AMERICAN INTERNATIONAL UNIVERSITY–BANGLADESH (AIUB)

FACULTY OF SCIENCE & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Computer Network

Spring 2024-2025

Section: D

FINALTERM LAB TASKS

Supervised By

Dr. Rajarshi Roy Chowdhury

Submitted By

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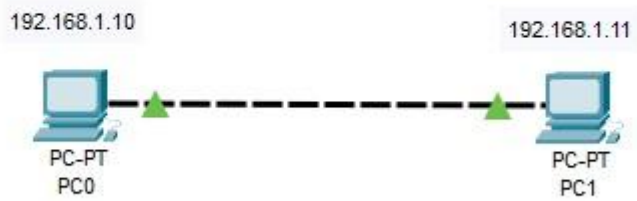
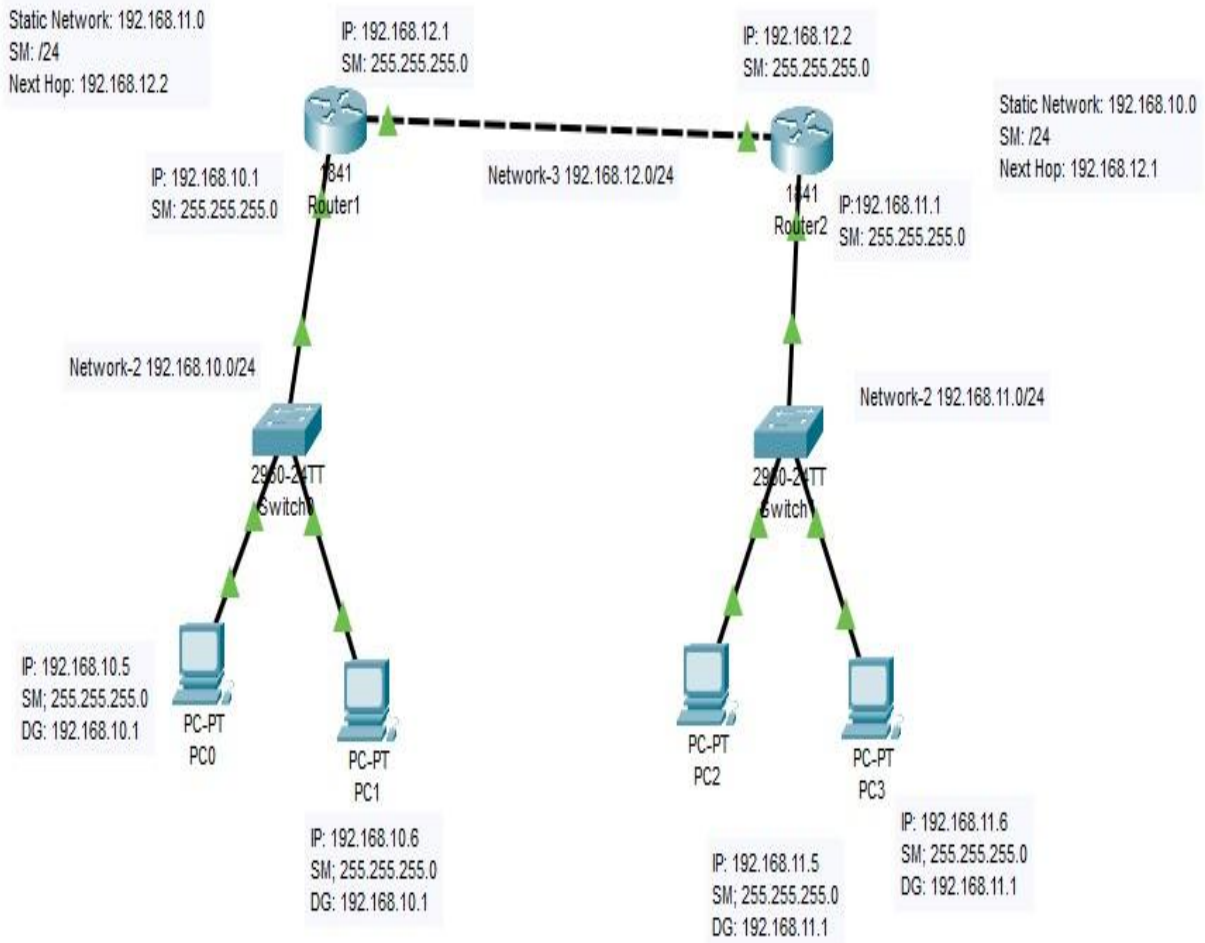
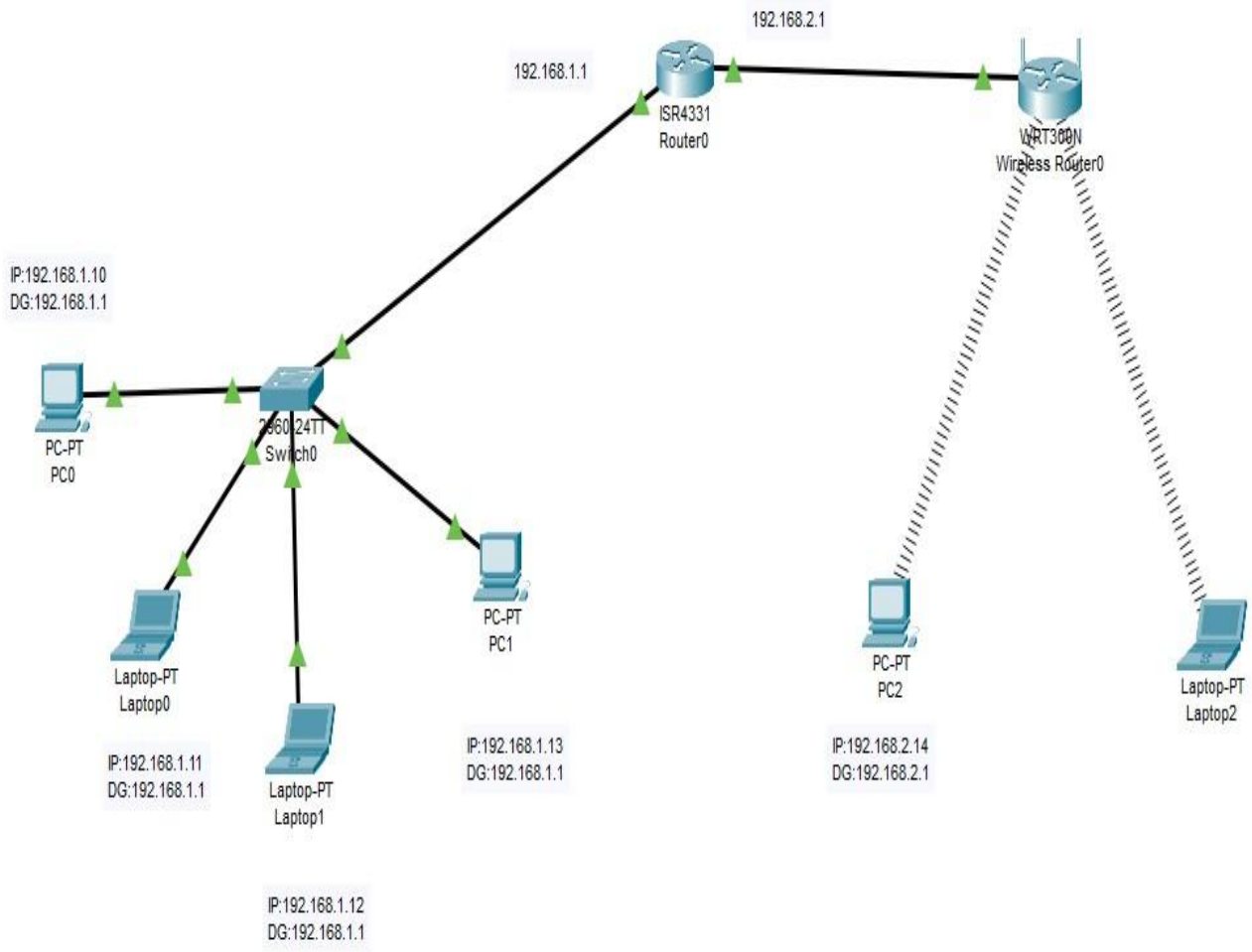
Task -1


