**Computer Networks Project Report**

**Topic:** Demonstrating a comprehensive network for an online shopping business portal.

**Collaborators:**

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**Problem Statement:** This project depicts an all-inclusive visual simulation of a network for an e-commerce website consisting of various departments handling separate units of the workforce such as IT, Sales, HR.

**Details:** Tool used : CISCO Packet Tracer

* SERVERS:

In Server farm we have 4 servers namely :

Mail server, Web server , File server , Active directory

These comprise VLAN 40

* DEPARTMENTS:
* Sales Department : It is the direct link between a company's product or service and its customers.

` This comprises VLAN 30

* HR Dept:  It is the company **department** charged with finding, screening, recruiting and training job applicants, and administering employee-benefit programs.

It comprises VLAN 20

* IT Dept: It is responsible for the architecture, hardware, software and networking of computers in the company.

Comprises VLAN 10

All these departments are connected to 2960-24TT switch

All the 4 switches are interconnected to two 3560-24PS switch

These two switches are interconnect to two routers 2811

These two routers are interconnected to two switches 3560-24PS

These switches are connected to different routers and to switches then to the PC's (basically to the different homes).





