



BHARATHIDASAN UNIVERSITY
Tiruchirappalli- 620024,
Tamil Nadu, India

Programme: M.A.HUMAN RESOURCE MANAGEMENT

Course Title :Information Technology for Managers

Course Code :22HRM4CC18

UNIT I

Basics of Computer & Internet

Dr. T. KUMUTHAVALLI

Associate Professor

Department of Lifelong Learning

Basics of Computer & Internet

Agenda

- Overview of Computer Basics
- Software and Operating Systems
- Networking Concepts
- Internet Basics and Services
- Printers and Peripherals

Desktop Computers

- Definition: Personal computing devices
- Types: Desktops, Laptops, All-in-Ones
- Key components: CPU, Monitor, Keyboard, Mouse

Structure of a Computer

- Core Components:
 - - CPU: The brain of the computer
 - - RAM: Temporary memory
 - - Storage: HDD/SSD
 - - Motherboard: Connectivity hub

Input and Output Devices

- Input Devices:
 - - Keyboard, Mouse, Scanner, Webcam
- Output Devices:
 - - Monitor, Printer, Speakers

Memory and Storage Devices

- Memory Types:
 - - RAM, ROM
- Storage Devices:
 - - Hard Drives (HDD, SSD), USB Drives, Optical Discs

Different Ports and Their Uses

- Common Ports:
 - - USB: Connect peripherals
 - - HDMI: Video output
 - - Ethernet: Network connectivity
 - - Audio Ports: Headphones and speakers

Types of Printers

- Categories:
 - - Inkjet: For photo printing
 - - Laser: High-speed document printing
 - - Dot Matrix: Industrial use
 - 3D Printers: Emerging technology

Software: Definition

- Operating Systems (OS):
 - - Windows, macOS, Linux
- Application Software:
 - - Productivity: MS Office
 - - Creative: Adobe Suite

Operating Systems Overview

- Windows OS:
 - - User-friendly interface
 - - Extensive compatibility
- Linux:
 - - Open-source and secure

Networking Basics

- LAN: Local Area Network
- - Example: Office network
- WAN: Wide Area Network
- - Example: The Internet

Network Types

- Key Features:
 - - Wired vs Wireless
 - - Topologies: Star, Ring, Mesh

Internet Basics

- Definition: Global network of interconnected computers
- Protocols: TCP/IP, HTTP, HTTPS

Hypertext Concept

- Definition:
- - Text linking to other texts
- - Example: HTML pages

Internet Services

- Categories:
 - - Email, Browsing, Streaming, E-commerce
- Examples:
 - - Gmail, Amazon, YouTube

Internet Service Providers (ISPs)

- Definition: Companies providing internet access
- Examples:
 - - AT&T, Comcast, Reliance Jio

Cybersecurity Basics

- Threats:
 - - Malware, Phishing
- Safety Tips:
 - - Use strong passwords
 - - Enable firewalls

Emerging Technologies

- Trends:
 - - Cloud Computing
 - - Artificial Intelligence
 - - IoT (Internet of Things)

Applications of Computers

- Fields:
 - - Education, Healthcare, Entertainment
- Examples:
 - - Online classes, Telemedicine, Streaming services

Conclusion

- Summary:
- - Computers and the internet are integral to modern life
- - Understanding basics is key to leveraging technology