192.168.1.10
192.168.1.11
PC-PT
PC0
PC-PT
PC1

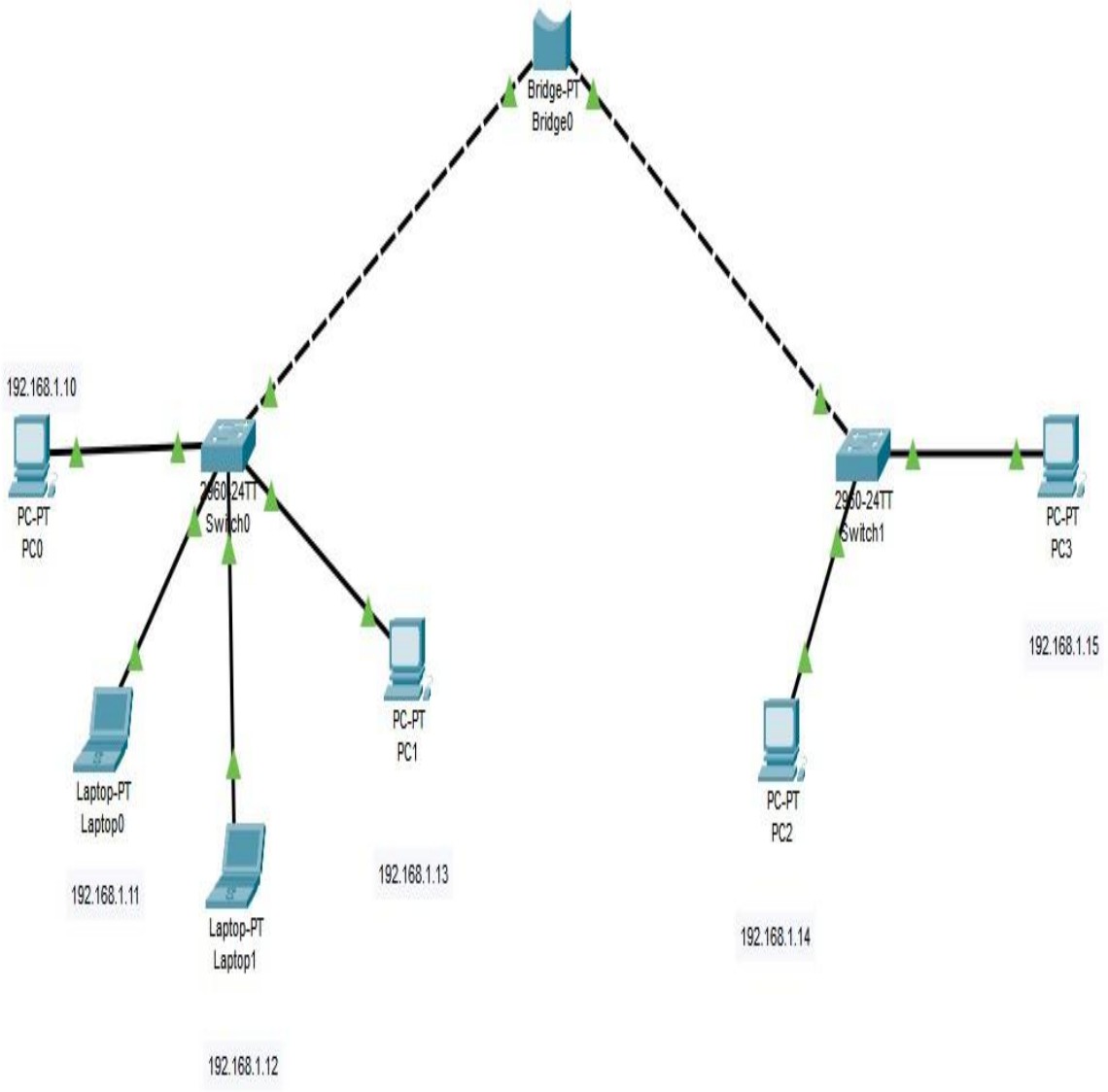
Task-2


Static Network: 192.168.11.0
SM: /24
Next Hop: 192.168.12.2
IP: 192.168.12.1
SM: 255.255.255.0
IP: 192.168.12.2
SM: 255.255.255.0
Static Network: 192.168.10.0
SM: /24
Next Hop: 192.168.12.1
IP: 192.168.10.1
SM: 255.255.255.0
Router1
Network-3 192.168.12.0/24
Router2
IP:192.168.11.1
SM: 255.255.255.0
Network-2 192.168.10.0/24
Network-2 192.168.11.0/24
Switch0
Switch1
IP: 192.168.10.5
SM; 255.255.255.0
DG: 192.168.10.1
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
IP: 192.168.10.6
SM; 255.255.255.0
DG: 192.168.10.1
IP: 192.168.11.5
SM; 255.255.255.0
DG: 192.168.11.1
IP: 192.168.11.6
SM; 255.255.255.0
DG: 192.168.11.1

