KIIT POLYTECHNIC, BHUBANESWAR

LESSON PLAN

Session (2022 -2023)

Discipline: Electronics & Telecommunication Engineering	Semester: 4th, Summer /2023	Name of the faculty: Amalendu Pradhan Email Id: amalendufcs@kp.kiit.ac.in
Subject: Networking Lab (Pr-2)	No. of Days/week: 02 (2 periods / Day) Experiments will be performed in groups of 30 students	Start Date: 13/02/2023 End Date: 23/05/2023

Week	Class Day	Practical Topics
1st	1st	Recognize the physical topology and cabling (coaxial, OFC, UTP, STP) of a network.
	2nd	Recognition and use of various types of connectors RJ-45, RJ-11,BNC and SCST
2nd	1st	Repeat Class/Defaulter
	2nd	Making of cross cable and straight cable
3rd	1st	Repeat Class/Defaulter
	2nd	Repeat Class/Defaulter
4th	1st	Install and configure a network interface card in a workstation.
	2nd	Identify the IP address of a workstation and the class of the address andconfigure theIP Address on a workstation
5th	1st	Repeat Class/Defaulter
	2nd	Managing user accounts in windows and LINUX
6th	1st	Repeat Class/Defaulter
	2nd	Sharing of Hardware resources in the network
7th	1st	Use of Netstat and its options.
	2nd	Repeat Class/Defaulter
8th	1st	Connectivity troubleshooting using PING, IPCONFIG
	2nd	Repeat Class/Defaulter
9th	1st	Installation of Network Operating System(NOS)
	2nd	Create a network of at least 6 computers.
10th	1st	Study of Layers of Network and Configuring Network Operating System
	2nd	Repeat Class/Defaulter
11th	1st	Study of Routing and Switching, configuring of Switch and Routers, troubleshooting ofnetworks
	2nd	Repeat Class/Defaulter
12th	1st	Study of Scaling of Networks, Design verities of LAN and forward of Traffic
	2nd	Study WAN concepts and Configure and forward Traffic in WAN
13th	1st	Configure IPv4 and IPv6 and learn Quality, security and other services
	2nd	Learn Network programming

14th	1st	Troubles shoot Networks.
	2nd	Practice Test
15th	1st	ASSESSMENT
	2nd	ASSESSMENT