M.Ed. –SEMESTER-II

Paper CC8: EDUCATIONAL TECHNOLOGY AND ICT

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Unit-III, Chapter-2

Dear Students,

We will start our chapter-2 of Unit –III**, Technology supported instruction.**

Impact of Technology on Education

introduction

- The era of 21st century is often regarded as an era of technology. Technology, today, plays a very important role in our life. It is seen as a basis of growth of an economy.

- An economy which is poor in technology can never grow in today's scenario. This is because technology makes our work much easier and less time consuming.

- The impact of technology can be felt in every possible field one such field is Education.

What is technology ?

- Technology is a term that refers to a body of knowledge

- that is employed to generate tools, create skills, and choose materials for human use.

- Technology includes the use of materials, tools, techniques, and sources of power to make life easier or more pleasant and work more productive.
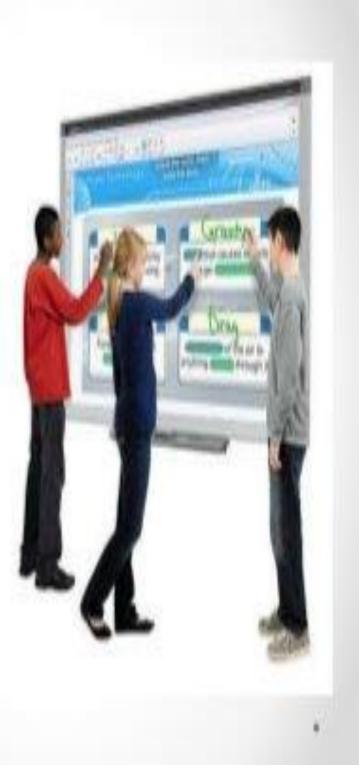
What is Education?

- Education in its general sense is a form of learning

- in which the knowledge, skills, and habits of a group of people are transferred from one generation to the next through teaching, training, or research.

Smart boards

Smart board is an interactive white board that allows the teacher to project an image from a laptop to the front of the room and the teacher can then digitally draw on that image.

Projectors

- Projectors hook up to the teacher's laptop and projects the screen from the laptop to the white board in the front of the room.

- by doing this it allows students to see a larger version of what is on the laptop screen.

Television

- Televisions can be used to show instructional DVDs or to be able to watch important current events, such as 9-11 or presidential elections.

NOTHING MADE YOU HAPPIER THAN SEEING THIS WHEN WALKING INTO A CLASSROOM AS A KID

Impact

- Positive

Enhanced Teaching and Learning

- Technological developments like digital cameras, projectors, mind training software, computers, PowerPoint presentations, 3D visualization tools; all these have become great sources for teachers to help students grasp a concept easily.

- It has to be understood that visual explanation of concepts makes learning fun and enjoyable for students. They're able to participate more in the classroom and even teachers get a chance to make their classes more interactive and interesting.

• Globalization

- When schools in different parts of the state , students can "meet" their counterparts through video conferencing without leaving the classroom.

- Some sites, such as www.glovico.com are used to help students learn foreign languages online by pairing a group of students with a teacher from another country.

• No Geographical Limitations

- With the introduction of online degree programs there is hardly any need of being present physically in the classroom. Even several foreign universities have started online degree courses that student can join.

- Distance learning and online education have become very important part of the education system nowadays.

Impact

-

NEGATIVE

Declining Writing Skills

- Due to the excessive usage of online chatting and shortcuts, the writing skills of today's young generation have declined quite tremendously.

- These days, children are relying more and more on digital communication that they have totally forgot about improving their writing skills.

- They don't know the spelling of different words, how to use grammar properly or how to do cursive writing

Increasing Incidents of Cheating

- Technological developments like graphing calculators, high tech watches, mini cameras and similar equipment have become great sources to cheat in exams.

- It is easier for students to write formulas and notes on graphing calculators, with least chances of being caught.

Lack of Focus

- SMS or text messaging has become a favourite pastime of many students. Students are seen playing with their cell phone, iPhones day and night or driving and very often even between lectures.

- Being ever-connected to the online world has resulted in lack of focus and concentration in academics and to some extent, even in sports and extra curricular activities.

Advantages

- It makes students more excited to learn

- help students with busy schedules, freedom to work at home on their own time

- train students to learn new technology skills they can use later in the work place

- Decrease paper and photocopying costs, promoting concept of "green revolution"

Disadvantages

- Many experts and experienced people say that, due to such technology in education, students imagination is affected, their thinking ability is reduced.

- Also its sometime time-consuming from teacher's point of view.

- It is costly to install such technology.

- There can be health issues too when used over limit.

- some students can't afford modem computer technologies

Conclusion

- In the conclusion

- Technology has a very positive impact on education and at the same time may also pose negative effects.

- Teachers, and students should take advantage of this in the good light and eliminate the drawbacks which are pulling back many of students as well as schools from achieving excellence

- it is thus time for every country to introduce a more technologically equipped education sector in the future.