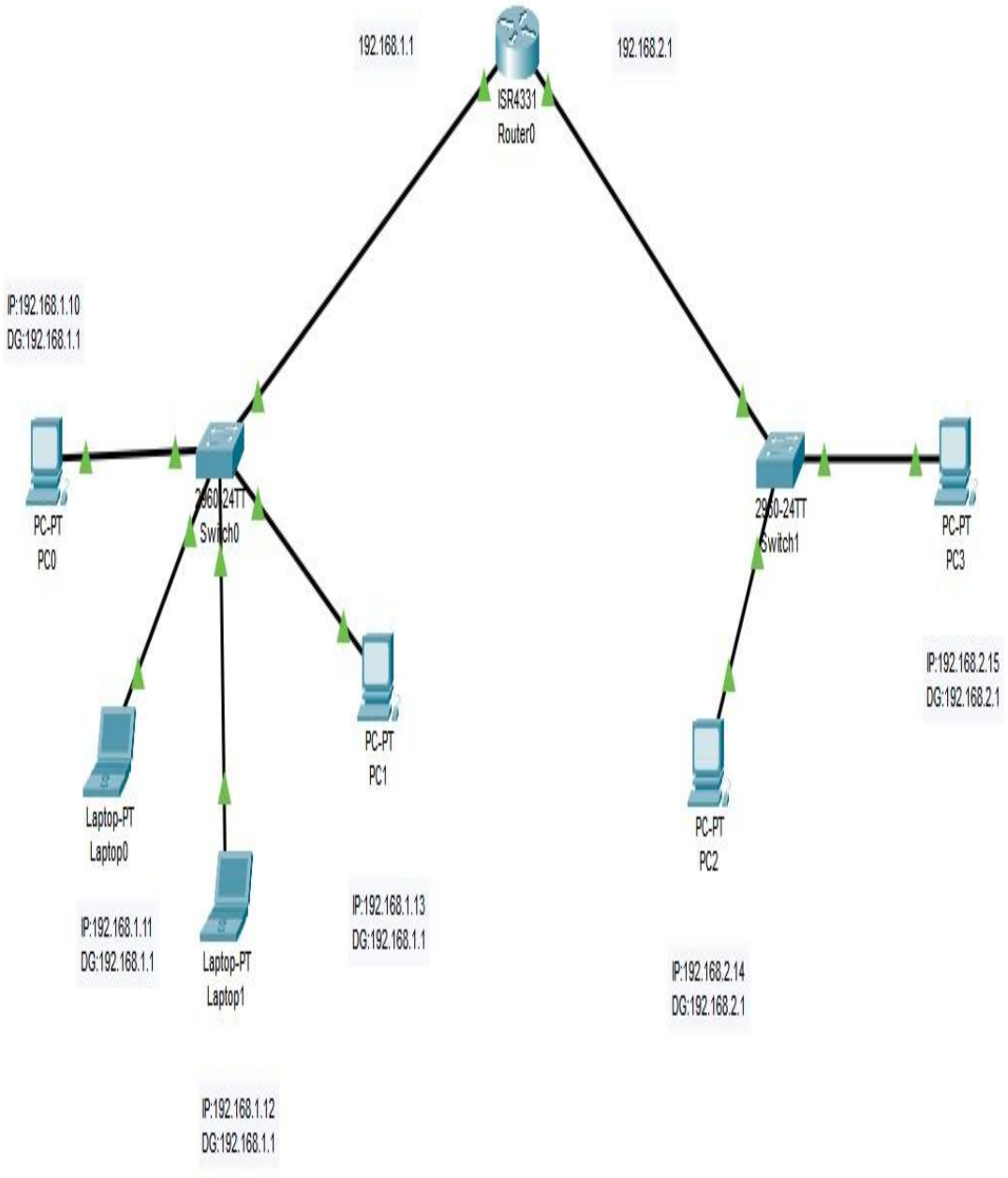
Task-3


192.168.2.1
192.168.1.1
ISR4331
Router0
WRT300N
Wireless Router0
IP:192.168.1.10
DG:192.168.1.1
PC-PT
PC0
2960-24TT
Switch0
PC-PT
PC1
Laptop-PT
Laptop0
IP:192.168.1.11
DG:192.168.1.1
Laptop-PT
Laptop1
IP:192.168.1.12
DG:192.168.1.1
IP:192.168.1.13
DG:192.168.1.1
PC-PT
PC2
IP:192.168.2.14
DG:192.168.2.1
Laptop-PT
Laptop2

