Patuakhali Science and Technology University

Course Code: CCE-313

Course Title: ??

Assignment: Home Router Configuration

Submitted to

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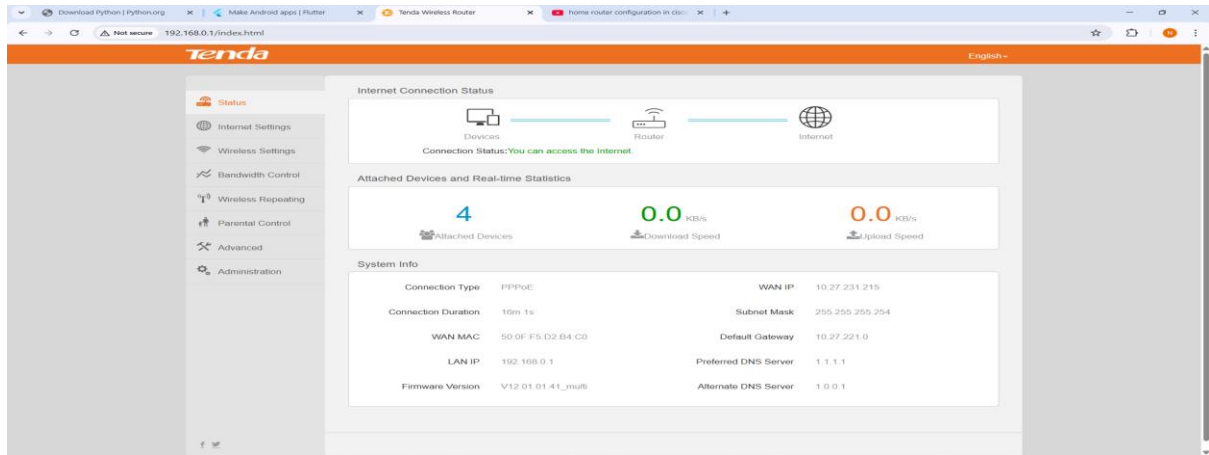Level: III, Semester: I

Submission Date: 02-07-2025

Contents

1. Access the Router Admin Panel

1.1 Check the IP address on the back of the router. My router's IP address is 192.168.0.1
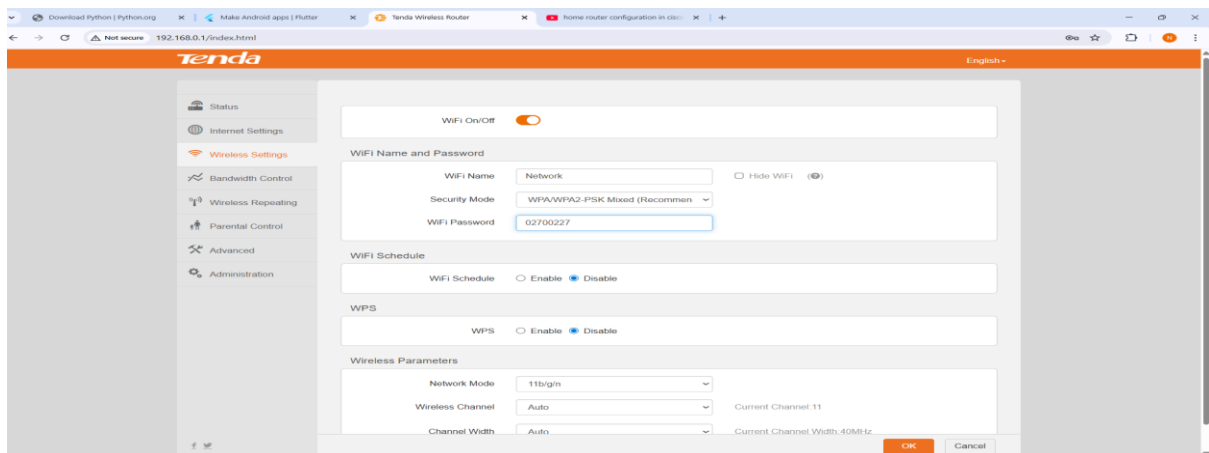
1.2 Open a browser and search http://192.168.0.1

1.3 Login already logged in.

2. Wi-Fi Configuration

2.1 Change Wi-Fi Name and Password

wireless settings > wifi name & WiFi password > ok

2.2 Set Static IP for a Device

i.   Advanced > Static IP

ii.   IP address: 192.168.0.104

iii.   MAC Address: C:\Users\HP>ipconfig /all [on cmd]

Wireless LAN adapter Wi-Fi 2:

Connection-specific DNS Suffix . : www.tendawifi.com
Description . . . . : Intel(R) Dual Band Wireless-AC 8265 #2
Physical Address. . . . . : D4-6D-6D-C3-CC-65
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::3a96:a7bb:d1a9:75f0%11(Preferred)
IPv4 Address. . . . . : 192.168.0.104(Preferred)
Subnet Mask . . . . : 255.255.255.0
Lease Obtained. . . . . : Wednesday, July 2, 2025 12:23:23 AM
Lease Expires . . . . : Thursday, July 3, 2025 12:23:23 AM
Default Gateway . . . . : 192.168.0.1

```
DHCP Server . . . . . . . . . . . : 192.168.0.1
DHCPv6 IAID . . . . . . . . . . . : 232025453
DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-2F-6E-BD-B6-B4-B6-86-8A-5C-A4
DNS Servers . . . . . . . . . . . : 192.168.0.1
NetBIOS over Tcpip. . . . . . . . : Enabled
```

    iv.   Remark: Laptop-Nayema or something that like you.

