

CS 536 Computer Applications and Information Management
Cr : 3 L-T-P : 2-0-1

1. Basic Concepts: Basic computer organization, Processor and memory, secondary storage devices, Input-Output devices, Computer software, Computer languages, Operating system: MS DOS, Unix (some basic commands), Data communication and computer network.

2. Word Processing and Documentation: Preparing and processing text documents, Basic word processing using Microsoft word or similar tools or products, Preparation of presentation slides.

3. Fundamentals of Database Management Systems (DBMS) : Basic Concepts of Data base Entity, Attributes of entities, Database Tables, Fields, Records, Key field, Primary Key, Basic Entity Relationships, Designing database tables, data entry forms and Designing Database Reports, Introduction to DBMS package like MS-Access.

4. Internet Services: Concept of Internet Protocol, Internet services, Client- server organization, FTP, HTTP, Telnet, world wide web, E-mail, Domain Name System, Uniform Resource Locator, Internet Browsers, Searching the web, Search engines, Basics of HTML and web page designing.

5. Management Information System: Concepts of Management Information System (MIS), Management by Objectives, Management Support Systems, Decision Support Systems and Functional Information Systems and Applications of MIS.

6. Electronic Spread Sheet and Data Analysis: Organising and analyzing data using MS-Excel and SPSS.

Text Books

1. Sinha, P.K., *Computer Fundamentals*, (BPB Publications, 2002).

Reference Books

1. Godbole A. S., Kahate A., *Web Technologies*, (Tata McGraw-Hill, 2006)