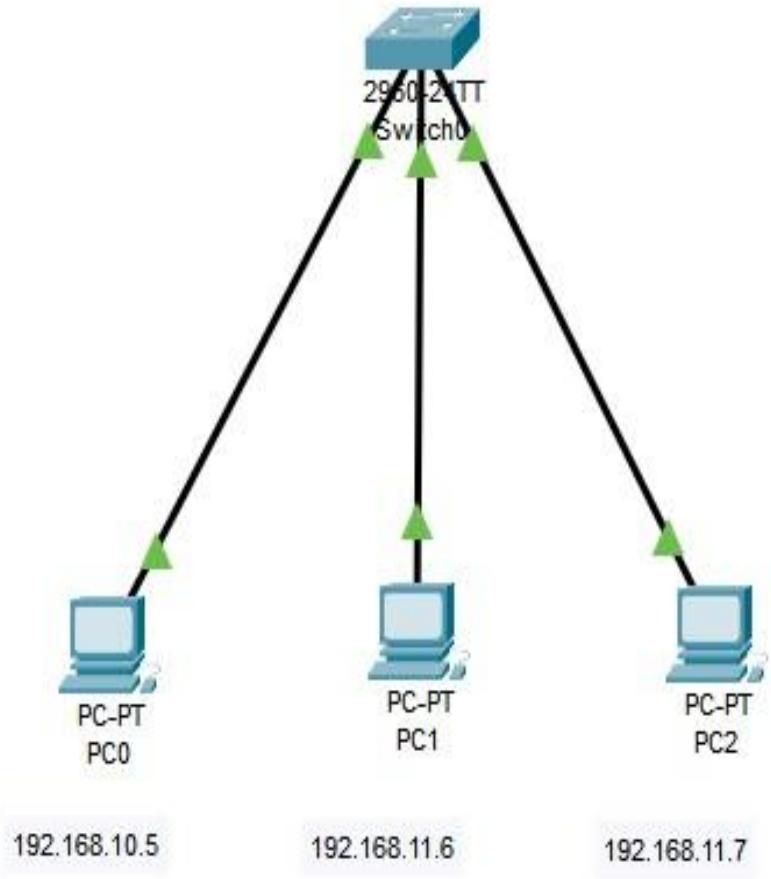
Task-4


Bridge-PT
Bridge0
192.168.1.10
PC-PT
PC0
2960-24TT
Switch0
2960-24TT
Switch1
PC-PT
PC3
192.168.1.15
PC-PT
PC1
Laptop-PT
Laptop0
192.168.1.11
192.168.1.13
PC-PT
PC2
192.168.1.14
Laptop-PT
Laptop1
192.168.1.12

