M.ED FIRST YEAR / SECOND SEMESTER
ICT IN EDUCATION CORE COURSE 4

Objectives

- Understand the fundamentals of computer
- After completing the course, the student - teacher will be able to
- Understand the meaning of ICT
- Understand the meaning and nature of instructional technology
- Understand the features, working and use of the Internet and web
- Understand ICT application in education
- Attain knowledge about e-learning
- Acquire knowledge about new horizons of educational technology

UNIT I -INTRODUCTION TO ICT - COMPUTER FUNDAMENTALS

ICT meaning and importance- introduction to computer- Computer in Education, -Different uses of computer in education -Advantages and disadvantages of Computer, Assisted Instruction - Internet and education Introduction to a personal computer- standard computer accessories-their configurations-conceptions and functioning- functional overview of the operating system-standard office and media selection.

Activity: Group discussion on the use on Computer for Administrative and academic purpose

UNIT II – INSTRUCTIONAL TECHNOLOGY

Instructional technology: meaning and nature-programmed instruction-meaning, nature and principles-types of programmed instruction-Linear, Branching and Mathetics- merits and demerits of programmed instruction.

Activity: Prepare a PLM for any school subjects

UNIT III- INTERNET AND THE WORLD WIDE WEB

The internet and the World Wide Web; Information, services and functions of the Internet and the web- connecting to and using the web- using search engines and web utilities-keywords and search strategies; synchronous and asynchronous communication on the web: e-mail, chat, news groups and forums.

Activity: Discuss the uses of blogs /Web site

UNIT IV – ICT APPLICATION IN EDUCATION

Multimedia Content: Multimedia packages – installation and use; Critical analysis of multimedia content, educational implications of media use and interactivity. - Websites with educational content: Search, locate and maintain lists of educational web sites-Critically examine the content of websites; using the web as a teaching-learning resource - Academic and Research content on the web: Online journals and abstraction services.

Activity: Identify Website for Research Journals and Online books.

UNIT V- NEW HORIZONS OF EDUCATIONAL TECHNOLOGY, E-LEARNING

Recent trends in the area of educational technology-interactive video-video-conferencing –M-learning,mooc, watsup etc.-Recent experiments in the third world countries and pointers for India with reference to Education. Elements of e-learning; e-content and e-books- virtual classroom and virtual university- merits and limitations.

Activity : Group discussion on the E-Learning and mobile learning

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