

Semester-I
THEORY COURSE

IMTC-102 - INFORMATION TECHNOLOGY IN PHYSICAL EDUCATION

ESSENCE OF THE COURSE

This course will enable students to understand the importance of information and communication technology (ICT). It aims to develop understanding about the components of computer, application software used in Physical Education and sports, format and editing features of MS word, MS excel and MS power point.

COURSE LEARNING OUTCOME

After completing this course, the students will be able to

-) Understand the application of computers in Physical Education.
-) Describe the importance of information and communication technology (ICT).
-) Understand the components of computer.
-) Recognize and use application software used in Physical Education and sports.
-) Create, format and edit features of MS word, MS excel and MS power point.

COURSE CONTENT

Unit 1. Introduction to Computer System: Definition, Characteristics, Principles, Parts of Computer and their functions, Generations, Input and Output Devices, Software and Languages of Computer, Operating Systems, Memory.

Unit 2 WINDOWS: Meaning and Features of Windows, Graphic user Interface, Screen to Start and Shutdown Computer, Creating Folders and Short cut Icons. Saving, Copying and Deleting Files, Loading Software. Use of Note Pad and Paint Brush MS OFFICE: including MS Word, MS Excel and MS Power point

Unit 3 Computer Applications in Physical Education: principles of development of self-instruction materials special reference to school children, principles of designing e - learning modules,

Unit 4 Computer Assisted Instruction & Web Based Instruction; Use of Educational Software and CD's. Use of computers in Library, Administration, Guidance and Examination

TEACHING LEARNING STRATEGIES

-) The content of the syllabus may be taught by using lecture method, discussion method, quiz method, educational videos, charts and assignment method depending upon the resources and facilities available at the University/Institute/ Department/Colleges.

MODE OF TRANSACTION

-) Field Work/Project Work/Viva/Seminars/Term Papers/Presentations/Self- Learning Instructional Material etc.

ASSESSMENT RUBRICS

) End Semester Exam	Marks: 100
o Written Test	Marks: 70
o Practicum	Marks : 40
) Classroom Test, Project Work, Assignments, Presentations	Marks : 30
o Classroom Tests: Best one out of two unit tests	Marks: 30
o Project Work, Assignments, Presentations	Marks: 10
	Marks: 20

REFERENCES:

- 1 Chauhan Sunil, Saxena Akash, Gupta Kartika, Foundation of Computer, (Firewall Media, 2006)
- 2 Computer Fundamentals. Pradeep K. Sinha & Priti Sinha, 4th edition, BPB Publication
- 3 Computers in Your Future, Marilyn Meyer & Roberta Baber, 2nd edition, Prentice Hall India
- 4 Computers Today. Suresh K. Basandra, Galgotia publication, upgraded edition-2008
- 5 Irtegov, D. Operating System Fundamentals. Firewall Media. 2004.
- 6 Milke, M Absolute Beginner's Guide to Computer Basics, Pearson Education Asia 2007.
- 7 NIIT Basics of Networking Prentice – Hall of India Pvt. Ltd, 2004