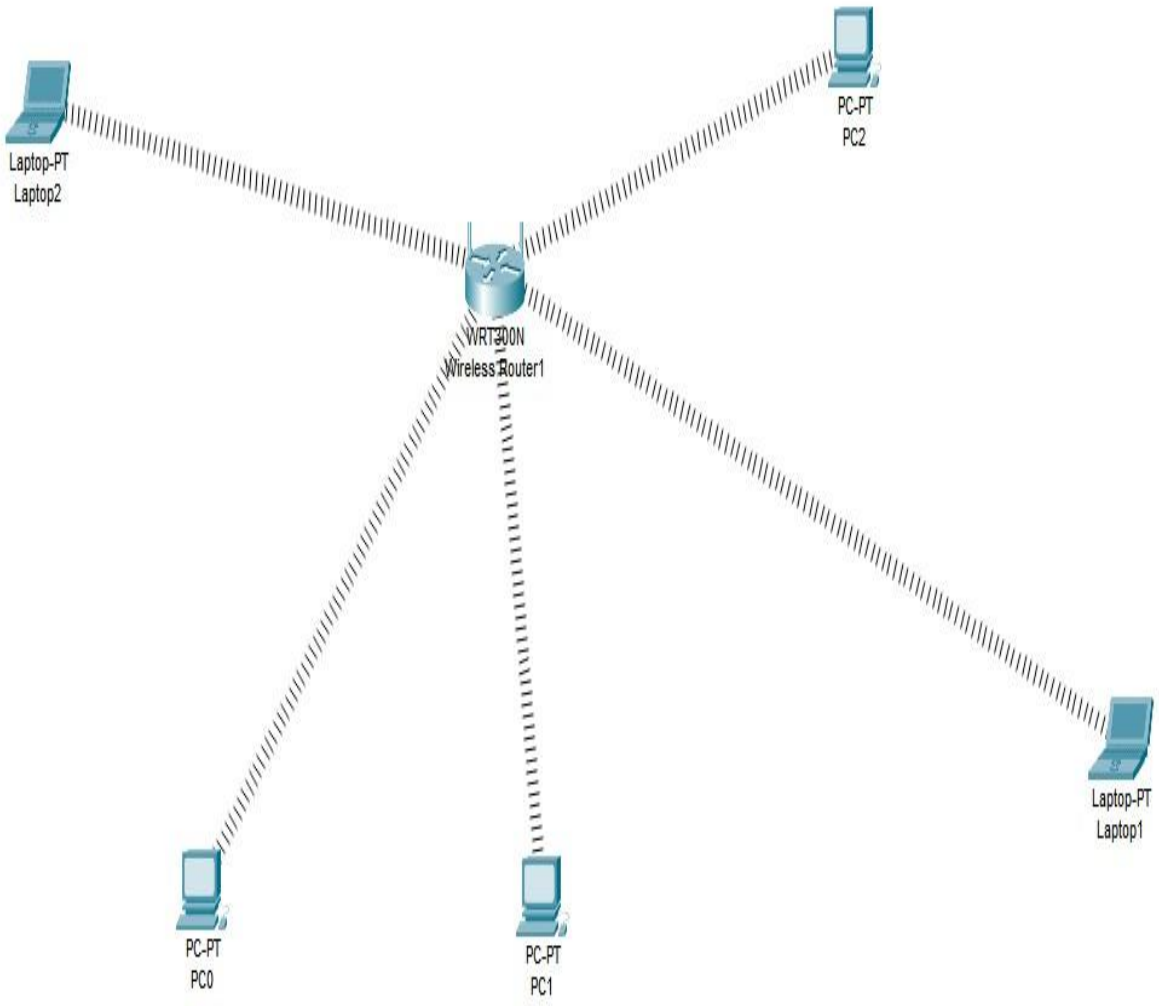
Task-5


192.168.1.1
192.168.2.1
ISR4331
Router0
IP:192.168.1.10
DG:192.168.1.1
PC-PT
PC0
Switch0
2960-24TT
Switch1
PC-PT
PC3
IP:192.168.2.15
DG:192.168.2.1
PC-PT
PC1
Laptop-PT
Laptop0
IP:192.168.1.11
DG:192.168.1.1
Laptop-PT
Laptop1
IP:192.168.1.13
DG:192.168.1.1
PC-PT
PC2
IP:192.168.2.14
DG:192.168.2.1
IP:192.168.1.12
DG:192.168.1.1

