

Course Title: Information & Communication Technologies (ICT)
Course Code: EDU17107GE

Credits: 2

Marks: 50

Objectives:

- To equip learners in the effective use of ICT tools, software applications and digital resources.
- To familiarize learners with the understanding and skills of integration of ICT in teaching-learning process.
- To familiarize learners with the concept of OER and various ICT based eLearning initiatives in India

Unit-1: – Introduction to Information and Communication Technology

- ICT: Meaning, nature and advantages
- Scope of ICT in Education
- Hardware and Software Fundamentals
 - ✓ Anatomy of a Computer, input devices, output devices, storage devices, types of computers
 - ✓ Software – Meaning and types; System software and Application software and its educational applications (Word processing, Spreadsheet, Presentations, Accessing Internet)

Unit -2: – ICT for Pedagogical Innovations and open educational resources

- Concept and Characteristics of E-learning, Advantages and Drawbacks of E-learning
- Open Educational Resources – Meaning and Importance of OER
- National Mission on Education Through ICT – Vision, Mission and Objectives
- E-learning initiatives in India – Swayam, Swayam Prabha, National Digital Library

Suggested Reading:

- Agarwal, J.P. (2013). Modern Educational Technology. Delhi: Black Prints.
- Ahmad, J., Ahmad, M.S. and Khan, A. (2012), Computer Applications in Education, Neelkamal Publication, Hyderabad, PP-288, ISBN: 978-81-8316-293-7.
- Bharihok, D. (2000). Fundamentals of Information Technology. Pentagon Press: New Delhi.