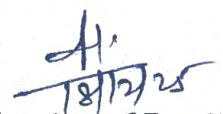
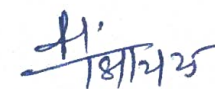


Academic Lesson Plan of SUMMER 2026

Department : CSE	Semester : 4TH	Name of the teaching faculty: PRANATI PATTNAIK
Subject: COMPUTER NETWORKS	No. of days/per week class allotted . 3p/week.	Semester from :22nd December 2026
		No. of weeks:15 weeks
		Topics to be covered:
1st week	1st	Introduction to computer networks
	2nd	Network Models
	3rd	Network Models
2nd week	1st	OSI Reference Model, The layer architecture
	2nd	OSI Reference Model, The layer architecture
	3rd	TCP/IP Model
3rd week	1st	TCP/IP Model
	2nd	4LayerofTCP/IP suite
	3rd	Transmission Media–Principles and issues
4th week	1st	Wired Media-Coaxial, UTP, STP
	2nd	Fiber Optic Cables -Single Mode & Multimode.
	3rd	Wireless Media–HF, VHF, UHF, Microwave, Ku Band, WIFI 802.11 a/b/g/n/ac
5th week	1st	Wireless Media–HF, VHF, UHF, Microwave, Ku Band, WIFI 802.11 a/b/g/n/ac
	2nd	CellularData-2G,3G,4G,&5G
	3rd	Network topologies
6th week	1st	Network topologies
	2nd	Design issues
	3rd	DLL protocols (Ethernet, WLAN, Bluetooth)
7th week	1st	DLL protocols (Ethernet, WLAN, Bluetooth)
	2nd	Switching Techniques, VLAN
	3rd	Switching Techniques, VLAN
8th week	1st	Design issues
	2nd	Internet Protocols (IPv4& IPv6)
	3rd	Routing–principles and issues
9th week	1st	Routing–principles and issues
	2nd	Routing Algorithms: Distance-vector, Link-state
	3rd	Routing Algorithms: Distance-vector, Link-state
10th week	1st	Routing Protocols: RIP, OSPF
	2nd	Routing Protocols: RIP, OSPF
	3rd	Transport Layer: • Design issues
11th week	1st	UDP&TCP
	2nd	UDP&TCP
	3rd	UDP&TCP
12th week	1st	Application Layer: • Design Issues • DNS
	2nd	DHCP
	3rd	SNMP
13th week	1st	FTP & TFTP
	2nd	SMTP
	3rd	WWW
14th week	1st	Telnet & SSH
	2nd	NIC
	3rd	Hub
15th week	1st	Switch-Core, Distribution & Access Switches
	2nd	Router
	3rd	WiFi Access-Point & Wireless LAN Controller


 Signature of Faculty


 HOD, CSE