UTKAL GOURAV MADHUSUDAN INSTITUTE OF TECHNOLOGY, RAYAGADA
Department of Electronics & Telecommunication Engineering

Academic Lesson Plan for 4th Semester - 2022 (Summer)
Subject: NETWORKING LAB (Pr. 2)
Name of the teaching faculty- Sri Sisira Kumar Kapat, Lecturer(Comp. Appl.),

SEMESTER FROM DATE:10/03/22 TO DATE:30/06/2022	No. of periods per week: 4 NO.OF WEEKS:15 Total periods: 60	Sessional : 25 Marks End Semester Exam.: 50 Marks Total Marks: 75 Marks

WEEK	CLASS DAY	THEORY/PRACTICAL TOPICS
1ST	1ST	1. Recognize the physical topology and cabling (coaxial, OFC, UTP, STP) of a network
	2ND	1. Recognize the physical topology and cabling (coaxial, OFC, UTP, STP) of a network
	3RD	1. Recognize the physical topology and cabling (coaxial, OFC, UTP, STP) of a network
	4TH	1. Recognize the physical topology and cabling (coaxial, OFC, UTP, STP) of a network
2ND	1ST	2. Recognition and use of various types of connectors RJ-45, RJ-11,BNC and SCST
	2ND	2. Recognition and use of various types of connectors RJ-45, RJ-11,BNC and SCST
	3RD	3. Making of cross cable and straight cable
	4TH	3. Making of cross cable and straight cable
3RD	1ST	3. Making of cross cable and straight cable
	2ND	3. Making of cross cable and straight cable
	3RD	3. Making of cross cable and straight cable
	4TH	3. Making of cross cable and straight cable
4TH	1ST	4. Install and configure a network interface card in a workstation
	2ND	4. Install and configure a network interface card in a workstation
	3RD	4. Install and configure a network interface card in a workstation
	4TH	5. Identify the IP address of a workstation and the class of the address and configure the IP Address on a workstation
5TH	1ST	5. Identify the IP address of a workstation and the class of the address and configure the IP Address on a workstation
	2ND	5. Identify the IP address of a workstation and the class of the address and configure the IP Address on a workstation
	3RD	6. Managing user accounts in windows and LINUX
	4TH	6. Managing user accounts in windows and LINUX
6TH	1ST	7. Sharing of Hardware resources in the network.
	2ND	7. Sharing of Hardware resources in the network.
	3RD	7. Sharing of Hardware resources in the network.
	4TH	7. Sharing of Hardware resources in the network.
7TH	1ST	8. Use of Netstat and its options
	2ND	8. Use of Netstat and its options
	3RD	8. Use of Netstat and its options
	4TH	8. Use of Netstat and its options
8TH	1ST	9. Connectivity troubleshooting using PING, IPCONFIG
	2ND	9. Connectivity troubleshooting using PING, IPCONFIG
	3RD	9. Connectivity troubleshooting using PING, IPCONFIG
	4TH	10. Installation of Network Operating System(NOS)
9TH	1ST	10. Installation of Network Operating System(NOS)
	2ND	10. Installation of Network Operating System(NOS)
	3RD	11. Create a network of at least 6 computers

	4TH	11. Create a network of at least 6 computers
10TH	1ST	11. Create a network of at least 6 computers
	2ND	12. Study of Layers of Network and Configuring Network Operating System
	3RD	12. Study of Layers of Network and Configuring Network Operating System
	4TH	12. Study of Layers of Network and Configuring Network Operating System
11TH	1ST	13. Study of Routing and Switching, configuring of Switch and Routers, troubleshooting of networks
	2ND	13. Study of Routing and Switching, configuring of Switch and Routers, troubleshooting of networks
	3RD	13. Study of Routing and Switching, configuring of Switch and Routers, troubleshooting of networks
	4TH	13. Study of Routing and Switching, configuring of Switch and Routers, troubleshooting of networks
12TH	1ST	14. Study of Scaling of Networks, Design verities of LAN and forward of Traffic
	2ND	14. Study of Scaling of Networks, Design verities of LAN and forward of Traffic
	3RD	14. Study of Scaling of Networks, Design verities of LAN and forward of Traffic
	4TH	14. Study of Scaling of Networks, Design verities of LAN and forward of Traffic
13TH	1ST	15. Study WAN concepts and Configure and forward Traffic in WAN
	2ND	15. Study WAN concepts and Configure and forward Traffic in WAN
	3RD	15. Study WAN concepts and Configure and forward Traffic in WAN
	4TH	16. Configure IPv4 and IPv6 and learn Quality, security and other services
14TH	1ST	16. Configure IPv4 and IPv6 and learn Quality, security and other services
	2ND	16. Configure IPv4 and IPv6 and learn Quality, security and other services
	3RD	17. Learn Network programming
	4TH	17. Learn Network programming
15TH	1ST	17. Learn Network programming
	2ND	18. Troubles shoot Networks
	3RD	18. Troubles shoot Networks
	4TH	18. Troubles shoot Networks