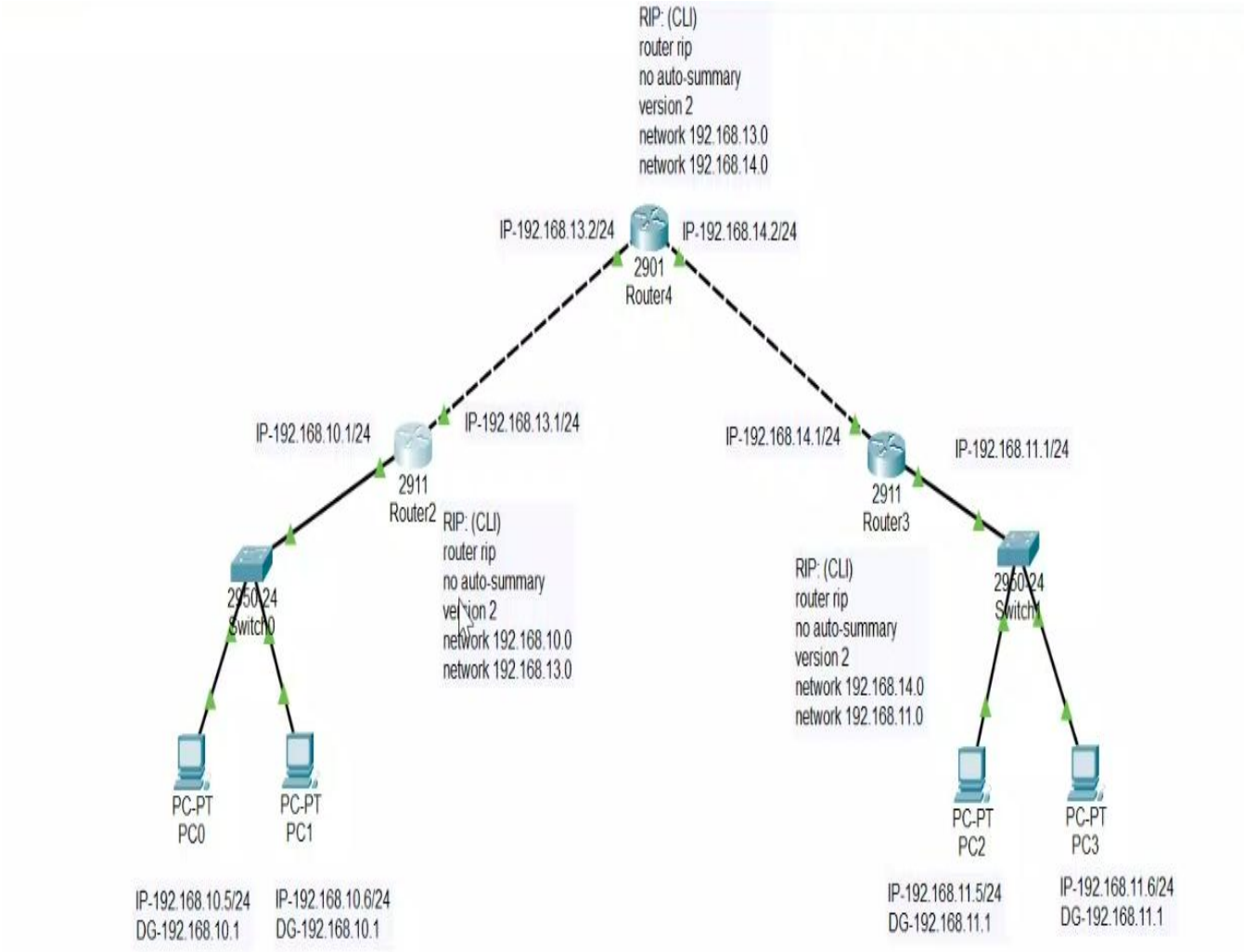
Task-6


2960-24TT
Switch0
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
192.168.10.5
192.168.11.6
192.168.11.7

