**Maharashtra State Board of Technical Education**

**Institute Code: Institute Of Civil And Rural Engineering,Gargoti(0012)**

**Program: Computer Engineering(CO4I)**

**Course: Data Communication and Computer Network Course code:22414**

**Semester :Fourth Name of Faculty: Mr. Kumare C. D.**

**List of Practicals**

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| **Sr.No** | **Name Of Experiment** |
| 1 | To configure Peer to Peer Network |
| 2 | To Prepare a straight cable and Network cross over cable and test by Line Tester |
| 3 | To connect computers using given topology with wired media |
| 4 | To connect computers using wireless media |
| 5 | Write a C program for CRC error detection |
| 6 | Create a network using Bluetooth (piconet scatternet) |
| 7 | To share printer and folder in network and transfer a file from one computer to another |
| 8 | Install operating system(window/Linux/Ubuntu) |
| 9 | Configure file server |
| 10 | Configure client to file server and use file services |
| 11 | Configure static and dynamic IP addresses. |
| 12 | Configure DHCP server |
| 13 | Run basic TCP/IP utilities and network commands:ipconfig,ping,tracert,netstat,pathping, and route |
| 14 | Install wireshark and configure as packet sniffer |
| 15 | Set access rights and security permissions for user |
| 16 | Create IPV6 based small computer network using a simulator |
| 17 | Setting up a wireless network. |

**Name and Signature of Staff Name & Signature of HOD**