CERTIFICATE COURSE IN EDUCATIONAL TECHNOLOGY

Objectives:

1. To identify man-material resources and strategies for achieving the stipulated objectives of education.
2. To determine specific classroom objectives and state them in behavior terms.
3. To integrate technology and pedagogy for effective classroom interaction.
4. Prepare and use communication aids for better teaching learning.
5. To familiarize the pupil teachers with emerging communication and information techniques.

Unit-I
Education technology and Communication

a) Meaning and definition of Educational Technology.
b) Objectives of Educational Technology.
c) Approaches of Educational Technology.
d) Process of Communication through technology.

Unit-II
Skills of using Communication Aids

a) Classroom instruction and communication aids.
b) Classification of communication aids.
c) Preparation and use of Non-projected aids like Chalkboard Map Graphics, Charts, Posters, Models mock-ups.
d) Preparation and use of projected aids-slides and film strips, overhead projectors.

Unit-III
Process of Teaching Learning and objectives of Teaching

a) Linkage among educational aims, objectives and instructional objective.
b) Education and Development.
c) Blooms taxonomy of Educational objectives.
d) Writing objectives in behavioral terms-Millers approach and RSEM Approach.

Unit-IV
Emerging communication and information Technologies

a) Computer Assisted Instructions (CAI)
b) Intranet, Internet, Electronic Mail (email) and teleconferences.
c) Virtual classroom and communication satellites with special reference to EDUSAT & SITS
d) Educational value of major social-networking sites like U-tube, twitter, Face-book, WhatsApp and use of online library resources.