



C-DAC & Gujarat Technological University
M.E. Computer Engineering
(IT Systems and Network Security)
Gandhinagar

Semester: I

Subject Name: Advanced Operating System and Management

Subject Code: 2715102

Course Content:

Over view of Distributed Operating systems: architectures, theoretical foundations, distributed mutual exclusion, Distributed deadlock detection, agreement protocols, resource management, distributed file systems, distributed shared memory, distributed scheduling, failure recovery, resource security and protection, Configuring Services Registry settings, System Configuration Settings, Manage Users Manage the system, Supporting address translation (NAT), Introduction to Performance Tuning, Maintenance and troubleshooting Introductions Microsoft Windows Vista/XP/ 2008 security.

Text Book:

1. Advanced Concepts In Operating Systems, Singhal, TMH

Reference Book:

1. Distributed Operating Systems, Tanenbaum