

<b>1<sup>st</sup> Semester</b>	<b>16IMN105</b>	<b>IT for Management</b>	<b>L-T-P 4-0-0</b>	<b>4 Credits</b>	<b>35 hrs</b>
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**Module - I:**

Role of Computer in various functional areas of business . Brief History of computer, Generation and its evolution (now and then), Classification, Characteristics and limitations of computers. Basic computing Architecture, CPU and its components. Components : Software, Hardware, Firmware, Input/output devices, Storage Units (CD, DVD, Hard Disks, Pen drive), Memory types (RAM, ROM, Cache). Operating Systems.

**Module-II:**

Process Management- Multi- programming, Multi-processing, Multi-tasking, Multi-threading, Memory Management- virtual memory; User Interface.Evolution of programming language, Classification, Features and selection of programming language;Software – Definition,System Software , Application Software; Graphics and multimedia concepts.

**Module - III:**

Database Management Systems: Database; types of Database, components of a Database system. DBMS, components of DBMS; DBMS language, Advantage and limitations of Database, Database models.

**Module - IV:**

Basic concepts of Computer Networks, Internet and Security. Introduction to Networks: LAN, MAN, WAN, Topology, Data Communication, Transmission Media, Network Devices: Hubs, Switches, routers, repeaters. Introduction to Communication Protocol: TCP/IP, OSI model, Communication Connectivity: DSL, Dial-up, Broad Band. Internet and its Applications: Evolution of Internet, Basics of working of Internet, Service Providers, E-mail, Telnet, FTP, WWW. Internet Security: Types of attacks, DOS attacks, Viruses and Worms, Identity Theft, Snooping and Sniffing. Cyber Law and Internet security Legislation.

**Books:**

- Information Technology for Managers, Sudalaimuthu & Hariharan, HPH
- Understanding Computers Today & Tomorrow, D.Monley & CS Parker, Cengage/Thomson
- Introduction to Computer Science, IITL Education Solutions Ltd, Pearson
- Information Technology, Dr Sushila Madan, Taxmann