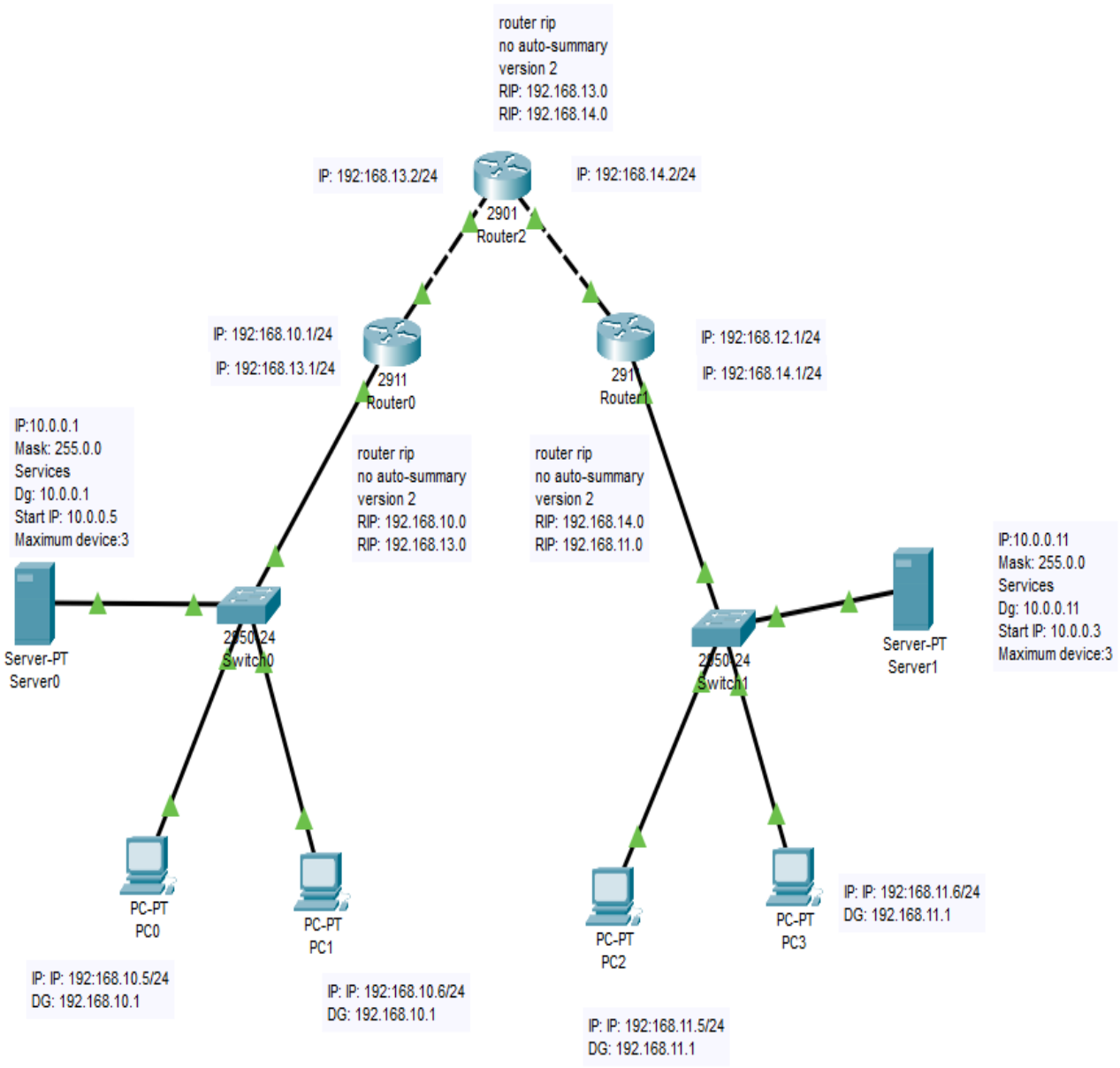
Task-7


Laptop-PT
Laptop2
PC-PT
PC2
WRT300N
Wireless Router1
Laptop-PT
Laptop1
PC-PT
PC0
PC-PT
PC1

Task- 8


RIP: (CLI)
router rip
no auto-summary
version 2
network 192.168.13.0
network 192.168.14.0
IP-192.168.13.2/24
IP-192.168.14.2/24
2901
Router4
IP-192.168.10.1/24
IP-192.168.13.1/24
2911
Router2
RIP: (CLI)
router rip
no auto-summary
version 2
network 192.168.10.0
network 192.168.13.0
IP-192.168.14.1/24
IP-192.168.11.1/24
2911
Router3
RIP: (CLI)
router rip
no auto-summary
version 2
network 192.168.14.0
network 192.168.11.0
2950-24
Switch0
2950-24
Switch1
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
IP-192.168.10.5/24
DG-192.168.10.1
IP-192.168.10.6/24
DG-192.168.10.1
IP-192.168.11.5/24
DG-192.168.11.1
IP-192.168.11.6/24
DG-192.168.11.1

Task – 9


router rip
no auto-summary
version 2
RIP: 192.168.13.0
RIP: 192.168.14.0
IP: 192:168.13.2/24
IP: 192:168.14.2/24
2901
Router2
IP: 192:168.10.1/24
IP: 192:168.13.1/24
IP: 192:168.12.1/24
IP: 192:168.14.1/24
2911
Router0
291
Router1
IP:10.0.0.1
Mask: 255.0.0
Services
Dg: 10.0.0.1
Start IP: 10.0.0.5
Maximum device:3
router rip
no auto-summary
version 2
RIP: 192.168.10.0
RIP: 192.168.13.0
router rip
no auto-summary
version 2
RIP: 192.168.14.0
RIP: 192.168.11.0
IP:10.0.0.11
Mask: 255.0.0
Services
Dg: 10.0.0.11
Start IP: 10.0.0.3
Maximum device:3
Server-PT
Server0
2950-24
Switch0
2950-24
Switch1
Server-PT
Server1
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
IP: IP: 192:168.10.5/24
DG: 192.168.10.1
IP: IP: 192:168.10.6/24
DG: 192.168.10.1
IP: IP: 192:168.11.5/24
DG: 192.168.11.1
IP: IP: 192:168.11.6/24
DG: 192.168.11.1