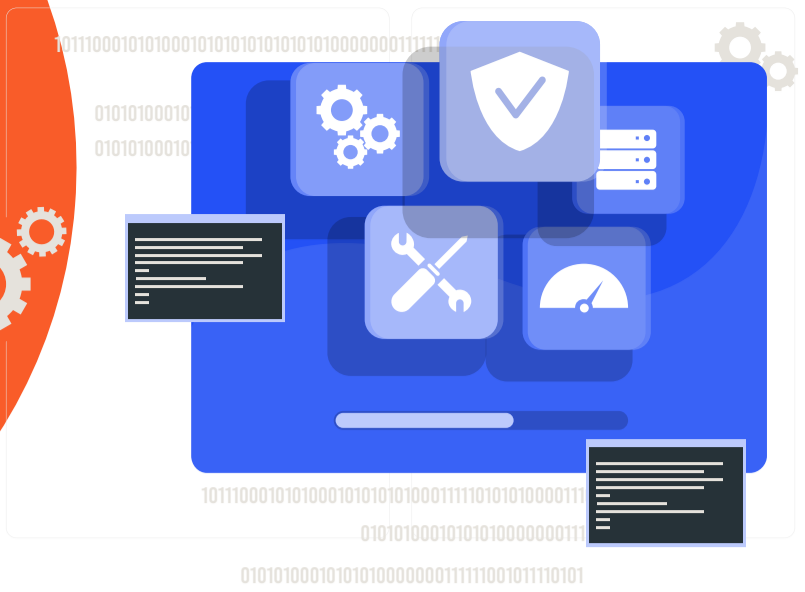


Operating System

Instructor
Krishna T

Class Details & Topics covered 



Classes **1 to 3**

Process

- Operating System
- Kernel
- Process State Diagram
- CPU Scheduling

Classes **4 & 5**

Threads

- Single Thread Process
- Thread Models
- ULT vs KLT
- Fork vs Multithreading

Classes **6 & 10**

Process Synchronization

- Critical Section
- Lock Variable
- Peterson
- Shared Memory Model
- Strict Alternation
- Semaphore

Classes **11 & 12**

Deadlocks

- Characteristics
- Avoidance
- Prevention
- Banker Algorithm

Classes **13 to 16**

Memory Management

- Fixed Partitioning
- Paging
- Virtual Memory
- Dynamic Partitioning
- Segmentation
- Page Replacement Algorithms

Classes **17 to 20**

File Systems & IO

- Disk Structure
- File Structure
- Disk Scheduling
- FAT & Inode