

UEDUVAC02 - Essentials of Educational Technology

Learning Objectives (LO)

The student teacher

Enables the student to understand the meaning, nature, scope and significance of educational technology and its important components in terms of Hardware and Software.

Enables the student to acquire knowledge of the concept of communication and Interaction analysis.

Enables the student to understand the psychology of using teaching aids.

Enables the student to develop skills in designing text materials for multimedia presentation.

Acquaints the student with emerging trends in Educational Technology.

Unit I Educational Technology

- Concept of Educational Technology
- Meaning, Nature, Scope and Significance of Educational Technology
- Components of Educational Technology – Software and Hardware.
- Educational Technology and Instructional Technology

Unit II Learning and Educational Technology

Learning objectives – Lessons from Learning Theories – Multi Sensory approach. Psychology of using Teaching Aids – Integrated use of Teaching Aids – Dale's Cone of Experience – Domains of Learning - Maxims of Teaching.

Unit III Communication and Interaction

Concept of Communication – Communication Cycle – Types of Communication – Factors Affecting Communication- Interaction Analysis – Classroom Interaction Technique – Flander's system of Interaction Analysis – Micro Teaching and Classification of Teaching skills –.

Unit IV Audio Visual Aids

Multimedia and Instructional Development – Techniques in using Multimedia – Uses and Abuses of Multimedia. Systems Approach – Steps in the Systems approach – Advantages of Systems Approach.

Unit V Emerging Trends in Educational Technology

Emerging Trends in Educational Technology – use of Educational Technology in Individualized Instruction – Role of the teacher in Educational Technology. Frontiers in Educational Technology – Interactive Video – Teleconferencing – Internet

For Fast Track Learners

Exploring Apps – Khan Academy, Class Dojo, Edmodo, TED

Course Outcome

The students should be able to

- Follow the components of micro teaching
- Explain the use of various audio visual aids
- Administer multimedia and instructional software
- Make use of various communication and interaction techniques
- Find out the emerging trends in educational technology

References:

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