**Lab 4 [Cabling]**

**Outline:**

1. Making ethernet straight through cable.
2. Connecting RJ445 connector using a crimping tool
3. Cable testing
4. Assembling an actual LAN using switch.

**Tasks:**

1. Take a 1 meter-long piece of twisted-pair copper wire and 2 RJ45 connectors. Using a crimping tool, cut, adjust and connect the RJ45 connectors and both sides.
2. Test the cable using cable testing tool.
3. Connect your PC\Laptop with the switch using this cable and assign IP address to your system. Please note that assign IP address as: 220.168.10.last two digits of your roll number i.e. if its 420 then use 20 (220.168.10.**20**) and subnet mask 255.255.255.0.
4. Ping the other devices on the network.