



C-DAC & Gujarat Technological University
M.E. Electronics & Communication Engineering
(VLSI & Embedded Systems Design)
Gandhinagar

Semester: I

Subject Name: Network Programming

Subject Code: 2715202

Overview of computer networks, inter process communication, TCP/IP introduction, Elementary TCP sockets, TCP/IP Client/Server Examples, Elementary sockets, network programming, socket interface, Elementary UDP sockets, Data link socket structures, client server computing model, design issues, concurrency in server and clients, external data representation, remote procedural calls, Multicasting, Broadcasting.

Reference:

1. UNIX Network Programming: The sockets networking API W. Richard Stevens, Bill Fenner, Andrew M. Rudoff, Addison Wesley
2. Data Communication & Networking Forouzan
3. Fundamentals of Principles, Technologies computers and And Protocols For Network networks , Natalia Olifer/Wiley
4. Linux socket programming by example Warren W. Gay, Warren Gay