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| **Exp. No** | **Experiment** |
| 1.  . | Configuration of Topologies using Packet Tracer (Star, Mesh, Tree,)  <https://www.youtube.com/watch?v=_eRKAK8Lmtk> |
| 2. | Configuration of Topologies using Packet Tracer (Bus, Ring, Hybrid)  <https://www.youtube.com/watch?v=_eRKAK8Lmtk> |
| 3. | Configuration of Network Devices using Packet Tracer (Hub, Switch, Ethernet, Broadcast)  <https://www.youtube.com/watch?v=0Eu4nkPwTOw> |
| 4. | Data Link Layer Traffic Simulation using Packet Tracer Analysis of CSMA/CD & CSMA/CA  <https://www.youtube.com/watch?v=KiUaDqu1LpI> |
| 5. | Data Link Layer Traffic Simulation using Packet Tracer Analysis of ARP  <https://www.youtube.com/watch?v=Dn2sQA5QAiw> |
| 6. | Data Link Layer Traffic Simulation using Packet Tracer Analysis of LLDP  <https://www.youtube.com/watch?v=ziDv9esbEG0> |
| 7. | Static Routing using Packet Tracer  <https://www.youtube.com/watch?v=ziDv9esbEG0> |
| 8. | Dynamic Routing using Packet Tracer (OSPF)  <https://www.youtube.com/watch?v=3SHtTW3EFuc> |
| 9. | Subnetting – Class C Addressing  <https://www.youtube.com/watch?v=HsBJG2tIWmk> |
| 10. | Functionalities of TCP, UDP  <https://www.youtube.com/watch?v=2Ax2k_g-2_E>  <https://www.youtube.com/watch?v=gFRux1w3QLk>  <https://www.youtube.com/watch?v=4Shfga_7dTU> |
| 11. | TCP, UDP Exploration Solution  <https://www.youtube.com/watch?v=2Ax2k_g-2_E&t=33s> |
| 12. | Simulating X, Y, Z Company Network Design and simulate using Packet Tracer  [Part#2 Networking Project Simulating XYZ Company Network Design Using Cisco Packet Tracer - YouTube](https://www.youtube.com/watch?v=kqoSYlqEu64) |
| 13. | Configuration of DHCP (dynamic host configuration protocol) in packet tracer  [DHCP Server Configuration in Cisco Packet Tracer (Example 2 video) - YouTube](https://www.youtube.com/watch?v=aBrHd69YROI) |
| 14. | Configuration of firewall in packet tracer  [Firewall Configuration using Cisco Packet Tracer | Network Security | Packet Tracer - YouTube](https://www.youtube.com/watch?v=yLOYd87z2jg) |
| 15. | Make a Computer Lab to transfer a message from one node to another to design and simulate using Cisco Packet Tracer  [How to make Computer Lab's in Packet Tracer | Mini Project - YouTube](https://www.youtube.com/watch?v=UFy0icmOI0k) |
| 16. | Simulate a Multimedia Network using Cisco packet tracer  [Packet Tracer - How to Simulate a Multimedia Network - YouTube](https://www.youtube.com/watch?v=9SCHbgC8tP4) |
| 17. | AAA Local & Server Based Authentication Configuration in Cisco Packet Tracer  [AAA Local and Server based Authentication Configuration in Packet Tracer - YouTube](https://www.youtube.com/watch?v=04sYhU32S0k) |
| 18. | WLAN Using Cisco Packet Tracer  [How to Configure Wireless LAN (WLAN) in Packet Tracer (AP & WLC) - YouTube](https://www.youtube.com/watch?v=GXbL3p6KHlc) |
| 19. | IOT Based Smart Home Using Cisco Packet Tracer  <https://www.youtube.com/watch?v=DImMM-AgiQ4> |
| 20. | Smart Garden in Cisco Packet Tracer  <https://www.youtube.com/watch?v=DdeXrsMFnq4> |
| 21. | IOT Devices in Networking Using Cisco Packet Tracer  <https://www.youtube.com/watch?v=awX_e4FcVDk> |
| 22. | IOT Based Smart Home using WPA Security & Radius Server  <https://www.youtube.com/watch?v=uJnveEz8sFI> |
| 23. | Control of Fan, Light, Window & Application of Using Cisco Packet Tracer  <https://www.youtube.com/watch?v=4Ytt1sswVfY> |