**Outline: Computer Networks Lab (CMP)**

**Code: IT-310**

**Objectives:**

The aim of Computer Networks Lab is to provide a hands-on experience to the students so

that they can confidently cope with the practical issues/problems in Computer Networks. The following topics will be covered in this course: Hardware Components, PC Hardware,

Laboratory Safety and Tools, Hardware Assembling, Portable Devices, Adding a Network

Interface Card (NIC), TCP/IP Utilities, connecting a Printer, sharing a Printer, managing a Printer, Dealing with paper problems, Layer 2 Internetworking Devices, Switch

configuration, Media and Design (Topology Design), Structured Cabling (Straight-Through

Cable, Crossover Cable, Rollover Cable), Using the Router, Router Components, Router Startup and Setup, Router Configuration, Operating System Installation, Implementing a

small LAN.

**Prerequisites**

None

**Text Book**

Lab Manual provided by instructor

**Reference Material**

None