11IT305 MULTIMEDIA COMMUNICATION

Credits: 4:0:0

Course Objectives:
- To learn the multimedia communication standards and compression techniques.
- To learn the Internet protocols.
- To learn the Multimedia communication across the networks.

Unit I
Multimedia Communications: Introduction-Multimedia networks-Multimedia applications-Applications and networking terminology- Audio compression and Video Compression

Unit II
Standards for Multimedia Communications: Introduction-Reference models-Standards relating to interpersonal communications-Standards relating to interactive applications over the Internet-Standards for entertainment applications. Digital communication basics: Transmission media-Sources of signal impairment-Asynchronous transmission-Synchronous transmission-Error Detection methods

Unit III
The Internet: IP datagrams-Fragmentation and reassembly-IP addresses-ARP and RARP-Routing algorithms-ICMP-QoS support-The PPP link layer protocol-IPv6-IPv6/IPv4 interoperability

Unit IV

Unit V

Text Books:

Reference Book: