Practical 1

Aim: Configure the client server architecture to use the domain name to access the resource from HTTP Server. Using Cisco Packet Tracer, configure the DHCP server to provide IP addresses to PCs connected to al network. There are three networks: one in which the PCs are connected in a star topology, another in which the PCs are connected in a mesh topology, and the third in which the PCs are connected in a bus topology.

Output Screenshots:

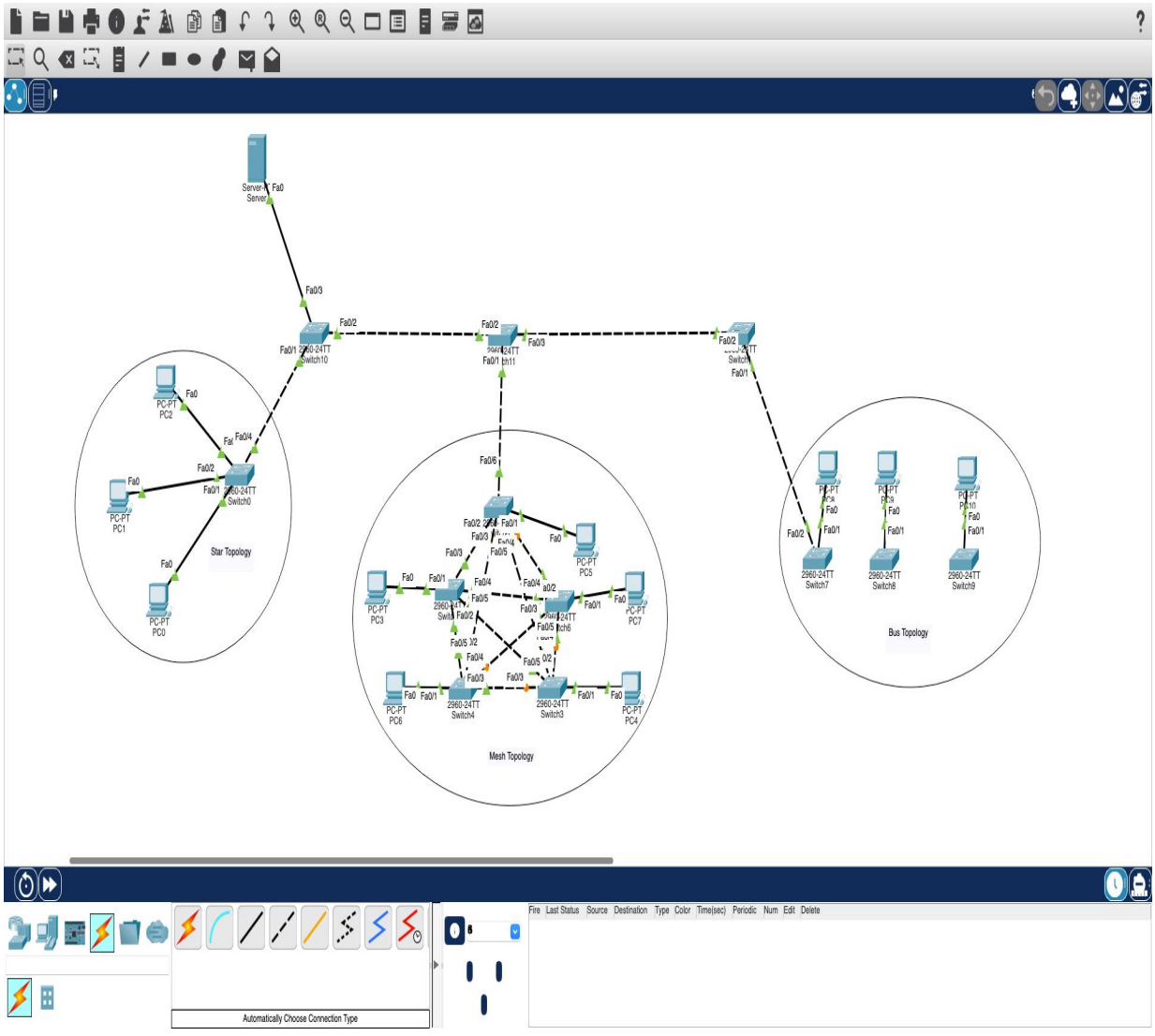

Figure 1: Topology

Practical 2

Aim: A university works on dual shifts. It has mainly 5 departments i.e., CE, CSE, IT, EC, ICT. Provost of the university wants to configure a unique network but virtually divided into 5 above mentioned department in such a way that the packets can travel or broadcasted within the same department only. Demonstrate the configuration of such network in Cisco Packet Tracer.

