**CN Practical List (IT352)**

* **Practical 1**
  + **Aim: Study of basic network command and Network configuration commands.**
* **Practical 2**
  + **Aim: Performing an Initial Server Setup and deploy web application in different network. Web application must be accessible from another network.**
  + **Implement File Transfer Protocol in LAN and WAN.**
    - **1. Simple User- FTP Server in LAN**
    - **2. University FTP example along with access permission in LAN**
    - **3. University FTP example along with access permission in WAN**
* **Practical 3**
  + **Aim: Performing an Initial Server Setup and deploy web application in different network. Web application must be accessible from another network by their HOST name. For that configure DNS service.**
* **Practical 4**
  + **Aim: Implement Routing Protocols to make communication happened between different networks.**

**1.Static Routing**

**2. Default Routing**

**3. Dynamic Routing**

* **RIP**
* **RIPv2 ( CIDR)**
* **Practical 5**
  + **Aim: Implement Routing Protocols to make communication happened between different networks. (OSPF)**
* **Practical 6**
  + **Aim: Implement Routing Protocols to make communication happened between different networks. (BGP)**
* **Practical 7**
  + **Aim: Implement VLAN Configuration.**
    - **VLAN Scenario**
* **Practical 7.1**
  + **Aim: Implement Inter VLAN Routing Configuration.**
    - **Inter VLAN Scenario**
* **Practical 8**
  + **Aim: Using Wireshark, capture network traffic and investigate several aspects of**
    - **ICMP packets.**
* **Practical 9**
  + **Aim: Using Wireshark, capture network traffic and investigate several aspects of**
    - **IP packets.**
* **Practical 10**
  + **Aim: Using Wireshark, capture network traffic and investigate several aspects of**
    - **HTTP packets.**