MDC-1: Introduction to Computers
3 Credits | 45 Minimum Class Hours | Semester
End Semester Exam 75 Marks

Objectives:

- To understand the basics of computer
- To learn the operating system of computer.
- To learn basic architecture of computer
- To know the practical application of various automation tool

Course Outcomes:
- The students will learn fundamental knowledge of computer,Microsoft tools, basic computer architecture and aspects of Internet.

SYLLABUS

Module – I

COMPUTER SCIENCE & OPERATING SYSTEMS
- **Types of Computer:** Analog, Digital, and Hybrid type, Hardware, Software, System software, Application software, Stored Program Concept and Von Newman
  Architecture, Firm ware, Human ware, Stored Program Concept, Evolution of computers, Generation of computer.
- **Data Organisation:** Organization Data, Character, Field, Record, File, Database, Sequential Access, Random Access, Indexed Sequential Access.
- **Data Communication:** Local Area Network, Wide Area Network, Satellite Communication, Internet.
- **Operating System:** Introduction, Different Operating Systems, Loading and Quitting the Operating Systems Important Windows Commands.

Module – II

WINDOWS/Linux Windows Introduction, Concepts different Operating System GUI/CUI. Desktop Icons. (Windows / Desktop Linux) ,My Computer, Recycle Bin, Internet Explorer, Network Neighbourhood, My Documents
Working with windows: How to create a Folder, Copying and cutting files, Renaming, Programs, Favourites, Documents, Settings, Find, Run, Shut down

Module – III

INTERNET: Understanding how to search Google, bookmarking and going to specific website, Copy and paste Internet content into your word file and emails, Understanding social media platforms such as Face book & many more

Module- IV

Wireless 3G,4G,Wi-Fi,Bluetooth,Cloud Computing

Reference Books:
1. Rajaraman V-Fundamentals of computers, Prentice Hall of India pvt ltd ,New Delhi
2. Peter Nortons ,"Introduction to Computer", TMH, 2004