

Branch Name:	BPT
Program Code:	PT101
Course Title:	Information Technology (IT)
Course Code:	3PT1010109
Pre-requisite Course:	-

Teaching and Examination Scheme:

Teaching Scheme (Hours per week)			Evaluation Scheme (Marks)				
Lecture (L)	Practical (P)	Credit	Theory (Marks)		Practical (Marks)		Total (Marks)
			University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
60	-	4	-	-	-	-	-

Course Outcomes:

The students will be able to appreciate the role of computer technology. The course has focus on computer organization, computer operating system and software, and MS windows, Word processing, Excel data worksheet and PowerPoint presentation.

1. To know the parts of a computer.
2. To have working knowledge of a computing system.
3. Use a computer for word processing and presentation and data management. CO4 uses the internet for personal and professional purposes.
4. Understand the role of digital technology in the health sciences.

Course Contents: B.P.T. IT 109 (L)

IT 1.1. Introduction to computer:

Introduction, characteristics of computer, block diagram of computer, generations of computer, computer languages.

IT 1.2. 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).

IT 1.3. Processor and memory:

The Central Processing Unit (CPU), main memory.

IT 1.4. Storage Devices:

Sequential and direct access devices, magnetic tape, magnetic disk, optical disk, mass storage devices.

IT 1.5. Introduction of windows:

History, features, desktop, taskbar, icons on the desktop, operation with folder, creating shortcuts, operation with windows (opening, closing, moving, resizing, minimizing and maximizing, etc.)

IT 1.6. 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.

IT 1.7. Introduction to Excel:

introduction, about worksheet, entering information, saving workbooks and formatting, printing the worksheet, creating graphs.

IT 1.8. Introduction to power-point:

introduction, creating and manipulating presentation, views, formatting and enhancing text, slide with graphs/ photos/ Videos.

IT 1.9. Introduction of Operating System:

introduction, operating system concepts, types of operating system.

IT 1.10. Computer networks:

introduction, types of networks (LAN, MAN, WAN, Internet, Intranet), network topologies (star, ring, bus, mesh, tree, hybrid), components of network.

IT 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.

IT 1.10. Computer networks:

introduction, types of networks (LAN, MAN, WAN, Internet, Intranet), network topologies (star, ring, bus, mesh, tree, hybrid), components of network.

IT 1.12. Application of Computers in clinical settings.**PRACTICAL: B.P.T. IT 109 (P)****2.1. Practical on fundamentals of computers -**

1. Learning to use MS office: MS word, MS PowerPoint, MS Excel.
2. To install different software.
3. Data entry efficiency

Text Books:

1. Basic Computer and Information Science for Physiotherapy students (PB 2023) by Randhir P

Reference Books:

1. Fundamental of Computer, Reema Thareja, Etd. 2

List of Open-Source Software/learning website:

- k-hub.in e library/A single platform for all e resources (K-hub, E Resource)
 - o User Name- KB4605VNG
 - o Password- BL@69BX!
- knowledgegainer.delnet.in (Delnet, E Resource)
 - o User Name- gjspum
 - o Password- spu10924