



Course Outcomes for M.Sc. in Computer Science

It is designed to provide students with advanced knowledge and specialized skills in various areas of computer science. The course outcomes for M.Sc. in Computer Science program typically reflect the depth and breadth of learning expected at the graduate level. Here are some common course outcomes for M.Sc. in Computer Science:

- 1. Advanced Operating System**
 - Understand the Operating Systems Structure with example of Unix/Linux.
 - Learn the structure of files and directory in UNIX/LINUX OS.
 - Use various system calls related to file subsystem.
- 2. Artificial Intelligence**
 - Understand the fundamental concepts of Artificial Intelligence.
 - Identify and apply appropriate search strategies for AI problem.
 - Understand recent trends and future scope of AI.
- 3. Principles of Programming Language**
 - Understand their strengths and weaknesses
 - Learn new languages more quickly
 - Understand basic language implementation techniques
- 4. Cloud Computing**
 - To understand the importance of virtualization and how it has helped the development of cloud computing.
 - To understand the concept of cloud security.
- 5. Research Methodology**
 - Understand of the fundamental concepts of research, including the research process, research questions, hypotheses, and variables.
 - Develop a well-structured research proposal, outlining research questions, methodology, expected outcomes, and a rationale for the study.
- 6. Mobile App Development Technologies**
 - To provide students with a solid understanding of the mobile app development, Android operating system, its architecture, components, and the software development kit (SDK).
 - To teach students how to build Android applications from scratch, including UI design, handling user interactions, and integrating various features
- 7. Software Project Management**
 - Learn the skills that are required to ensure successful medium and large scale software projects.
 - Examine Requirements Elicitation, Project Management, Verification & Validation and Management of Large Software Engineering Projects
- 8. Full Stack Development**
 - Learn about the event loop, asynchronous programming, modules, packages, and streams.
 - Learn about the MVC pattern, routing, HTTP requests and responses, middleware, and error handling.


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