

Syllabus

Course Type: Engineering

Course : Diploma

Year/sem: 3 Sem

Branch : CSE

Created By:

Operating System

CS1302

Unit	Sub Unit	Topic	Duration
Unit 1		Compiler, Assembler, Loader,, Operating system, Linking, Loading and Executing a Program,, Definition of Operating Systems, Functions of Operating System,, Types of Operating Systems, Batch Processing, Time Sharing, Multiprogramming, Multiprocessing, Real Time Systems, Distributed Systems,Importance of Operating Systemt	8
Unit 2		Job Scheduler, Scheduling Criteria, Process Scheduler, Scheduling algorithms, Process synchronization, Critical section, Introduction and necessary conditions of dead lock, , Dead lock avoidance, Dead lock detection, Dead lock Recovery	8
Unit 3		Introduction, Logical and Physical address space, Virtual memory, Swapping, , Single contiguous memory management, Fixed partition, Contiguous allocation, Paging, Segmentation, Demand paging, Page replacement algorithms, Thrashing	7
Unit 4		Dedicated Devices, Shared Devices, Virtual Devices, Storage Devices, Buffering, Spooling	6
Unit 5		File concept, Access Methods, Directory Structure, Protection, File system structure, allocation methods, Directory implementation	7