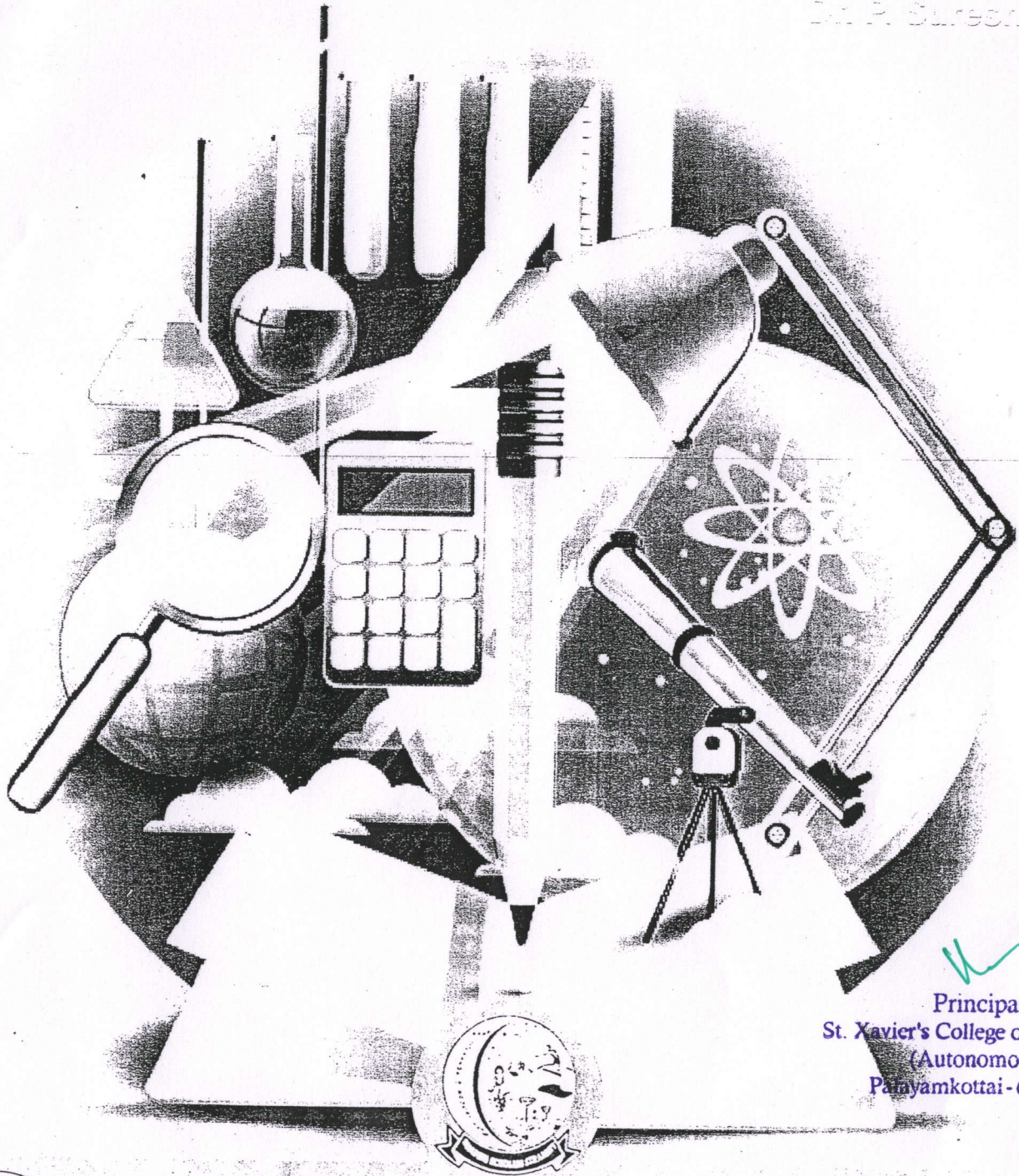


Impact of Smart Technology in Teacher Education

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Technology in Classroom Learning

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ABSTRACT

Technology is an essential part of our lives today. People achieve a lot with the help of technology. There are many ways a teacher can integrate technology into the classroom. This is especially important today as more and more of our society is turning towards technological advances that make their lives easier. As technology becomes more advanced, so should our students become more aware of the technology that is being introduced. Learning as well as teaching has been improved and has become easier because of computer and smart board. These help teachers write on the board more efficiently and give a big room to learn better Technology.

INTRODUCTION

The term "technology" refers to the advancements in the methods and tools we use to solve problems or achieve a goal. In the classroom, technology can encompass all kinds of tools from low-tech pencil, paper, and chalkboard, to the use of presentation software, or high-tech tablets, online collaboration and conferencing tools, and more.

