

### **Experiment 13. To stimulate FTP server using cisco packet tracer**

1. Open Cisco Packet Tracer
2. Set up Equipment:
  - a. Add a FTP server
  - b. Add a router
  - c. Add a switch
  - d. Add 2 client PCs
3. Configure IP Addresses
  - a. Set static IP address for the FTP server, router and client server
4. Configure FTP Service on FTP server
  - a. Turn FTP service on  
Setup user
5. Test Server:
  - a. Open Pc's Desktop
  - b. Open command prompt
  - c. Run:
    - i. Ping [ftp\_server\_ip]
6. Transfer files to and from ftp server:
  - a. Open Pc's Desktop
  - b. Open command prompt
  - c. Run:
    - i. ftp [server\_ip]
    - ii. Enter username and password
    - iii. To send file - ftp> put [file\_name]
    - iv. To get file - ftp> get [file\_name]

### **Experiment 14. To stimulate DHCP server using cisco packet tracer**

1. Open Cisco Packet Tracer.
2. Setup Equipment:
  - Add a DHCP server.
  - Add a router.
  - Add a switch.
  - Add 3 DHCP client PCs.
3. Configure IP Addresses:
  - Set IP addresses for the DHCP server and router.
4. Configure DHCP Service:
  - Access the services section on the DHCP server.
  - Select DHCP service.
  - Assign:
    - Default gateway.
    - Starting IP address range.
  - Add the configuration.
5. Configure client PCs:
  - Set client PCs to obtain IP addresses from DHCP automatically
    1. Got config and select interface
    2. Set DHCP on in IP configuration section

## **Experiment 15. To stimulate DNS server using cisco packet tracer**

1. Open Cisco Packet Tracer.
2. Setup Equipment:
  - a. Add a DNS server.
  - b. Add a Switch
  - c. Add a HTTP Server
  - d. Add 3 PCs
3. Configure IP Addresses:
  - a. Set up IP addresses for PCs, DNS server and HTTP server
4. Configure DNS server:
  - a. Go to services and select DNS
  - b. Turn on service
  - c. Set up Record:
    - i. Enter domain name 'www.example.com'
    - ii. Set address as IP of HTTP server
    - iii. Select record A
    - iv. Press ADD
5. Configure PCs:
  - a. Got to config and select settings
  - b. In the Gateway/DNS IPv4 section set DNS server field as DNS server's IP
6. Test:
  - a. Open PCs Desktop
  - b. Open web browser
  - c. Type the URL '[www.example.com](http://www.example.com)' and enter