

INSTITUTE	FACULTY OF PHYSIOTHERAPY
PROGRAM	BACHELOR OF PHYSIOTHERAPY
SEMESTER	1
COURSE TITLE	INFORMATION TECHNOLOGY
COURSE CODE	BPT-109
COURSE CREDITS	2

Objective:

- 1 To know the parts of computer
- 2 To have working knowledge of a computing system
- 3 Use computer for word processing and presentation, data management and use the internet for personal and professional purpose
- 4 Understand the role of digital technology in the Health sciences

Course Outcomes: After completion of this course, student will be able to:

- 1 To know the parts of computer
- 2 To have working knowledge of a computing system
- 3 Use computer for word processing and presentation, data management and use the internet for personal and professional purpose
- 4 Understand the role of digital technology in the Health sciences

Pre-requisite of course: A basic familiarity with operating a computer at the beginner level is typically required.

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
20	0	40	0	0	0	0	0

Contents : Unit	Topics	Contact Hours
1	Introduction to computer Introduction, characteristics of computer, block diagram of computer, generations of computer, computer languages.	2
2	Input output devices Input devices (keyboard, point and draw devices, data scanning devices, digitizer, electronic card reader, voice recognition devices, vision-input devices), output devices(monitors, pointers, plotters, screen image projector, voice response systems).	1
3	Processor and memory The Central Processing Unit (CPU), main memory.	2

Contents : Unit	Topics	Contact Hours
4	Storage Devices Sequential and direct access devices, magnetic tape, magnetic disk, optical disk, mass storage devices.	1
5	Introduction of windows History, features, desktop, taskbar, icons on the desktop, operation with folder, creating shortcuts, operation with windows (opening, moving, resizing, minimizing and maximizing, etc.).	3
6	Introduction to MS-Word introduction, components of a word window, creating, opening and inserting files, editing a document file, page setting and formatting the text, saving the document, spell checking, printing the document file, creating and editing of table, mail merge.	2
7	Introduction to Excel introduction, about worksheet, entering information, saving workbooks and formatting, printing the worksheet, creating graphs.	3
8	Introduction to power-point introduction, creating and manipulating presentation, views, formatting and enhancing text, slide with graphs/ photos/ Videos.	3
9	Introduction of Operating System introduction, operating system concepts, types of operating system.	1
10	Computer networks introduction, types of network (LAN, MAN, WAN, Internet, Intranet), network topologies (star, ring, bus, mesh, tree, hybrid), components of network.	1
11	Internet and its Applications definition, brief history, basic services (E-Mail, File Transfer Protocol, telnet, the World Wide Web (WWW)), www browsers, use of the internet.	1
Total Hours		20

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
1	Practical on fundamentals of computers - Learning to use MS office: MS word, MS PowerPoint, MS Excel., To install different software., Data entry efficiency	40
Total Hours		40

Textbook :

- 1 Basic Computer & Information Science for Physiotherapy Students, Priyanka Randhir, CBS Publishers & Distributors Pvt. Ltd., 2023

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
0.00	0.00	35.00	35.00	30.00	0.00

Instructional Method:

- 1 Interactive lectures
- 2 Demonstration