Output Screenshots:

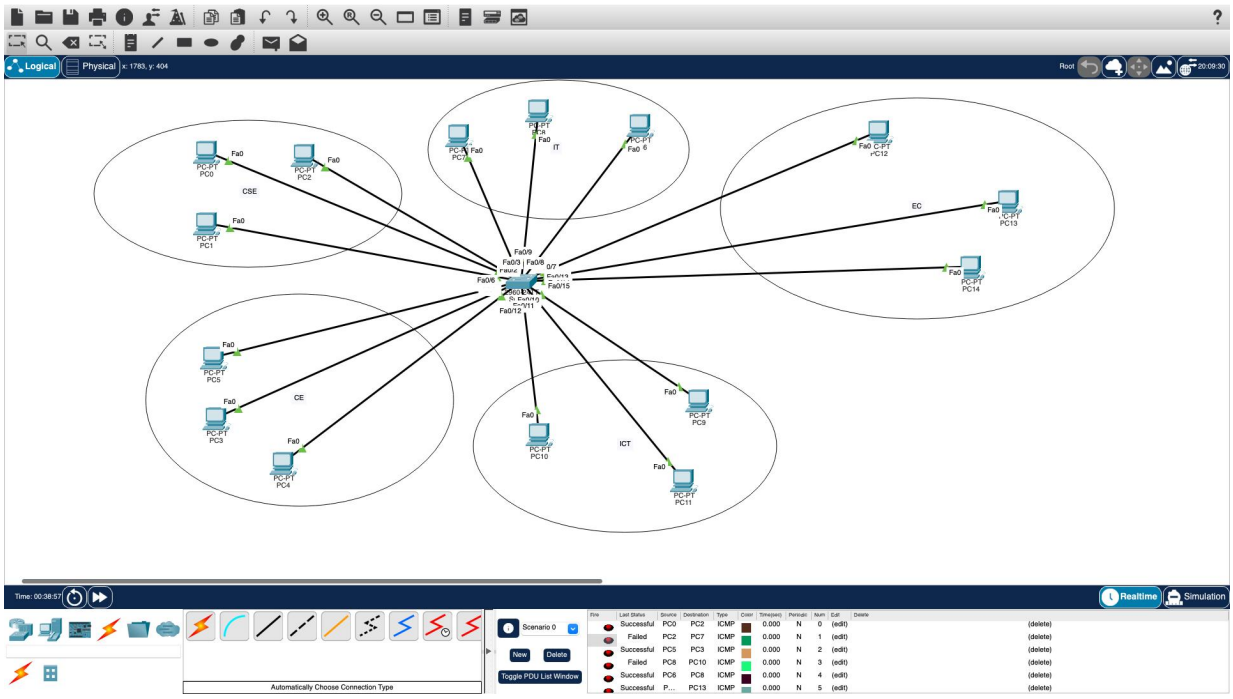

Figure 1: Topology

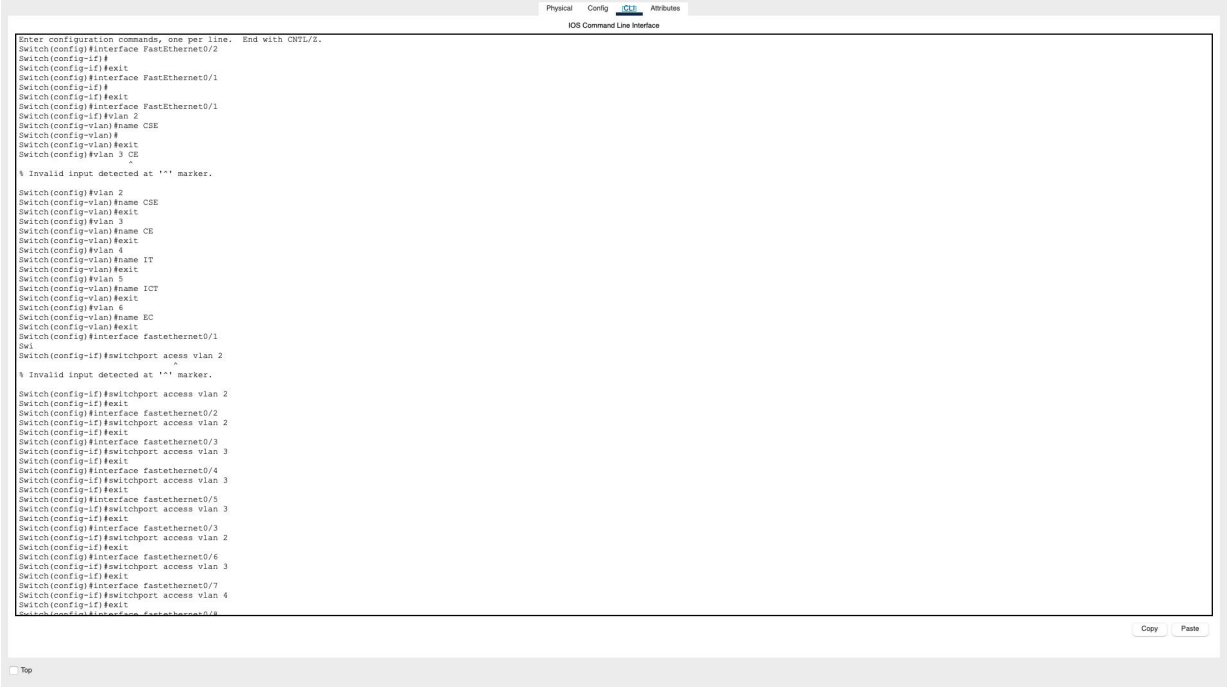

