and engaging students through learning methods that utilise digital tools, such as smart-boards, LCD screens, videos, etc. It also makes it feasible for one teacher to deliver information remotely across several locations, through interactive digital media addressing the shortage of teachers in the country.

Digital Education

Digital education classroom teachings has become more fun and interactive. Children tend to be more attentive as they are not only listening but also viewing it on the screen which makes their learning more effective. Here, sound and visuals go hand-in-hand which is easy for a child to grasp.

Interactive online presentations or practical sessions in educational content through interactive screen time help the students to pay more attention to details which enable them to complete their activities on their own by reading eBooks or accessing study materials online, they learn new words and expand their vocabulary.

Many a times, a student hesitates to ask a query to his teacher in classroom teaching. But with digital learning, even if he does not understand anything at one go, he can attend the recorded sessions to clear his doubts. Technology enables a student to study at his own pace. The superlative thing about digital education is that it is user-friendly.

Also, nowadays, online study materials are easily available. Even if the entire education system is not digitalised, yet students can leverage the power of digital content depending upon their capabilities. So, students can access online study modules of various subjects which help them to improve their knowledge even without a teacher.

Objectives

The objective of the study:

- To find out how digital education is transforming teaching methods.
- To explore online education where students can even further unite with distant counsellors and faculty to seek guidance or resolve queries.

Methodology

The study is based on secondary data it is expressive in nature. The study has considered different practices adopted by several institutes from different part of the nation.

Primarily Digital Education has 3 components:

- Content
- Technology Platforms
- Delivery Infrastructure

Content

It includes facts, ideas, principles, evidence, and descriptions of processes or procedures. It also depends on the quantity and depth required to avoid knowledge explosion in the process of learning.

Technology Platform

A digital learning platform is a piece of software designed to assist the educational process. There are many options available depending on the specific need of the

institutions. It includes Learning Management Systems (LMS), Learning Content Management Systems (LCMS), as well as virtual classroom tools and Virtual Learning Environments (VLE).

Delivery Infrastructure:

For e-learning system the classroom must be well equipped with smart boards or projectors, to display tutorials or short learning sessions. Students of certain age are allowed to carry their own gadgets to classroom. Many institutions are transforming their campuses into Wi-Fi Campuses that not only enhances the e-learning habits in students but also gives them an option to access Massive open online courses (MOOCs).

Digital Education Transforming Teaching Methods

1. Smart Class

Using whiteboard, chalk, and markers are now a thing of the past, and teachers have shifted to making use of projectors, VCD, DVD players and eLearning system to demonstrate tutorial videos and short sessions online to help understand that learning can be fun too. Many schools have now come up with a TV or a projector attached to their whiteboard where it is easy to shift from a normal classroom session to an interactive digital session. This can create students pay more attention as we are now in the digital era where Google is our go-to place.

2. Being Digitally Updated

In a tech-savvy world, teaching can become easily outdated, as there is always something new happening. Equipping students to be updated with news and other subject-related topics is the best way to teach students to grow as a person. Students spend most of the time on their laptops, phones, and iPads. Knowing the

sources students can refer to, online and knowing which websites offer the best information can be a great way to guide them .

3. Converting Books to PDFs

Books are now substituted by Kindle and other Tabs. Sending those notes, references, and other information in PDF forms that can be simply accessed on laptops, phones, and tabs is a good way to persuade students to choose to study better.

4. Encouraging Online Tests

Training students on subjects by conducting online tests from time to time can create a good learning environment for them. Students can be given online quizzes and assessments that they can be taken from home, substituting general homework that they find excuses for.

5. Supporting Online Research

Alike how a teacher is well equipped for a classroom session, encouraging students to be prepared too, can constrain students to be excited about taking up classes. Online research is trending and people find exciting careers in Market Research and more. Asking students to find something online that is difficult to find or encouraging online research by giving them a list of things to find before the next class is a good way to keep students looking forward to more classes. It really does feel like a great achievement knowing you've found something that no other student could find. Appreciating their online findings can inspire students to make the best use of the digital resources they have.

6. Creating Communities

The interaction between a teacher and a student does not have to end at school, in a classroom. An online community is where a group or a team stay connected online, submitting projects, discussing topics or expressing ideas. Teachers can set a platform for students to communicate their ideas, suggestions and subject-related

queries, for them to resolve any time. Being open to online activities like these keep students focused even outside of school, without realizing the fact that the learning procedure continues even after classes are done.

Impacts of Digital Education

Digital learning has some positive and negative impacts. Let's go through the positive impacts first.

1. **Choosing own way:** Digital learning helps a student to learn in a way that best suits him. For instance, if student is unable to understand through theory, they can use interactive programs to get a better understanding of the concept.
2. **Ability to learn anytime:** Thanks to the internet and the modern technology, students can now access study material on their laptops at any time and from anywhere. As a result, the students are not confined to learn only during the school hours.
3. **Improving concepts:** Blended learning tools are very helpful in making the concept comprehensive. Students are able to comprehend problems in a better way.
4. **Enhancing creativity:** Not all students are able to perform well by solely relying on course books for them, they need to utilize their creative side. For this substance, digital learning is the best alternative.
5. **Increased engagement:** It is true that interactive programs and strategies are engaging for students. They are able to develop an interest in them, helping them to learn voluntarily and more effectively.

Some of the drawbacks of Digital Learning are

1. **A distraction:** Digital learning can become a bit of a distraction at times. Sometimes, the student begins to spend more time on it than he should.

2. **An expensive idea:** Not everyone can afford to buy electronic gadgets for studying. Laptops, smart phones, etc. are quite expensive and therefore cannot be afforded by everyone.
3. **Missing out on the real stuff:** Lack of face-to-face interactions with the teachers and classmates is not a healthy move. It is vital to consider that not all teaching can be received through digital learning. Class lectures and discussions are important learning processes. The bond of a teacher and student is very important for a positive learning experience.

Importance of Digital Education

Digital literacy is one component which makes a child accountable for how they make use of technology to interact with the world around them, and the new knowledge gaining areas that they can be well-versed with. There are numerous online websites that have competitions which are knowledge attainment platforms for kids where they can compete as well as learn intellectually.

There are numerous benefits of digital learning in transforming a child's life like:

- Decision Making
- Sharpen Critical Thinking Skills
- IT Skills
- Audio and Visual Learning
- Improved Academic Performance

Students of this generation are able to use the internet to research and find text sources, videos, pod casts and presentations related to anything they would like to learn about.

Suggestion

We need technology in each classroom and in every student and teacher's hand, as it is the pen and paper of our instance and it is the lens through which we experience much of the world. More than 4 out of 5 students agree digital learning technology can improve their

education, save time, and boost grades. Student's learning should be enhanced when the teacher integrates digital system into the learning environment. It also equips learners with the in-depth understanding of the digital skills needed for the workforce.

Conclusion

Education technology can be life changer for students. The classrooms are being complimented by touch screen smart boards for teachers and students. Knowing how to search things online might be a critical skill in future. Technology can never replace a great teacher, but in the hands of a great teacher it is transformational. Additionally, it is of supreme importance that during digital learning, the student does not get diverted to other sites like game sites or social media sites, otherwise the student will be unable to focus on his studies. It can be concluded that technology can act as an accelerated force towards an effective and efficient learning. It can connect students to their peers from rest of the world. It can bridge the quality gap.

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