



Fr. Conceicao Rodrigues College of Engineering

Father Agnel Ashram, Bandstand, Bandra –west, Mumbai-50

Department of Computer Engineering

Practical Plan

| Class: TE COMP B | | Weekly Schedule: | | | | |
|--|---|---------------------------------|-------|--------------|-------------|--------|
| Course name/code: CSL 502 | | Batch A: Tuesday 11.00-1.00pm | | | | |
| Academic Year: 2023-24 | | Batch B: Monday 11.00-1.00pm | | | | |
| Name of the teacher | | Batch C: Thursday 11.00-1.00pm | | | | |
| Jagruti Nagaonkar | | Batch D: Wednesday 11.00-1.00pm | | | | |
| Course Outcomes: | | | | | | |
| CSL502.1 : Design and setup networking environment in Linux. | | | | | | |
| CSL 502.2: Use Network tools and simulators such as NS2, Wireshark etc. to explore networking algorithms and protocols | | | | | | |
| CSL 503.3 :Implement programs using core programming APIs for understanding networking concepts. | | | | | | |
| | | | | | | |
| Sr. No. | Title of experiment | Course Outcomes | Batch | Planned date | Actual date | Remark |
| 1 | Use basic networking commands in Linux (ping, tracert, nslookup, netstat, ARP, RARP, ip, ifconfig, dig, route) | CO1 | A | 25.7.23 | | |
| | | | B | 24.7.23 | | |
| | | | C | 27.7.23 | | |
| | | | D | 26.7.23 | | |
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| 2 | Build a simple network topology and configure it for static routing protocol using packet tracer. Setup a network and configure IP addressing, subnetting, masking. | CO2 | A | 1.8.23 | |
| | | | B | 31.7.23 | |
| | | | C | 3.8.23 | |
| | | | D | 2.8.23 | |
| 3 | . Implementation of bit stuffing and unstuffing algorithm | CO3 | A | 8.8.23 | |
| | | | B | 7.8.23 | |
| | | | C | 10.8.23 | |
| | | | D | 9.8.23 | |
| 4 | Use Wire shark to understand the operation of TCP/IP layers | CO2 | A | 22.8.23 | |
| | | | B | 14.8.23 | |
| | | | C | 17.8.23 | |
| | | | D | 23.8.23 | |
| 5 | Design VPN and Configure RIP/OSPF using Packet tracer. | CO2 | A | 5.9.23 | |
| | | | B | 21.8.23 | |
| | | | C | 24.8.23 | |
| | | | D | 6.9.23 | |
| 6 | Socket programming using TCP or UDP | CO3 | A | 12.9.23 | |
| | | | B | 4.9.23 | |
| | | | C | 31.8.23 | |
| | | | D | 13.9.23 | |
| 7 | Use simulator (Eg. NS2) to understand functioning of ALOHA, CSMA/CD | CO2 | A | 26.9.23 | |
| | | | B | 11.9.23 | |
| | | | C | 7.9.23 | |
| | | | D | 27.9.23 | |



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| 8 | Use of the IP address and the subnet mask to find various addresses | CO3 | A | 26.9.23 | |
| | | | B | 18.9.23 | |
| | | | C | 14.9.23 | |
| | | | D | 27.9.23 | |
| 9 | To implement Dijkstra's algorithm to find the least cost path to the destination nodes | CO3 | A | 3.10.23 | |
| | | | B | 25.9.23 | |
| | | | C | 5.10.23 | |
| | | | D | 4.10.23 | |
| 10 | Perform File Transfer and Access using FTP | CO1 | A | 3.10.23 | |
| | | | B | 25.9.23 | |
| | | | C | 5.10.23 | |
| | | | D | 4.10.23 | |