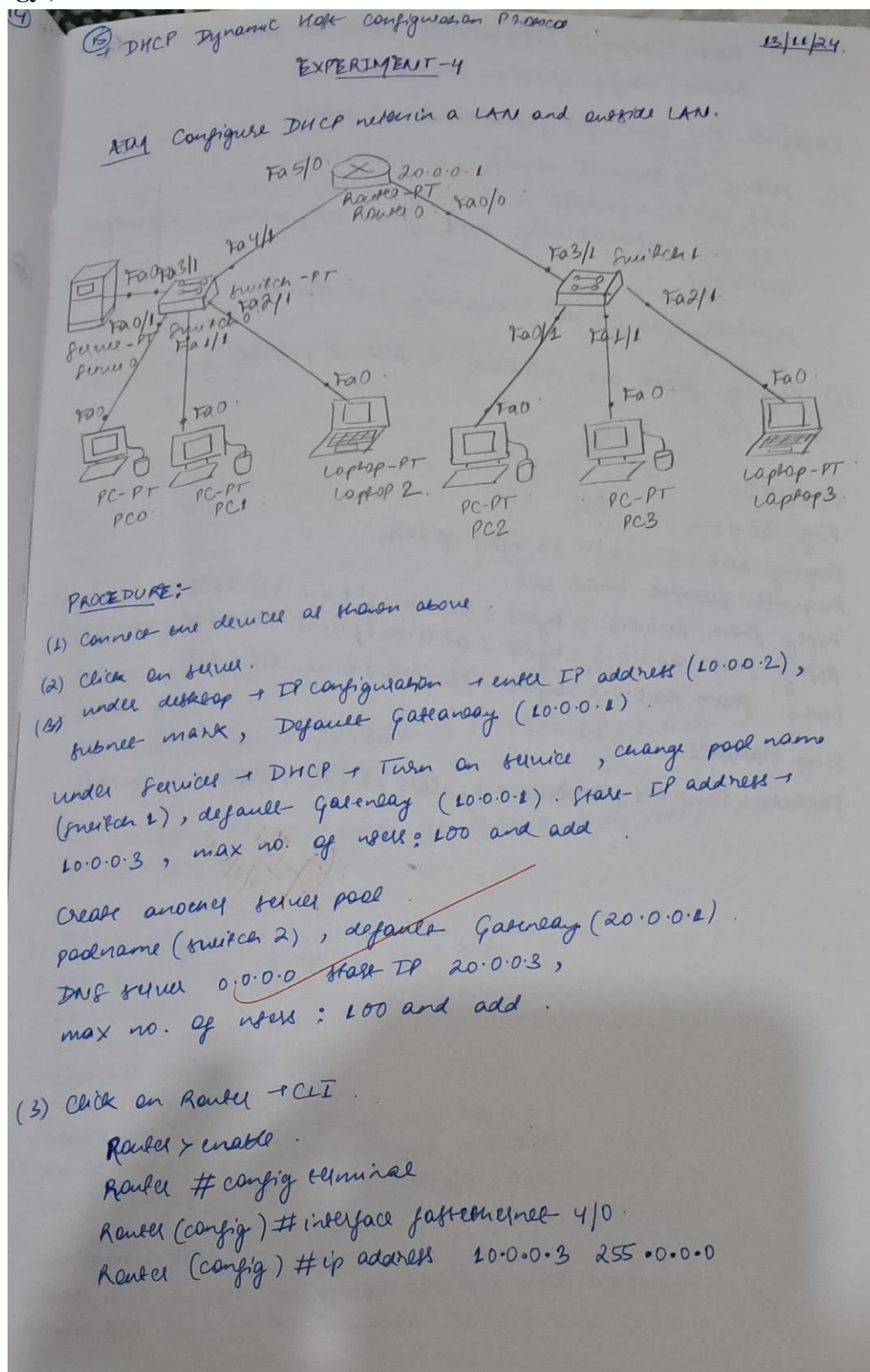


## Program 5

**Aim:** Configure DHCP within a LAN and outside LAN.

### Topology , Procedure and Observation:



Router (config-if) # ip address (help) 10.0.0.2  
Router (config-if) # no shutdown

Configure the same for fast ethernet 0/0 router.

- (4) Setting up the end devices (PCs and laptop).  
Click on PC + Desktop → IP configuration → DHCP.  
(server automatically sets up the IP, subnet & default gateway)

Similarly do for all remaining end devices.

- (5) Pinging from one network to other if possible.  
From PC0.

