

**NEXT GENERATION NETWORKS LAB****Paper Code: ETIT-458(ELECTIVE-II)****L T/P C****Paper: Next Generation Networks Lab****0 2 1****List of Experiments:**

1. Overview of IP Address
2. Design Ethernet Cables : Cross Cable, Straight Cable, Rollover Cable
3. Demonstrate to connect two computer without connecting devices
4. Demonstrate to connect two computer with connecting devices
5. Demonstrate to establish client-server connection with using of windows server 2008
6. Use of policies in Windows Server 2008
7. Overview of Router
8. Demonstrate the use of router to make a connection
9. Introduction to Network Address Translation
10. Overview of different interfaces in router
11. Implement IP Subnetting in IPV4
12. Implement IP routing using RIP
13. Implement IP routing using IGRP
14. Implement IP routing using EIGRP
15. Implement IP routing using OSPF
16. Configuration of VLAN
17. Configuration of VTP
18. Managing traffic with Standard IP Access List
19. Managing traffic with Extended IP Access List
20. Overview of MPLS

**NOTE:- At least 8 Experiments out of the list must be done in the semester.**


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