**Bachelor of Education in Special Education- (B.Ed. SE-VI/ID)**

**Course Code: B 10(E) (Semester: IV)**

APPLICATION OF ICT IN CLASSROOM

**Credits: 02**

**Contact Hours: 30 Marks: 50**

**Introduction of the Course**

This course has dual purpose: firstly it aims to orient the teacher trainee to various applications of Information and Communication Technology in teaching learning process; and secondly it intends to orient the learners to understand the scope and application of ICT for students with disabilities. The course includes uses of all kinds of media and computer in order to give hands on experience of applying ICT in various learning environments as well to familiarize the student teacher with different modes of computer based learning.

**Learning Outcomes:**

After completing the course the student teacher will be able to

*Gauge the varying dimensions in respect of ICT and Applications in Special Education.*

*Delineate the special roles of ICT Applications.*

*Acquire Familiarity with Different Modes of Computer-Based Learning.*

**Unit 1: Information Communication Technology (ICT) and Special Education. (10 hours)**

1. Meaning and Scope of ICT and Its Role in 'Construction of Knowledge'
2. Possible Uses of Audio-Visual Media and Computers (Radio, Television, Computers)

1.3 Integrating ICT in Special Education With Reference To Articles 4 and 9 of  
UNCRPD and Goal 3 of Incheon Strategy

1. Three as of ICT Application—Access, Availability, Affordability
2. Overview of WCAG (Web Content Access Guidelines)

**Unit 2: Using Media and Computers (10 hours)**

2.1 Media: Radio and Audio Media- Script Writing, Storytelling, Songs, etc., Television  
and Video in Education, Importance of Newspaper in Education

2.2 Computers: Functional Knowledge of Operating Computers-On/Off, Word  
Processing, Use Of Power Point, Excel, ICT Applications for Access to Print

2.3 Computer as a Learning Tool: Effective Browsing Of The Internet for Discerning and  
Selecting Relevant Information, Survey of Educational Sites and Downloading  
Relevant Material; Cross Collating Knowledge from Varied Sources

1. Computer-Aided Learning: Application of Multimedia in Teaching and Learning,  
   Programmed Instruction; Computer-Assisted Instruction; Interactive Learning
2. E-Classroom: Concept, Organizing E-Classroom and Required Adaptations for  
   Students with Disabilities

**Unit 3: Visualising Technology-Supported Learning Situations (10 hours)**

1. Preparation of Learning Schemes and Planning Interactive Use of Audio-Visual  
   Programme
2. Developing PPT Slide Show for Classroom Use and Using of Available Software or  
   CDs with LCD Projection for Subject Learning Interactions
3. Generating Subject-Related Demonstrations Using Computer Software and Enabling  
   Students to Plan and Execute Projects
4. Interactive Use of ICT: Participation in Social Groups on Internet, Creation of 'Blogs',  
   Organizing Teleconferencing and Video-Conferencing
5. Identifying and Applying Software for Managing Disability Specific Problems

**Course Work/ Practical/ Field Engagement (any Two of the following)**

1. Develop a script on any topic of your choice. Conduct an interview with an expert on  
   the selected topic to prepare an audio or video program of 15 minutes duration
2. Prepare a PPT by inserting photos and videos on a topic of your choice
3. Create your email account as well as design a blog

**Essential Readings**

Abbot, C. (2001). *ICT: Changing Education.* Routledge Falmer.

Florian, L., & Hegarty J. (2004). *ICT and Special Educational Needs: A Tool for  
Inclusion.* Open University Press.

**Suggested Readings**

• Kozma, R.B. (2003). *Technology, Innovation, and Educational Change: A Global  
Perspective: A Report of the Second Information Technology in Education Study,  
Module 2.* International Society for Technology in Education.