

# SAHAYA INSTITUTE OF ADVANCED STUDIES IN EDUCATION

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Affiliated to Nagarjuna University

2025 - 2027

Semester : 1st **ICT FOR ENRICHING TEACHING AND LEARNING  
ACTIVITIES / PROJECT / RECORD**

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## EDUCATION

Education in technical sense refers to that process by which society through its different institutions deliberately transmits its cultural heritage to its young accumulated value, knowledge and skill from one generation to other.

## TECHNOLOGY

Technology can be understood as the efforts made by people to satisfy their material wants by working by physical objects or convert them to useful forms to satisfy human wants. The first person who made fire by striking two stones was one of the earliest technology.

### Need educational technology:—

In the 21st century every aspect of human life has undergone a through change. Due to increasing use of science and technology has resulted we live in better houses have better medical facilities and travel in luxurious cars.

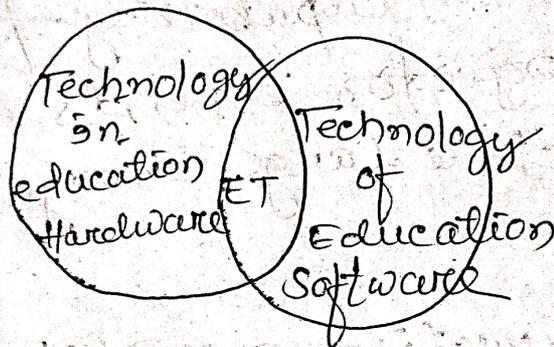
and volvo buses. train and superfast jet planes. It can't be denied that the application of science and technology has resulted in a tremendous improvement in quality of things. For example the production of the books before the inventions of the printing press each book was hand written and it took a very long time to produce a single book. But the production of printing press made it possible to produce a large no of books with in a very short period.

The kind of mass production brought the book which one could be purchased by the aristocrats only are now with in the buying capacity of the common man. Science and technology can be felt in most of the areas of human life the methods and techniques of formal education still seem to remain in the pre science and technology era.

It is a good sign that some of the teachers and administrators have at last realized the deficiencies of our educational system.

## TECHNOLOGY IN EDUCATION & TECHNOLOGY OF EDUCATION

Educational Technology is often considered to be the intermix of technology in education and technology of education means the use of audiovisual equipment i.e hardware in educational process.



Numerous definitions have been given to the terms. Educational technology and they are all stress to important aspect of these subject.

Contribution of behavioural sciences.

Which refers to the application of scientific principle to instruction which termed and technology of education.

## TECHNOLOGY IN EDUCATION

This is involved from engineering and physical science. The main aim of Technology in education is to realise the objectives to make teaching use of technology in education or training result in increased productivity through enhanced human capability for example over head projector extends our capabilities to project a large image or visual on screen.

- \* Technology in education provides needed appliances equipment and mass media for realization of different purpose and function of education.
- \* Provides proper training teachers in order to handle and use the equipment.
- \* Provide the attitude towards these appliances.
- \* This technology helps in implementing learning experiences. Thus it is closely related to life goals.

- \* This technology can be used to motivate to create sensation to draw their attention.
- \* It provides direct experiences to the child and helps in evaluating student outcomes.

## TECHNOLOGY OF EDUCATION

Means Educational Technology itself: i.e. it is the software aspect of educational technology. It is the application of psychology of learning to the process of education. This is helpful in solving problems encountered in teaching learning process. The Technology of education would include the entire process of setting goals and continuous renewal of curriculum, the trying out or using of new methods and materials in view of changing circumstances. It is often identified with the various devices and means of recording, storage, manipulation, retrieval, transmission and display.

Aim and objectives of Educational Technology  
Important aims of educational technology are.

- \* To provide appropriately designed situations for

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learning and teaching i.e. Those situation which keep in mind. The objective that are necessary for training.

2. To modified the learner environment by presented of material by arranging the different learning activities and by organizing the physical and social surrounding of the learner.

Nature and characteristics.

Educational technology is a fast growing discipline.

- \* It is influenced by advancement in the field of behaviour science.
- \* It is essentially a practical discipline rather than the theoretical construct.
- \* It is a science of design development and application of audio visual equipment of the field of education.
- \* It locates the problem in education and provides remedial measure and ultimately aims at improving the education system.
- \* ET is an application science where in the researches and finding of diverse

## Social Science.

- \* ET plays an important role in making the teaching scientific objectives clear simplified and interesting.
- \* ET get together technical means students teachers and their psychological aspects.
- \* ET is bound to improve teacher and the learner and the teaching learning process.
- \* It stresses the organization of learning situations for the effective realization of the goals of the education.
- \* Expected behavioural changes in the teachers and pupils are possible through educational technology.
- \* The provision of measuring devices for testing result of learning are emphasizing in educational technology.

# TEACHING TECHNOLOGY

Teaching is considered as an art as well as science. As a science it refers to the logical mechanical and procedural steps followed by the teacher to make it more systematic.

This has evolved the concept of a teacher in technology. As an art teaching includes the imaginative and artistic abilities of a teacher in creating a worthwhile situation in the classroom in which learner participates actively leading to the attainment of planned activities.

Teaching is a system of actions which induces learning through interpersonal relationship. Teaching is purposeful activity the ultimate goal of teaching is to bring about all round development of a child. The knowledge and practice which helps in realizing the goal in the content matter of teaching technology.

## Characteristic of teaching technology:-

- Teaching process can be made effective by teaching technology.
- With the help of teaching technology the teaching process can be organized at three levels. memory understanding level and reflective level.
- Objective of all the three domains i.e cognitive effective and psychomotor domain can be achieved by this technology.
- Philosophical sociological and scientific knowledge is the basis of teaching technology.
- As in a system input process and output are involved in teaching technology with stress on teachers.
- Teaching theories can be formulated by the use of teaching.