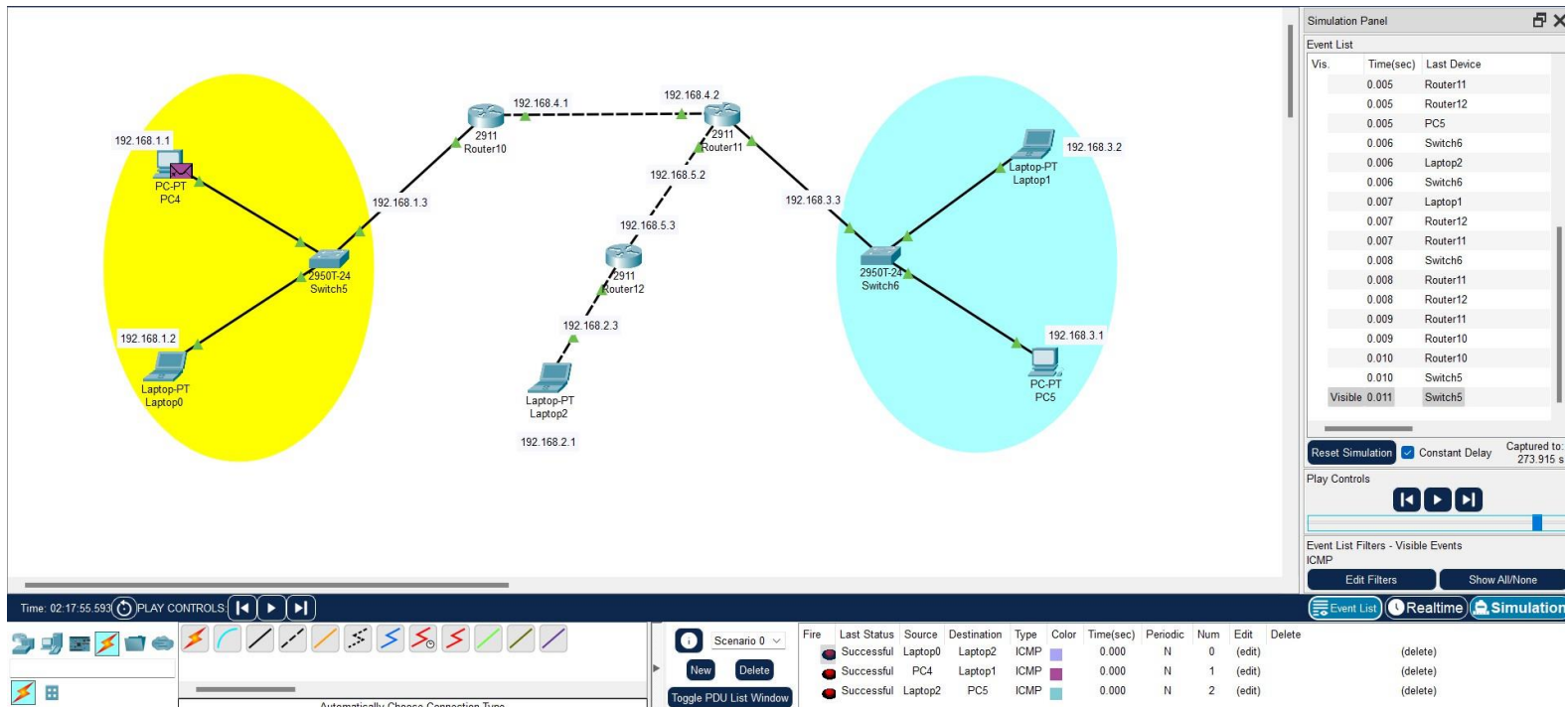Week #6

Designing and Simulation of Network Topology using Cisco Packet Tracer

Task 02

PC and Router Configurations

PC4:

IP Address ---> 192.168.1.1

Gateway ---> 192.168.1.3

Laptop0:

IP Address ---> 192.168.1.2

Gateway ---> 192.168.1.3

Router10:

GigabitEthernet0/0 ---> 192.168.1.3

GigabitEthernet0/1 ---> 192.168.4.1

Laptop2:

IP Address ---> 192.168.2.1

Gateway ---> 192.168.2.3

Router 12:

GigabitEthernet0/0 ---> 192.168.2.3

GigabitEthernet0/1 ---> 192.168.5.3

Laptop1:

IP Address --->

192.168.3.2 Gateway --->

192.168.3.3

PC5:

IP Address ---> 192.168.3.1

Gateway ---> 192.168.3.3

Router 11:

GigabitEthernet0/0 ---> 192.168.3.3

GigabitEthernet0/1 ---> 192.168.5.2

GigabitEthernet0/2 ---> 192.168.4.2

Routing Tables

Router10

Destination	Subnet Mask	Next hop
192.168.1.0	255.255.255.0	Directly connected

192.168.2.0	255.255.255.0	192.168.4.2
192.168.3.0	255.255.255.0	192.168.4.2
192.168.4.0	255.255.255.0	Directly connected
192.168.5.0	255.255.255.0	192.168.4.2

Router11

Destination	Subnet Mask	Next hop
192.168.1.0	255.255.255.0	192.168.4.1
192.168.2.0	255.255.255.0	192.168.5.3
192.168.3.0	255.255.255.0	Directly connected
192.168.4.0	255.255.255.0	Directly connected
192.168.5.0	255.255.255.0	Directly connected

Router12

Destination	Subnet Mask	Next hop
192.168.1.0	255.255.255.0	192.168.5.2
192.168.2.0	255.255.255.0	Directly connected
192.168.3.0	255.255.255.0	192.168.5.2
192.168.4.0	255.255.255.0	192.168.5.2
192.168.5.0	255.255.255.0	Directly connected

Name: ABHISHEK P SRN:

PES2UG23AM002

Section: A

Date: 19-01-2025