

Department of Education
SEMESTER-4
Syllabus for Alternative of MOOC

FM. 100

(Mid-term=20 marks, Assignment/Project= 20 marks, End-term= 60 marks)

Emerging Trends in Educational Technology

Course Outcomes

On completion of this course, the students shall be able to

- A. Explain about different approaches to instructional designs used in education with suitable examples
- B. Gain understanding regarding the emerging trends in e-learning widely in education
- C. Critically analyze the use of ICT in research and evaluation
- D. Explain the contributions of modern educational technology to improve the quality of education

Unit-I Approaches to Instructional Design

- Systems Approach to Instructional Design, Models of Development of Instructional Design (ADDIE, ASSURE).
- Gagne's Nine Events of Instruction and Five E's of Constructivism
- Concept of e learning, Approaches to e-learning (Offline, Online, Synchronous, Asynchronous, Blended learning, mobile learning)

Unit-II Emerging Trends in e-learning

- Social learning (Concept, Use of Web 2.0 tools for learning, social networking sites, blogs, chats, video conferencing, discussion forum).
- Open Education Resources (Concept and application),
- E Inclusion - Concept of E Inclusion, Application of Assistive technology in E learning
- Ethical Issues for E-Learner and E-Teacher-Teaching, Learning and Research

Unit-III Use of ICT in Research and Evaluation

- Use of ICT in Evaluation and Administration: E-Portfolios, Hot-Patatoes
- ICT for Research-Online Repositories and Online Libraries
- Online and Offline assessment tools (Online survey tools or test generators)–Concept and Development.

Mode of transaction

Lecture-cum-Discussion, Blended learning, Seminar, Workshop

Suggested Readings

UNESCO (2002). *Information and communication technology in education: A curriculum for schools and programme of teacher development*. Paris: UNESCO.

Kanvaria, V.K. (2014). *A Comprehension on Educational Technology and ICT for Education*. New Delhi: GBO.

Vanaja and Rajasekar, S. (2016). *Information UNESCO (2002). Information and communication technology in education: A curriculum for schools and programme of teacher development*. Paris: UNESCO.

Kanvaria, V.K. (2014). *A Comprehension on Educational Technology and ICT for Education*. New Delhi: GBO.

Vanaja and Rajasekar, S. (2016). *Information & Communication Technology (ICT) In Education*. New Delhi: Neelkamal

Singh, L. C. (Ed.) (2010). *Educational Technology for Teachers and Educators*. New Delhi: Vasunandi Publication.

UNESCO(2008).*ICTCompetencyStandardsforTeachers:PolicyFramework*. Retrieved from <http://portal.unesco>.

UNESCO (2002). *Information and Communication Technologies in Teacher Education A Planning Guide*. Paris: Author

UNESCO (2005). *How ICT can create new, open learning environments: Information and communication technologies in schools: A handbook for teachers*. Paris:

UNESCO Mishra, S. (2008). *Developing E-Learning Materials: Some Pedagogical Concerns*. *Indian Journal of Open Learning*, 17 (2).