

USE OF TECHNOLOGY IN CLASSROOMS

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Abstract

Transformation of classrooms has taken place with the advent of technology in all aspects. Nowadays classes with traditional chalk and blackboard have been replaced with digital white boards, Computers, Video Conferencing, Google Classrooms and Projectors. With new technology dynamic teaching and learning has been taking place in all educational institutions. Usage of technology improves both student and teacher relationships .About 90% of teachers are of the opinion that internet is playing a major impact on their ability to access online resources, e-journals, e-papers.

A new outlook can be foreseen in the coming days in teaching and learning. Students are helping each other when they find difficulty in their Subjects. Digital Era has replaced the traditional methods of teaching in classrooms .Online quizzes with the help of Apps like kahoot ,Quizlet,Mentimeter,flash cards are being used. Google forms , Google sheets for collection of data for research purpose has replaced paper usage thereby saving the resources. Many online teaching apps like zoom, webex, Google meet , teach mint were being used effectively during covid - 19 .

Introduction

It was really a question mark for us to interact with students during covid situation. But teaching and learning has to be continued. In such situations we all have risen and updated ourselves with technology which was just kept in abeyance. None of us used technology which we had a notion that it replaces a teacher. But the positive side of using this technology played a major role in reaching the students .Technology usage has its own limitations such as network issues, lack of smart phones etc.

Despite of all the odds we all could deliver the curriculum and interact with the students in the pandemic situation. Even students have themselves tuned to online classes , they gradually increased in numbers. Curriculum was completed in due course of time. Even post covid situation also we are continuing the usage of technology .

During pandemic situation many students enjoyed e-picnic, e-field trips which a new concept is ever heard before. We can get students feedback in very limited period of time and analysis it within no time. We can share e-content, video lectures to students via moodle learning management system. Online test using testmoz and many such apps with the test time limit we experimented. We can have live chat during video conferencing ,have face to face communication with Students and teachers. The productivity of teachers and students have improved a lot. All the lessons can be recorded ,played, stored and retrieved as and when we require .We can bring an eminent change in our society by making it more efficient, innovative and productive. With the usage of technology we can reach any far of places through virtual mode.

Somepeople think technology is distraction but in reality it enhances the classroom more lively. Students are now using vigorously all search engines and e-books , e- journals and it is fast spreading among students community. We teachers are getting connected with our students in a totally new way .A new dimensions in teaching field can be foreseen in the coming days. We can see more and more creative works among students. Other than their regular degrees they are pursuing online courses offered by SWAYAM ,NPTEL. In addition to the regular degrees use of Technology has improved their life skills.

Students can face the challenges easily in their work places in near future .Teachers are now using laptops ,projectors and Smartphones .So we can see technology is meant to enhance not replace traditional methodology of teaching. First of all teachers should themselves embrace the new technology in teaching then only they can do justice to students

Technology is not the solution, but just like books and classrooms and blackboards, technological tools can help teachers to improve their skills, to use their skills most effectively, and to be more accountable. These investments should never be made on the basis of evidence-free optimism but rather evidence-based realism in terms of systems' capacity to maintain the technology,

teacher willingness to engage the technology, and whether the technology will perform better than the cheaper, analog alternative.

The world today is empowered by technology, and there is no surprise that technology has found a permanent place in classrooms. Teachers use different and suitable technological tools for easy and efficient classroom management.

With the use of technology, the teacher's role is more instructional as data is already presented in a structured manner. This helps the teachers conduct the lesson in a more organised and focused way.

Students spend less time taking down Teacher's notes and as a result, they are more attentive and engaged in the classroom. Learners can follow the lessons on their own devices. Notes made by the teachers are sent by email to the students

As technology takes care of the learning material, this gives the teacher more scope to interact actively with the learners and pay attention to individual needs. By creating fun and interactive sessions teachers hope to engage learners better.

Technology is not only useful in creating lesson plans, curriculum designs but also in grading and assessment by using spreadsheets or Google classroom assignments. Most of the students found it very interesting to submit their assignments through classrooms apps. They were much delighted seeing their grades and teachers comments in it. It allows teachers to connect with parents regularly and keep them updated of their Ward's activities and usage of devices for their development.

In this pandemic era of Covid-19, it would have never been possible for teachers to make students efficient learners at home if technology was not introduced. In addition, technology allows students to learn more effectively via online educational tools.

