**Summary:**

This is a Campus Network Project implemented on Cisco Packet Tracer. Each device from a different campus can communicate with each other and with external e-mail server. All the devices are connected in end-to-end topology can acquire IP addresses dynamically through DHCP server.

**Key Points of the Network Topology:**

* 1 Main campus and 1 Small campus
* Main campus includes:
  + - Building A (consists of **4** Departments, namely, **Admin**, **HR**, **Finance**, **Business**)
    - Building B (consists of **2** departments namely, **Engineering** and **Arts faculty**)
    - Building C (consists of **2** departments namely, **Students lab** and **IT department**)
    - Each department has a PC and a Printer except for the IT department, which has 1 PC, 1 FTP Server and 1 Web Server.
* Small Campus includes:
  + - 2 departments of the Health & Safety Faculty on different floors. On Floor 1 there are **Student Labs** and on Floor 2 there are **Staff Labs**.
    - Each department has a PC and a Printer.

**Requirements:**

* Configure devices and provide end-to-end connectivity and access to the internal servers and the external server.
* Each department is expected to be on its own separate IP network.
* The switches should be configured with VLANs.
* RIPv2 should be used to provide routing for the routers in the internal network and static routing for the external server.
* The devices are expected to acquire dynamic IP address from the router-based DHCP server.