

SYLLABUS :-

Introduction to networks and layered architecture. Data communication concepts, transmission media and topology, multiplexing. circuit switching and packet switching, data link layer, layer 2 switches and ATM switches, SONET/SDH. Medium access control. CSMA CD, TDMA, FDMA, CDMA. Network layer and addressing, IP version 4 and 6. Routing algorithms. Transmission layer, TCP and UDP. Congestion control techniques. WAN, ATM. Internetworking. Wireless communications. Network management and security.