#### OUTPUT:-

Ping 20.0.0.3.

Pinging 20.0.0.3 with 32 bytes of data.

Request timed out.

Reply from 20.0.0.3 : bytes : 32 time : 1 ms TTL = 128

Reply from 20.0.0.3 : bytes : 32 time : 0 ms TTL = 128

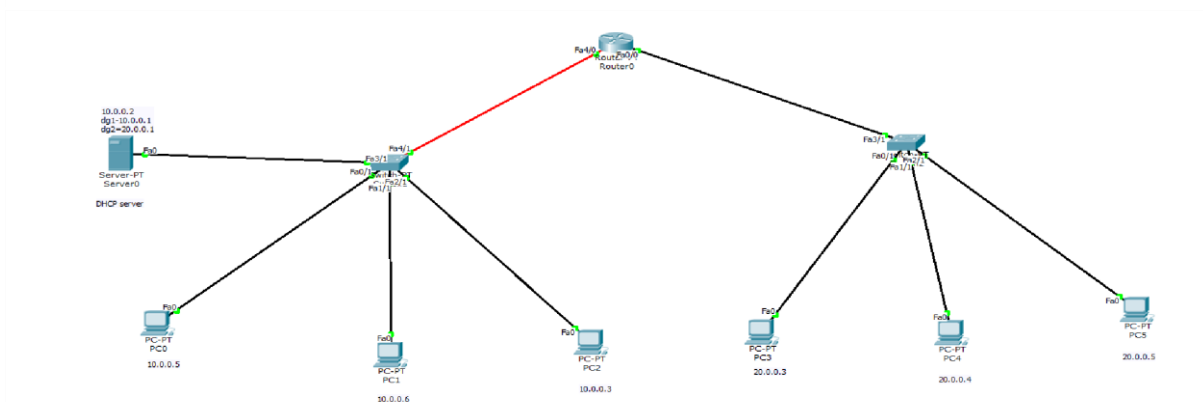
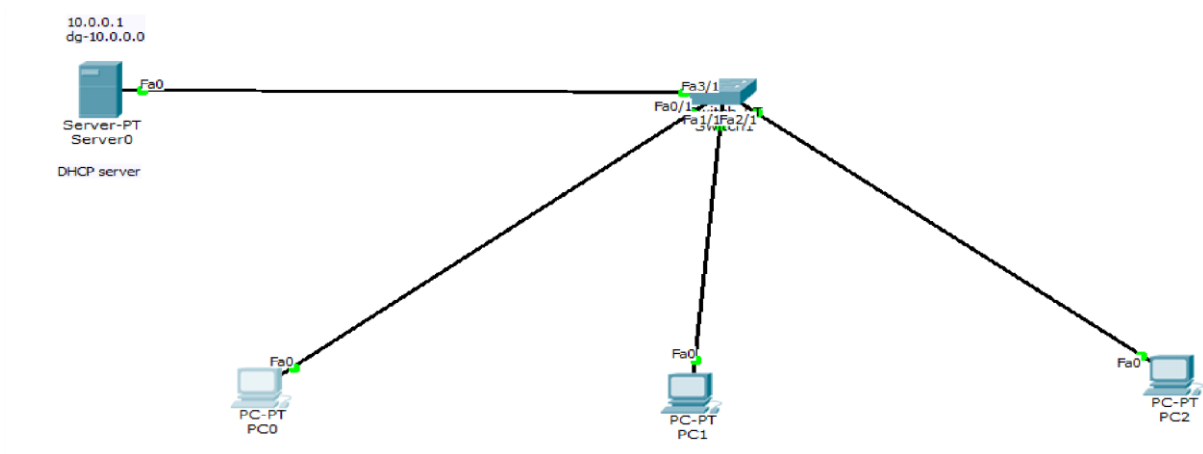
Reply from 20.0.0.3 : bytes : 32 time : 0 ms TTL = 128

Ping statistics

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

*Thi*  
27/11/24

## Screen Shots:



PC0

Physical Config Desktop Custom Interface

### Command Prompt

```
Packet Tracer PC Command Line 1.0
PC>ping 10.0.0.4

Pinging 10.0.0.4 with 32 bytes of data:

Reply from 10.0.0.4: bytes=32 time=1ms TTL=128
Reply from 10.0.0.4: bytes=32 time=0ms TTL=128
Reply from 10.0.0.4: bytes=32 time=0ms TTL=128
Reply from 10.0.0.4: bytes=32 time=0ms TTL=128

Ping statistics for 10.0.0.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

PC>
```

