

BLACK DIAMOND SCHOOL OF ENGINEERING, JHARSUGUDA

LESSON PLAN

Session (2022 -2023)

Discipline: Computer Science & Engineering	Semester: 4th, Summer -2023	Name of the faculty: JUGESH BESAN Email d: jugeshbesan2016@gmail.com
Subject: Networking Lab (Pr-2)	No. of Days/week: 02 (3 periods / Day)	Start Date: 13/02/2023 End Date: 23/05/2023

Week	Class Day	Practical Topics
1 st	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
2 nd	1st	Revision /Assessment
	2nd	Making of cross cable and straight cable
3 rd	1st	Revision /Assessment
	2nd	Revision /Assessment
4 th	1st	Install and configure a network interface card in a workstation.
	2nd	Revision /Assessment
5 th	1st	Identify the IP address of a workstation and the class of the address and configure the IP Address on a workstation
	2nd	Revision /Assessment
6 th	1st	Managing user accounts in windows and LINUX
	2nd	Sharing of Hardware resources in the network
7 th	1st	Revision /Assessment
	2nd	Use of Netstat and its options
8 th	1st	Revision /Assessment
	2nd	Connectivity troubleshooting using PING, IPCONFIG
9 th	1st	Revision /Assessment
	2nd	Installation of Network Operating System(NOS)
10 th	1st	Create a network of at least 6 computers.
	2nd	Study of Layers of Network and Configuring Network Operating System
11 th	1st	Revision /Assessment
	2nd	Study of Routing and Switching, configuring of Switch and Routers, troubleshooting of networks
12 th	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

13 th	1st	Configure IPv4 and IPv6 and learn Quality, security and other services
	2nd	Learn Network programming
14 th	1st	Troubles shoot Networks.
	2nd	Revision /Assessment
15 th	1st	Practice Test
	2nd	Practice Test