

Lesson Plan Multidisciplinary Program (Computer Science)
B.A. 1st Year (1st Semester)
(2025-26)

Month/Week	Topic to Cover
August 2025	Unit-I Introduction: Historical evolution of computing, Computers and their classification; Working of a computer; Block Diagram and its components; Characteristics, Benefits and Limitations of Computers. Human being Vs. Computer. Computer Codes and their types. Input and Output Devices: Introduction to I/O concepts, Hardcopy and Softcopy Devices; Keyboards, mouse, joysticks, trackballs, digitizer, voice-recognition, optical-recognition, scanners, terminals, point-of-sale terminals, machine-vision systems, Printer & its types.
September 2025	Unit-II Memory & Mass Storage Devices: Characteristics of memory systems, types of memory, RAM, ROM, magnetic disks-floppy disk, hard-disk; optical disks; Magnetic tapes; Concepts of Virtual and Cache memory Software and Operating System Concepts: Introduction, Software and its types, Language translators, Operating System and its Functions, Measuring System Performance, Assemblers, Compilers and Interpreters. Batch Processing, Multiprogramming, Multi-tasking, Multiprocessing, Time Sharing, DOS, Windows, Unix/Linux.
October 2025	Unit-III Problem Solving and Programming Languages: Concept of problem solving, Problem definition, Programming Languages and their classification, Problem solving with computer, Concept of a programming and design techniques, computer program lifecycle and program development process. Data Communication: Introduction, forms of data transmission, modem and its types, communication channels, data transmission modes. Computer Networks: Introduction to Computer Network, types of Computer Network, Network Topologies, Network Protocols, Applications of Computer Networks.

November 2025	<p>Unit-IV</p> <p>Internet: Introduction to Internet, WWW, Web Browsers, Evolution of Internet, Applications of Internet, Connecting to Internet, Internet tools.</p> <p>Electronic Mail: Introduction to E-mail, Setting Up an E-mail Account, Composing and Sending E-mails, E-mail Etiquette and Best Practices, Managing E-mails, Security and Privacy, Advanced E-mail Features, E-mail in Professional Settings, Troubleshooting Common E-mail Issues.</p> <p>Computer Applications: Computer applications in Artificial Intelligence, Banking, Education, Marketing, Desktop publishing, CAD/CAM, Project Management, Military, Sports, Research & Development.</p>
---------------	--

Krishna