
16CS101 **BASICS OF COMPUTERS AND INTERNET**

I Year I Semester



UNIT - 1

L-10

COMPUTING SYSTEMS: Introduction to computer, Computers for individuals, Importance of computers, Parts of computer system, Memory devices, Input and output devices, Types of monitors, Types of printers, Number systems, Bits and bytes, Text codes and types of processors.

UNIT - 2

L-10

OPERATING SYSTEMS: Types of operating systems, User interfaces, PC operating systems, Network operating systems, Types of software, Programming languages, Compiler and interpreter, Program control flow and algorithm.

UNIT3

L-8

NETWORKS AND DATABASES: Networking basics, Uses of network, Types of networks, Network hardware, Introduction to data bases and database management systems.

UNIT4

L-8

INTERNET AND WWW: Internet's services, World wide web, Browser setups, Using search engine, Email and other internet applications.

UNIT-5

L-9

CYBER SECURITY: The need of computer security, Basic security concepts, Threats of users, Online spying tools, Threats to data, Cybercrime, Protective measures.



TEXT BOOK :

1. Peter Norton, "Introduction to Computers", 7th edition, Tata-McGrawHill, 2010.

REFERENCE BOOKS:

1. IITL Education Solution Limited, "Introduction to Computer Science", 2nd edition, Pearson Education, 2011.
2. Eric Maiwald, "Fundamentals of Network Security", 3rd edition, Tata-McGrawHill, 2004.