Name: Devansh Srivastava

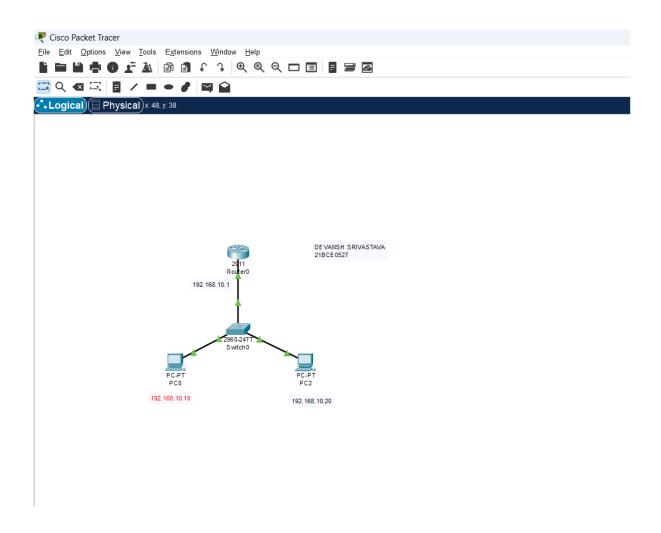
Registration No: 21BCE0527

**Network Training Programme** 

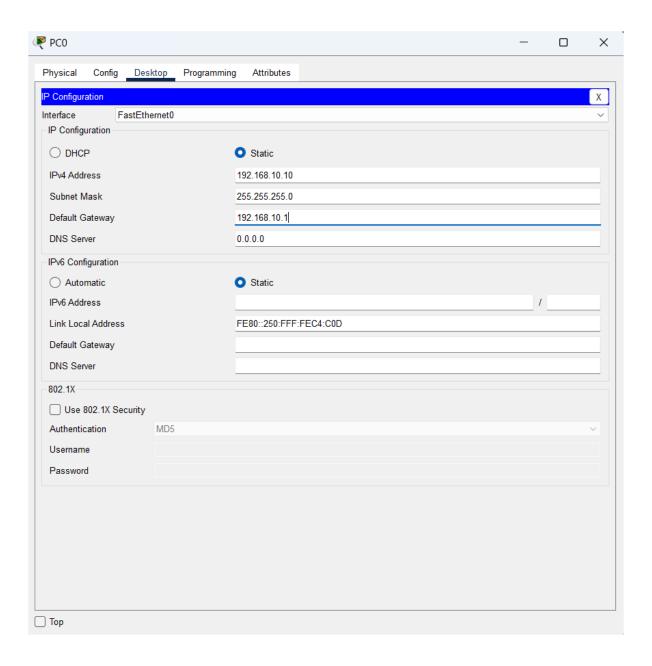
Module 5

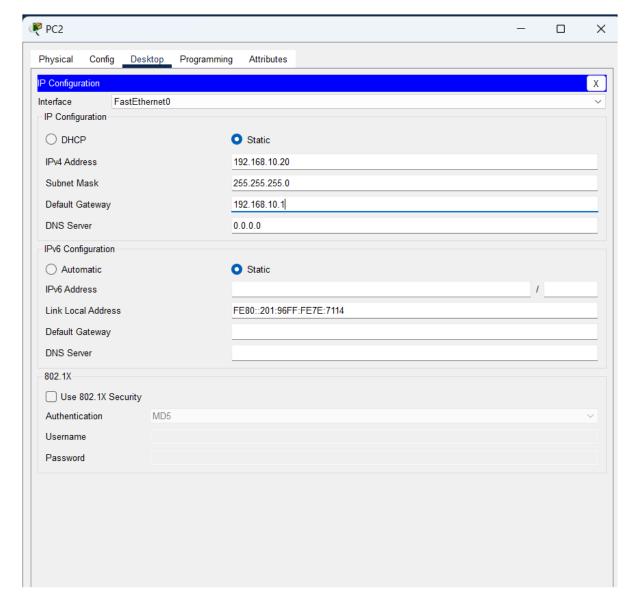
Q3. Manually configure static IPs on the client devices(like Pc or your mobile phone) and verify connectivity using ping.

## Network Diagram:

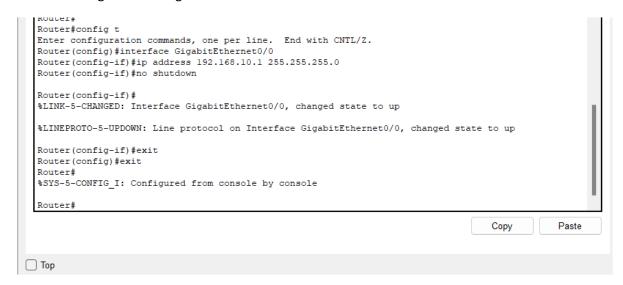


Static IP and default gateway Configuration:





## **ROUTER Configuration using CLI command:**



## Checking connectivity using Ping command

```
Physical Config Desktop Programming Attributes

Command Prompt

Cisco Packet Tracer PC Command Line 1.0
C:\ping 192.168.10.1

Pinging 192.168.10.1 with 32 bytes of data:

Reply from 192.168.10.1: bytes=32 time<lms TTL=255

Reply from 192.168.10.1: bytes=32 time<lms TTL=255

Reply from 192.168.10.1: bytes=32 time<lms TTL=255

Reply from 192.168.10.1: bytes=32 time=lms TTL=255

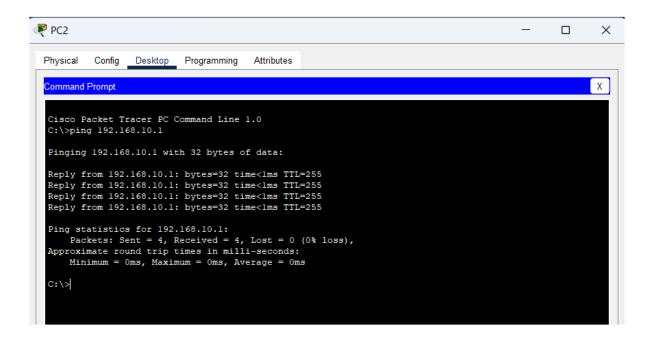
Reply from 192.168.10.1: bytes=32 time=lms TTL=255

Ping statistics for 192.168.10.1:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = Oms, Maximum = lms, Average = Oms

C:\>
```



## Key Learning:

- Static IPs prevent conflicts caused by dynamic IP changes.
- Ping confirms successful connectivity.