

LESSON PLAN 2024 (SUMMER)

Discipline: Information Technology	Semester: 4th	Name of the Teaching faculty: Swetalina Das
Subject: Networking Lab	No. of Days/per week class allotted : 03 days 06 classes	Semester from date : 16/01/2024 to 26/04/2024 No. of weeks : 15
Week	Class Day	Theory / Practical Topics
1 st	1 st	Recognize the physical topology
	2 nd	Cabling coaxial of a network
2 nd	1 st	Cabling OFC of a network,
	2 nd	Cabling UTP of a network
	3 rd	Cabling STP of a network.
3 rd	1 st	Recognition and use of connectors RJ-45
	2 nd	Recognition and use of RJ-11
	3 rd	Recognition and use of BNC
	4 th	Recognition and use of SCST
4 th	1 st	Making of cross cable
	2 nd	Making of straight cable
	3 rd	Install and configure a network interface card in a workstation.
5 th	1 st	Identify the IP address of a workstation and the class of the address
	2 nd	Configure the IP Address on a workstation
	3 rd	Managing user accounts in windows
6 th	1 st	Managing user accounts in windows LINUX
	2 nd	Sharing of Hardware resources in the network.
	3 rd	Use of Netstat and its options.
7 th	1 st	Connectivity troubleshooting using PING
	2 nd	Connectivity troubleshooting using IPCONFIG
8 th	1 st	Installation of Network Operating System (NOS)
	2 nd	Create a network of at least 6 computers.
	3 rd	Practice of creating network
9 th	1 st	Study of Layers of Network
	2 nd	Configuring Network Operating System
	3 rd	Study of Routing
10 th	1 st	Study of switching
	2 nd	Configuring of Switch
	3 rd	Configuring of routers
11 th	1 st	Troubleshooting of networks
	2 nd	Study of Scaling of Networks,
	3 rd	Design varieties of LAN and forward of Traffic
12 th	1 st	Study WAN concepts
	2 nd	Configure WAN and forward Traffic in WAN

	3 rd	Practice of Configuring WAN
13 th	1 st	Configure IPv4 and learn Quality
	2 nd	Learn security and other services
	3 rd	Configure IPv6 and learn Quality
14 th	1 st	Learn security and other services
	2 nd	Learn Network programming, Practice of network programming,
	3 rd	Troubles shoot Networks
15 th	1 st	Practice/Doubt clearing
	2 nd	Viva Questions Discussion
	3 rd	Quiz Test of Practical


Signature of faculty