

SYLLABUS :-

Pre-requisites: None Overview, Sequential Processes, Bankers Algorithms, Concurrency, Functional Systems, Mutual Exclusion, Processes Cooperation, Process Communication, Semaphores, Conditional Critical Regions, Event Queues, Deadlock, Processor Management, Short term and Long term scheduling problems, Scheduling algorithms, Queuing system model, Non pre-emptive Scheduling, Pre-emptive Scheduling, Virtual Memory, Storage Management, I/O Programming and Interrupt Structures, Device Management, Information Management, Security. Distributed Operating Systems Concept, File Systems, Mode of Computation, Load Balancing, Event Ordering, Synchronization, Distributed Mutual Exclusion, Drinking Philosophers Problem, Deadlocks in Distributed Systems, Feature of UNIX.