Figure 2: VLAN configure

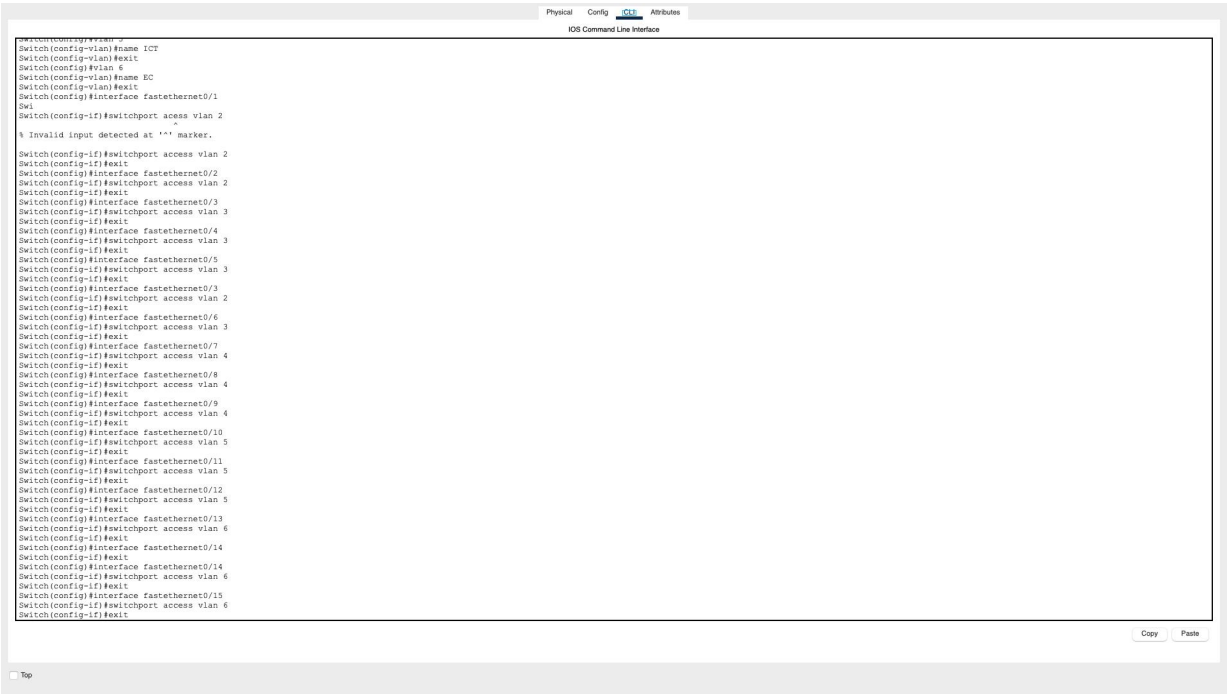

Figure 3: VLAN configure

Figure 4: Packet Transfer