TECHNOLOGICAL HELP

- *Online collaboration tools*, such as those in *Google Apps*, allows students and instructors to share documents online, edit them in real time and project them on a screen. This gives students a collaborative platform in which to brainstorm ideas and document their work using text and images.
- *Presentation software* such as *Power Point* enable instructors to embed high-resolution photographs, diagrams, videos and sound files to augment text and verbal lecture content.
- *Tablets* can be linked to computers, projectors and the cloud so that students and instructors can communicate through text, drawings and diagrams.
- *Course management tools* such as *Canvas* allow instructors to organize all the resources: syllabi, assignments, readings and online quizzes students need for a class provide valuable grading tools, and create spaces for discussion, document sharing, and video and audio commentary.
- *Clickers and smart phones* are a quick and easy way to survey students during class. This is great for instant polling, which can quickly assess students' understanding and help instructors adjust pace and content.
- *Lecture-capture tools*, such as *Panopto*, allow instructors to record lectures directly from their

computer, without elaborate or additional classroom equipment. Students can record your lectures as you give them and then upload them to re-watch. Posting recorded lectures *does not* diminish attendance and students really appreciate the opportunity to review lectures at their own pace.

TEACHING AND LEARNING WITH TECHNOLOGY

- a) Educational technology has provided a scientific base to the educational theory and practice. It has transformed a passive classroom to an active and interactive classroom, with audio-visuals, charts and models, smart classrooms and e-learning room which has drastically motivated and increased the attention level of the students.
- b) The introduction of educational technology has modernized the teaching-learning climate of the educational institutions. The learners must be exposed to professionally designed programmes on video or computers.
- c) Educational technology has helped and supplemented the teachers in their instructional programmes through the structured lessons for remedial, enrichment or drill purposes. The learners get training for self instruction and teachers are relieved of the burden of routine repetition for exercise and revision purposes.
- d) Through a systematic organization of content and instructional materials, educational technology has provided well-integrated structured materials for teachers thus saving a lot of their time which in turn may be utilized for creative work and quality improvement.
- e) The training and use of educational technology contributes towards the professional growth of teachers. It equips them in the use of scientific

methods for solving educational and administrative problems. It adds to the teaching competence of teachers and inculcates a scientific outlook and scientific temper in teachers and students.

- f) Educational technology has improved the teaching-learning process and made it more effective and process oriented. Television, Radio, V.C.R, Computers and LCD projectors etc. have enriched and facilitated effective transmission of knowledge.
- g) Educational technology has not only maintained the standards of education but also improved the ways of teaching by giving it Teaching Aids and Programmed Instructional Material.
- h) Educational technology has opened up new fields of educational researches in the field of examination process, evaluation and classroom-teaching.
- i) Educational technology has provided practices and strategies that help teachers to teach according to individual differences of learners.

ROLE OF TECHNOLOGY IN TEACHING

Embrace Connected Learning— The concept of “Connected Learning” is at the center of a new theory that champions say “is a model of learning that holds out the possibility of re-imagining the experience of education in the Information Age” that draws on “the power of today’s technology to fuse young people’s interests, friendships and academic achievement.”

Share Content Online— Whether it’s posting videos to a private channel for class members and parents to see, using Google Docs to share materials so students can collaborate on a shared project, or posting homework assignments to a class website for everyone to access, using technology as a tool demands a base level of proficiency from students that they’ll need to continue to build on.

Have Fun with Twitter— You may be surprised at just how much support and interest your students can garner from the community at large, or who’s happy to hear from them - all of which reveal how the power to make valuable new contacts and influence the world is often waiting just one click away.

Use Video Chats— Use videoconferencing solutions such as Skype to connect with faraway experts or other classrooms for an online meeting via webcam, letting children share their experiences, make new friends around the world, and engage in distance learning.

Create a Class Blog or Wiki— Encourage kids to respond

to in-class lessons or current events and topics, and devise a system for posting thoughts, news or impressions of them to a class blog or Wiki. Kids will love improving their creative writing skills and seeing their work appear online, and parents will love being able to feel more connected to the classroom

Put Together a Podcast— Have your class take turns reading passages from a book, or schedule and record a discussion point based on your curriculum or a specific topic. Not only will you show kids how easy it is to broadcast thoughts to the world, but also provide handy references.

Use Pinterest— Create a private board on Pinterest to share snapshots of classroom activities, projects, and field trips, or encourage parents to connect and find ways to help show their support for the classroom. Pinterest is a great, visual medium with lots of creative ideas that can encourage kids to share insights into their world

Harness the Power of Excel— If working with kids on a mathematical or budgeting exercise, have them work with a spreadsheet program like Microsoft Excel to promote understanding of both simple and complex calculations, as well as how such tools can be used to enhance productivity. You may be surprised at how well basic financial planning concepts take when you focus on real-world scenarios

CONCLUSION

As we sail through the 21st century, *technology in the classroom* is becoming more and more predominant. Tablets are replacing textbooks, and one can research just about anything that he wants to on our smart phones. Social media has become commonplace, and the way people use technology has completely transformed the way people live. When they are not in school, just about everything that they do is connected in some way to technology. By integrating technology into the classroom, teachers can change their way of teaching and may provide students with the tools that will take them into the 21st century.

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