

**PNS SCHOOL OF ENGG. & TECH., MARSHAGHAI DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING  
LESSON PLAN**

<b>BRANCHE: CSE</b>	<b>SEMESTER : 4TH</b>	<b>NAME OF TEACHING FACULTY : ER. BALARAM DAS</b>
<b>SUBJECT: NETWORKING LAB</b>	<b>NO. OF DAYS/ PER WEEK CLASS ALLOTTED : 2</b>	<b>SEMESTER FROM DATE : 04.02.2025 TO 17.05.2025 NO. OF WEEKS : 12</b>
<b>WEEK</b>	<b>CLASSDAY</b>	<b>PRATICAL TOPICS</b>
1ST	1ST	1. Study about Network Topology
	2ND	2. Study about Network Cables & Connectors.
2ND	1ST	3. How to make Straight Through and Crossover Cable.
	2ND	4. Install and configure a network interface card and Identify the IP address in a workstation
3RD	1ST	5. Identify the IP address of a workstation and the class of the address and configure the IP Address on a workstation
	2ND	6. Manage User account on Windows and linux.
4th	1ST	7. Sharing of Hardware resources in the network.
	2ND	8. Use of Netstat and its options.
5th	1ST	9. Connectivity troubleshooting using PING, IPCONFIG
	2ND	10. Installation of Network Operating System(NOS)
6th	1ST	11. Create a network of at least 6 computers.
	2ND	12. Study of Layers of Network and Configuring Network Operating System
7th	1ST	13. Study of Routing and Switching, configuring of Switch and Routers,
	2ND	12. Study of Layers of Network and Configuring Network Operating System
8th	1ST	13. Study of Routing and Switching, configuring of Switch and Routers, troubleshooting of networks
	2ND	
9th	1ST	14. Study of Scaling of Networks, Design verities of LAN and forward of Traffic
	2ND	15. Study WAN concepts and Configure and forward Traffic in WAN
10th	1ST	16. Configure IPv4 and IPv6 and learn Quality, security and other services
	2ND	
11th	1ST	17. Learn Network programming
	2ND	
12th	1ST	18. Troubles shoot Networks.
	2ND	
Signature of the Demonstrator		Signature of the H.O.D