

## **SECIT-02 Introduction to Information Technology**

### **UNIT - 1 INTRODUCTION TO COMPUTER**

Definition of Computer, components of computer, evolution, generation and classification of computers, Application of computers.

### **UNIT - 2 COMPUTER MEMORY AND STORAGE**

Representation of Data in computer : bits and bytes, Computer Memory : primary and secondary memory.

### **UNIT - 3 SOFTWARE AND MULTIMEDIA**

Computer Software Basics, System Software, Application Software, Integrated Software, Multimedia Computing

### **UNIT - 4 BASIC HARDWARE COMPONENTS**

System unit, Power supply, Motherboard, Processor, Buses, I/O ports and connectors

### **UNIT - 5 INTRODUCTION TO COMPUTER NETWORKS**

Basics of Computer Networks, Network Topologies, Types of Network, Internetworking Devices, Protocol Hierarchy, Introduction to ISO-OSI Reference Model.

### **UNIT - 6 INTERNET TECHNOLOGIES**

Internet : Growth, management, Internet Accessing : connectivity, ISP, Internet Addressing; WWW : Web server, Web Browsers, Search Engines; Internet security : Password, viruses, firewall; Application of Internet.

### **Suggested Reading**

1. Computers Fundamentals by P.K.Sinha, BAB Publication.
2. Computers Fundamentals by B. Ram, New Age International Publishers.