

UNIVERSITY OF CALCUTTA (4<sup>TH</sup> SEMESTER)  
CORE COURSE FOR  
EDUCATION HONOURS(CC-8)  
MODULE (EDCA-04-08-1.1)

Technology in Education  
Concept of technology

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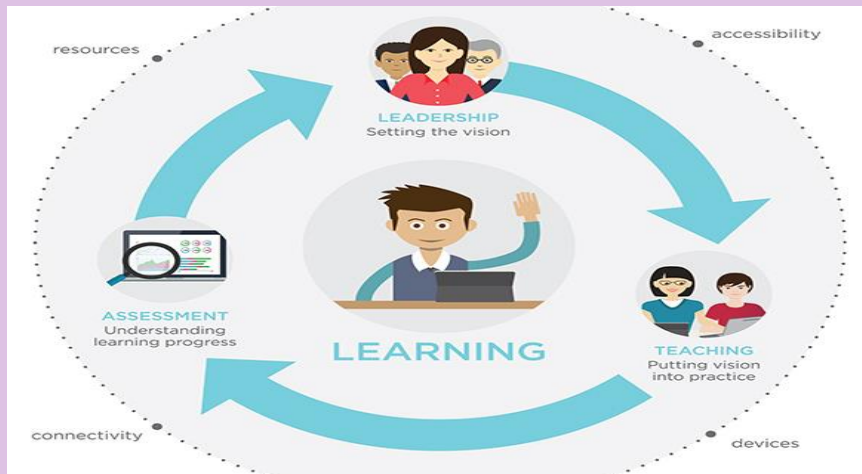
# UNIT 1

## **Introductory Concept**

- ◎ **1.1 Concept of Technology**
- ◎ **1.2 Need and Scope of Educational Technology**
- ◎ **1.3 System Approach - Concept and Need**
- ◎ **1.4 Classification and components of System Approach**

# TOPIC OF DISCUSSION

## 1.1 Concept of Technology



# LEARNING OUTCOMES

After going through this unit , you should be able to discuss

- ◉ the Concept of Technology
- ◉ the definition of Technology
- ◉ the Concept of Educational Technology
- ◉ meaning of Educational Technology

# CONCEPT OF TECHNOLOGY

The word 'Technology' is derived from the two words 'Techno' and 'logic'. The meaning of the word techno is 'skill' and logic means 'science'.

According to Sachs

Technology is knowledge organized for production.

# DEFINITION OF TECHNOLOGY

Herrera

“Technology is the set of instruments and skills which are used to satisfy the need of Community.”

Romiszowski

“ Technology is defined as a process in which people tries to solve problems or to achieve aims and products such as instruments and tools , something tangible that exists and can be used to satisfy the needs of the community.”

# CONCEPT OF EDUCATIONAL TECHNOLOGY

There are three views regarding the meaning of Educational Technology.

Educational Technology 1 ( ET1)

According to the first view ET1 the application of physical sciences and engineering technology to provide mechanical instruments or “hardware” which can be used for instructional purposes. ( James o. Finn and others, 1960).

The second view Educational Technology2 (ET2) refers to scientific principles or software approach to instruction. Skinner, Gagne and others were of this view.

The third view Educational Technology 3 (ET3) incorporates both ET1 and ET2 through the application of a 'system approach' to education and training.



# MEANING OF EDUCATIONAL TECHNOLOGY

According to Richmond

Educational Technology is concerned to provide appropriately designed learning situations which, holding in view of objectives of the Teaching of Training being to bear the best means of instruction.

Hadden states that

Educational Technology is that branch of educational theory and practice concerned primarily with the design and use of messages which control the learning process.

# CONCLUSION

With 'National Council for Educational Technology', we can conclude that Educational Technology is the development , application and evaluation of systems, techniques and aids to improve the process of human learning.

# ACTIVITIES

1. Define Educational Technology in your own words.
2. Briefly write the concept of Educational Technology.