

**Course:** Data Communication

Course Code: (15CS46)

Scheme:2015

Sem : 4

	Course Outcome	POs/ PSOs	CL	Class Sessions (approximate)	Tutorial (Hrs)	Lab Sessions (Hrs)
CO 1	Understand the importance of data communication, various types of computer networks, Internet, Ethernet Standards, HDLC, PPP	PO1/ PSO3	U	11	NA	NA
CO 2	Remember the Layered architecture of Open System Interconnection (OSI) and Transmission Control Protocol / Internet Protocol (TCP/IP) models.	PO1/ PSO3	R	9	NA	NA
CO 3	Understand conversion of signals from Digital to Digital, Analog to Digital & Digital to Analog conversion	PO1 PO3/ PSO3	U	8	NA	NA
CO 4	Analyze Error detection and correction techniques, Flow control & error control	PO1/ PSO3	A	8	NA	NA
CO 5	Understand operations of Channelization protocols and Random Access protocols	PO1/ PSO3	R	8	NA	NA
CO 6	Understand the working of 802.11, Cellular Telephony, Bluetooth, IPv4 and IPv6 Addresses.	PO1/ PSO3	U	8	NA	NA
Total Hours of instruction				52		