SEMESTER IV

**MPD-C401 INFORMATION AND COMMUNICATION TECHNOLOGY
IN PHYSICAL EDUCATION**

The Course learning outcomes (COs): On completion of the two years M.P.Ed., program, the students will be learning and able to do/perform the following…….
CO-1. Defining the concepts of information & communication technology in physical education.
CO-2. Identifying the computer hardware, software and network components.
CO-3. Solving the basic information system problem by applying system development, word processing.
CO-4. Estimating the concepts of ICT and its need/importance in the field of physical education.
CO-5. Compiling and representing the data statistics in form of graphical representation

Unit I – Communication & Classroom Interaction
Concept, Elements, Process & Types of Communication, Communication Barriers & Facilitators of communication
Importance of ICT Need ofICT in Education
Scope of ICT: Teaching Learning Process, Publication Evaluation, Research and Administration, Challenges in Integrating ICT in Physical Education

Unit II – Fundamentals of Computers
Characteristics, Types & Applications of Computers Hardware of Computer: Input, Output & Storage Devices Software of Computer: Concept & Types
Computer Memory: Concept & Types Viruses & its Management
Concept, Types & Functions of Computer Networks Internet and its Applications
Web Browsers & Search Engines Legal & Ethical Issues

Unit III – MS Office 2007 Applications
MS Word: Main Features &its Uses in Physical Education
MS Excel: Main Features & its Applications in Physical Education
MS Power Point: Preparation of Slides with Multimedia Effects
Approaches to Integrating ICT in Teaching Learning Process
Project Based Learning (PBL)

Unit IV – Audio Visual Media in Physical Education
Audio-visual media - meaning, importance and various forms Audio/Radio: Broadcast and
audio recordings - strengths and Limitations, criteria for selection of instructional units, script writing, pre-production, post-production process and practices, Audio Conferencing and Interactive Radio Conference.

References: Douglas E. Comer, The Internet Book, Purdue University, West Lafayette in 2005.
Heidi Steel Low price Edition, Microsoft Office Word 2003- 2004.
Pradeep K. Sinha&Priti; Sinha, Foundations computing BPB Publications -2006. Rebecca Bridges Altman Peach pit Press, Power point for window, 1999.
Sanjay Saxena, Vikas Publication House, Pvt. Ltd. Microsoft Office for ever one, Second Edition-2006.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO 1								
CO 2								
CO 3								
CO 4								
CO 5								