

**SARDAR VALLABHBHAI PATEL INSTITUTE OF TECHNOLOGY  
(S.V.I.T.) VASAD**

**Information Technology Department**

**Computer Networks (2140709)**

**Mid sem Exam Syllabus (Only for IT)**

**Ch-1 Introduction to computer networks and Internet:**

Understanding of network and Internet, The network edge, The network core, Understanding of Delay, Loss and Throughput in the packet-switching network, protocols layers and their service model, History of the computer network.

**CH-2 Application Layer:**

Principles of computer applications, Web and HTTP, E-mail, DNS, Socket programming with TCP and UDP.

**CH-3 Transport Layer:**

Introduction and transport layer services, Multiplexing and Demultiplexing, Connection less transport (UDP), Principles of reliable data transfer, Connection oriented transport (TCP), Congestion control.

**CH-4 Network Layer:**

Introduction, Virtual and Datagram networks, study of router, IP protocol and addressing in the Internet.

Subject Coordinator  
Prof: Pravin K. Jadav  
IT Dept.  
SVIT -VASAD