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L5

SEMESTER II

Paper CC5: Educational Studies and System

Unit II Education as Interdisciplinary Knowledge

Dear students

Today's our point of discussion is:

Contribution of science and technology to education

- The impact that technology has in schools today is quite significant as technology in education has the power to transform how people learn.
- Technology in the classroom became more predominant by improved learning, increased engagement of students and virtual programs.
- Technology now can be seen as an investment for productive learning as teachers want more technology in their classrooms. So is the case in India as well with its own challenges.
- With both opportunities and challenges, technology in Indian Education System is rather a debatable phenomenon.
- When many schools are adapting the advancement in technology, yet there are some schools that strongly believe in old practices than going with the wind.
- The widespread adoption of technology in schools has changed the entire scenario of how students learn.
- Teachers are working on how to teach with emerging technologies and students are using advanced technology to enhance their learning and knowledge.

Technology is helpful in class-room in many ways as under:

- **Effective learning:** Technology in a classroom makes learning easier and effective. It helps the students to easily grasp the content and information in a shorter span of time. Simultaneous visibility of information for all the students is available.
- **Skill development:** Technology in schools can be seen as a skill producing factor in students as many students focus on creating a presentation and expressing their knowledge rather than simply listening to the lecture. It helps students in learning things in a creative and innovative manner.
- **Visual programs:** The visual illustrations in the classroom make learning fun filled and easier. Technology prepares students for better future as it improves desire to learn among the students.
- **More interactive materials:** Technology is not only providing an interactive experience for pupils, but they can learn by researching and even providing feedback. This can help students to become passionate about what they are learning. For instance, teachers are using interactive software such as Google Earth or Google Maps to teach their students.
- **Helping in assessment:** The use of technology in education today often takes different forms, but overall, it is able to improve assessment as it enables the instructor to provide a flexible method of assessment that tests the use of various student competencies and skills. For instance, Class Flow enables the teacher to provide feedback in real time, and this helps them assess if the class is able to understand the lesson.
- **Breaking down boundaries:** The use of gadgets such as smartphones tablets or iPads will mean that students no longer have to remain inside the confinement of the computer lab. When there is homework to be done, they can do it inside the classroom, at home or even on the bus. If there is a

lesson that a student doesn't understand, they can seek help from professionals who do assignments for money. With mobile classroom innovations, students can create a bridge between learning in the classroom and learning at home.

- **Increased accessibility:** A significant way in which the internet has transformed the education sector today is that it has made learning more accessible as compared to what it was a few decades back. Today, it is possible for any person to study their preferred course through online classes. Many universities are now offering different educational courses every day. This is unlike the past where there had to be a face to face interaction. Today, students can even get someone to do my assignment for me at the click of the button. Thanks to science, this is nowhere easier to make and this is not all that influenced by science and modern technology.
- **Enhancing collaboration:** A key feature of the modern classroom is the collaboration between teacher and students and this can be enhanced using various tech gadgets. Teachers can now use mobile devices, instant messages and social media messages to promote inclusivity inside and outside the classroom. This can also help students to collaborate on the global atmosphere.
- **Make learning to be fun:** Another impact of technology on education is that it has significantly changed how learning content is delivered. This means that learners don't have to stick to the traditional learning and teaching process. Teachers can use animations, videos and other kinds of content to enhance the learning process. This can ensure that students find the whole learning experience to be fun.
- **E-books have replaced physical books:** Nowadays, learners do not have to move around with a backpack full of textbooks. This is because pupils have

the option of accessing their textbooks on e-books. Therefore, they can carry thousands of books in their hand-held device. Learners can now get updated textbooks.

- **Elimination of the chalkboard:** Nowadays, smart boards have replaced chalkboards in the classroom. This has helped to enhance the experience for both teachers and pupils. Instructors are now using slide shows, showing videos and engaging the entire classroom at the touch of a button.
- **Students have a wide range of presentation scope:** The days when students had to use the three-ring binder and poster boards are now gone. Today, students can choose from a wide range of online tools while creating their projects and showing their knowledge.

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