Design and Implementation of a Simple Networking Project #1

Project #1 Case Study and Requirements

Design a network in Cisco Packet Tracer to connects ACCOUNTS and DELIVERY departments through the following:

- Each department should contain at least two PCs.

- Appropriate number of switches and routers should be used in the network.

- Using the given network 192.168.40.0, all interfaces should be configured with correct IP addresses, subnet mask and gateways.

- All devices in the network should be connected using appropriate cables.

- Test communication between devices in both ACCOUNTS and DELIVERY departments.

Technologies Implemented

1. Creating a Simple Network using a Router and Access Layer Switch.

2. Connecting Networking devices with Correct cabling.

3. Connecting two Networks using a Router.

4. Subnetting and IP Addressing.

5. Assigning IP Addresses to Router's interfaces.

6. Static IP Address allocation to Host Devices.

7. Test and Verifying Network Communication.