

**RAMAKRISHNA MISSION VIDYAMANDIRA**  
**NEP Syllabus for MDC by Dept. of Computer Science**

**Semester-III**

**Course Type: Multi Disciplinary Course**

**Credit: 1**

**Marks: 25**

**Computer Science**

**Introduction to Computer Fundamentals:** CPU, Primary and Secondary Storage, I/O Devices, Concept of System and Application Software, Number System: Binary, Octal and Hexadecimal. [3L]

**Introduction to Programming:** Programming Concept: Flowcharts and Algorithms; Languages: Low-Level Language, High-Level Language. [3L]

**Operating Systems (OS):** Introductions to OS, OS as resource manager, Case study of Computer and mobile device OS, Introduction to Linux, OS Structure. [3L]

**Computer Network:** Introduction to Computer Network, Network Topology, Network Models OSI and TCP/IP, Functions of different layers of network models. [3L]

**AI & Data Analytics:** Introduction to AI, application of AI, Brief introduction to ML, What is Data Analytics. Hands on application of Data Analytics. [3L]