

Lesson Plan

Discipline: Computer science & Engg	Semester: forth(4th)	Name of the Faculty: Er
Subject: Networking lab	No. of days/week class allotted: Three (3)	Semester from Date: 14.02.23 to Date: 23.05.23 No. of Weeks: 15
WEEK	CLASS DAY	PRACTICAL EXPERIMENTS
1 st	1 st	Recognize the physical topology and cabling (coaxial, OFC, UTP, STP) of a network.
	2 nd	
	3 rd	Review Class
2 nd	1 st	Recognition and use of various types of connectors RJ-45, RJ-11,BNC and SCST Making of cross cable and straight cable
	2 nd	
	3 rd	Review Class
3 rd	1 st	Install and configure a network interface card in a workstation
	2 nd	
	3 rd	Review Class
4 th	1 st	Identify the IP address of a workstation and the class of the address and configure the IP Address on a workstation
	2 nd	
	3 rd	Review Class
5 th	1 st	Managing user accounts in windows and LINUX
	2 nd	
	3 rd	Review Class
6 th	1 st	Sharing of Hardware resources in the network.
	2 nd	
	3 rd	Review Class
7 th	1 st	Use of Net stat and its options. Connectivity troubleshooting using PING, IPCONFIG
	2 nd	
	3 rd	Review Class

8 th	1 st	Installation of Network Operating System(NOS)
	2 nd	
	3 rd	Review Class
9 th	1 st	Create a network of at least 6 computers.
	2 nd	
	3 rd	Review Class
10 th	1 st	Study of Layers of Network and Configuring Network Operating System
	2 nd	
	3 rd	Review Class
11 th	1 st	Study of Routing and Switching, configuring of Switch and Routers, troubleshooting of networks
	2 nd	
	3 rd	Review Class
12 th	1 st	Study of Scaling of Networks, Design verities of LAN and forward of Traffic
	2 nd	
	3 rd	Review Class
13 th	1 st	Study WAN concepts and Configure and forward Traffic in WAN Configure IPv4 and IPv6 and learn Quality, security and other services
	2 nd	
	3 rd	Review Class
14 th	1 st	Learn Network programming
	2 nd	
	3 rd	Review Class
15 th	1 st	Troubles shoot Networks.
	2 nd	
	3 rd	Review Class