GUJARAT UNIVERSITY

K. S. SCHOOL OF BUSINESS MANAGEMENT
[Five Years' (Full-time) Integrated Degree Course]

Semester-9 [M.Sc. (CA & IT)]

Subject Code: - KS_C_FC-592
Subject Name: - Network Administration
Course Credit: - 2

Objective:

This Subject explicit IT network design, implementation and optimization. It exists a wide variety of software and hardware products that help to administrators manage a network.

Establish a strong conceptual foundation of the TCP/IP protocol stack, services and related tools/technologies .Give in-depth understanding of all the commonly used protocols used in the TCP/IP protocol stack. Strong conceptual foundation for TCP/IP which can be leveraged for studying advanced topics in TCP/IP, dissertation, System Development Project and further studies.

Unit No.	Course Content	Weight-age (%)
1	Overview of Linux Distros, Installation and Package Management, File System Management, Boot Sequence, Run levels, Configuring Environment Setting.	**(20%)**
2	Network Interfaces, Network Management Configuration, Configuration DHCP, Configuration DNS, FTP Services.	**(20%)**
3	HTTP Services, Mail Services, Proxy Server, Open SSH, Authentication Configuration.	**(20%)**
4	Process Management, Automated tasks, Archiving Network Access. Introduction of Window Server, Installation Overview of Active Directory Infrastructure, Configuring ADDS	**(20%)**
5	Configuring Remote Desktop Services Configuring Addressing & Services Configuring Name Resolution Monitoring & Management	**(20%)**

Recommended Lecture Scheme: Approximately 30 to 35 hours in a semester

Recommended Practical Scheme: Not Applicable

Assignment: Minimum five assignments should be given.

Main Reference Book:

Silas D et at " Red Hat Enterprise Linux 6 Deployment Guide"
Linux Complete Reference – 6th Edition
Microsoft Server 2012(70-411)