The vital roles of technology is that teachers can serve all study material so that students can better understand the topics and solve the problem in an easy method. Technology approaches modern classroom / Smart classes, which primarily focus on improvising the performance of every student.

The important roles of technology in education lead to improve quality of studying; better communication, facilitates skills and knowledge to students. Apart from that, with E-learning technology tools, students can access study material from any geographical area, wherever they go.

In spite of having various higher technology driven Education tools, primary schools are still using chalk and board, pen -paper methods for teaching and learning.

Since technology is introduced in the classroom, it encourages the overall growth of students. Technology is a powerful process to promote a healthy educational system worldwide. The most Important roles of technology in education makes learning more accessible, exciting and enjoyable. The development of technological advancements in education leads to imparting knowledge and develop life skills in students.

Survey has proved that digital learning technology helps most students improve their grades. Furthermore, through technology-based E-learning, students can learn more and better from different resources without depending on an institution or an instructor.

We all know that the existence of technology has improved communication and collaboration to a better level. Likewise, technology also boosted communication and collaboration between teachers - students and teachers -teachers, students -students

E learning

Teachers can interact with students to clear their doubts and make e-learning more effective. Technology enables one-to-one interaction in the classroom online.

E-learning technologies enable teachers to improve their teaching skills. From technology, teachers can instruct well through video lessons, PowerPoint, attractive graphs and animations etc. Moreover, teachers can engage the students by delivering online tests and different courses.

The important roles of technology in education to students as they can learn at any time and from anywhere. With the technology-based E-learning process, one can study in their comfort zone. Students can play, pause and re-watch difficult topics using online educational applications until the concept is clear.

Now, one can create presentations using Google Classroom, Google Docs, PPT and Slides, etc. Through online Project-Based Learning, students use their skills and knowledge up to the next level to complete an assignment.

The importance Of Technology is not just limited to efficient learning, but students can also have their personalized learning opportunities. Availability of more resources/ material 24*7 to students allows them to personalize learning better. We all know that not all students have the same grasping power ; thus, personalized learning is considered. Personalize learning is also known as self-paced learning, which can help individuals optimize the quantity of material according to their capability.

Technology has evaluated the learning process through video graphics, which helps the human mind understand the concept faster and remember it for a long time. This can be only possible because of the visual information system. Using VR technology in education, students can retain knowledge by 25% to 60%. Using VR educational technology like mobile learning, microlearning, visual graphics etc. students can experience fun and learning at the same time and keep engaged with their studies.

With the availability of more study material via E-learning technology, the student can spend less money on other materials. Even nowadays, many institutions are more focusing on buying online study material, which is cheaper and convenient for storage. Teachers can save time and money by teaching students via advanced educational, technological systems like augmented reality and virtual reality programs free of cost online and helps one to learn and understand faster.

Besides various Importance Of Technology in Education, India still lacks somewhere to explore the technological educational system. Somehow, we are facing Challenges in establishing modern Educational Technology in the classrooms

More screen study time may also lead to some severe health issues. For example, continues use of computers, tablets, and phones for studies may cause back pain, neck pain, blurred vision and more.

Conclusion

In Online classes, teachers cannot monitor each and every student; this makes them easily copy the content from other students.. The latest Technology encourages the cheating process among students by sharing test sheets, copy-pasting each other answers, Google Search during the online class test.

In this era of internet we all across the world are using technology in our daily lives Technology is the only tool that helps to improve the education system in different ways. From teachers to students, technology leaves a great impact on online and offline education. Various technological tools , free open online access to resources, e- learning, e- content, makes a better understanding of the topics and creates a new gateway for their bright careers in student's lives.

References

- 1) <https://blogs.worldbank.org/education/how-use-technology-help-teachers-be-better-and-make-life-better-teachers>
- 2) <http://www.progressiveteacher.in/the-effect-of-technology-on-classroom-management/>
- 3) <https://childhope.org.ph/importance-of-technology-in-philippine-education/>
- 4) <https://adamfard.com/blog/benefits-of-technology-in-education>
- 5) <https://www.waldenu.edu/programs/education/resource/top-five-benefits-of-technology-in-the-classroom>
- 6) <https://knowingtechnologies.com/21st-century-education-technology/>