    v.   Click on plus then ok.
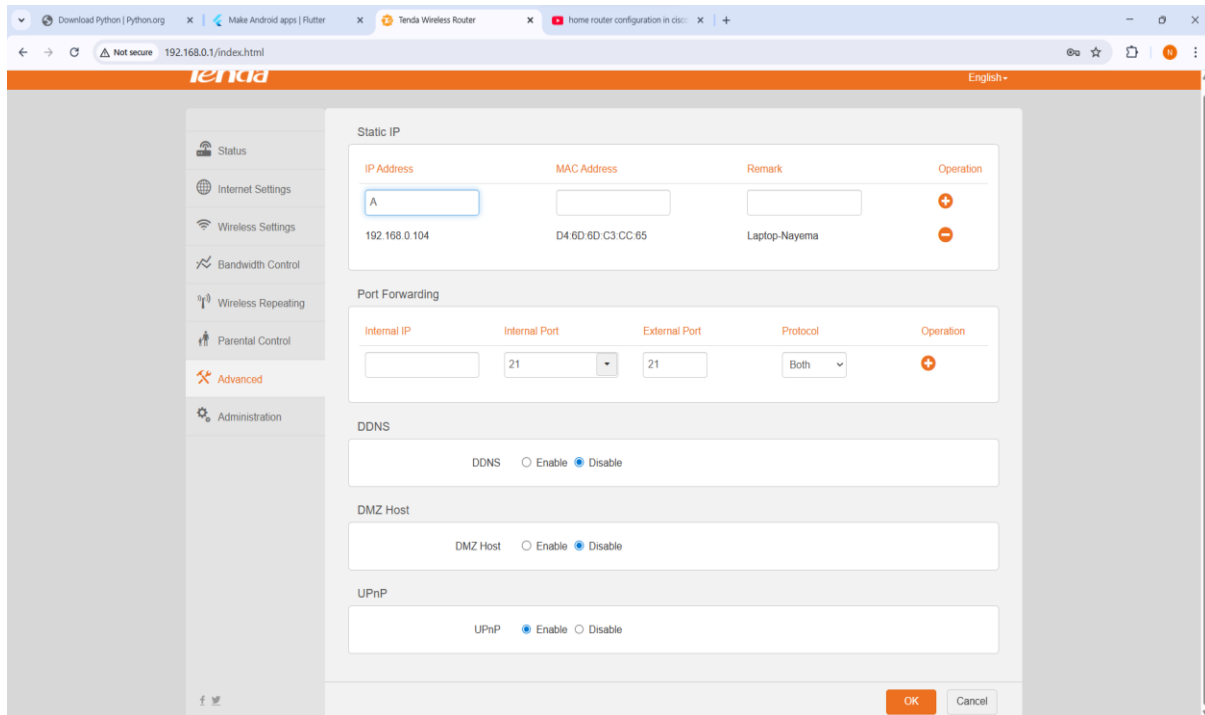
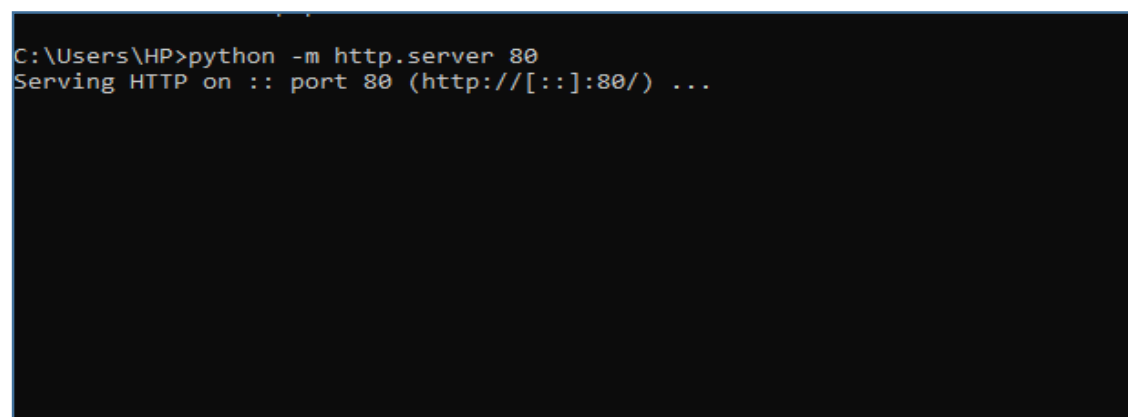## 2.3 Port Forwarding

    i.   Advanced > DMZ > Enable > Insert IP Address > ok

    ii. Internal IP: 192.168.0.104

    iii. Internal Port: 80
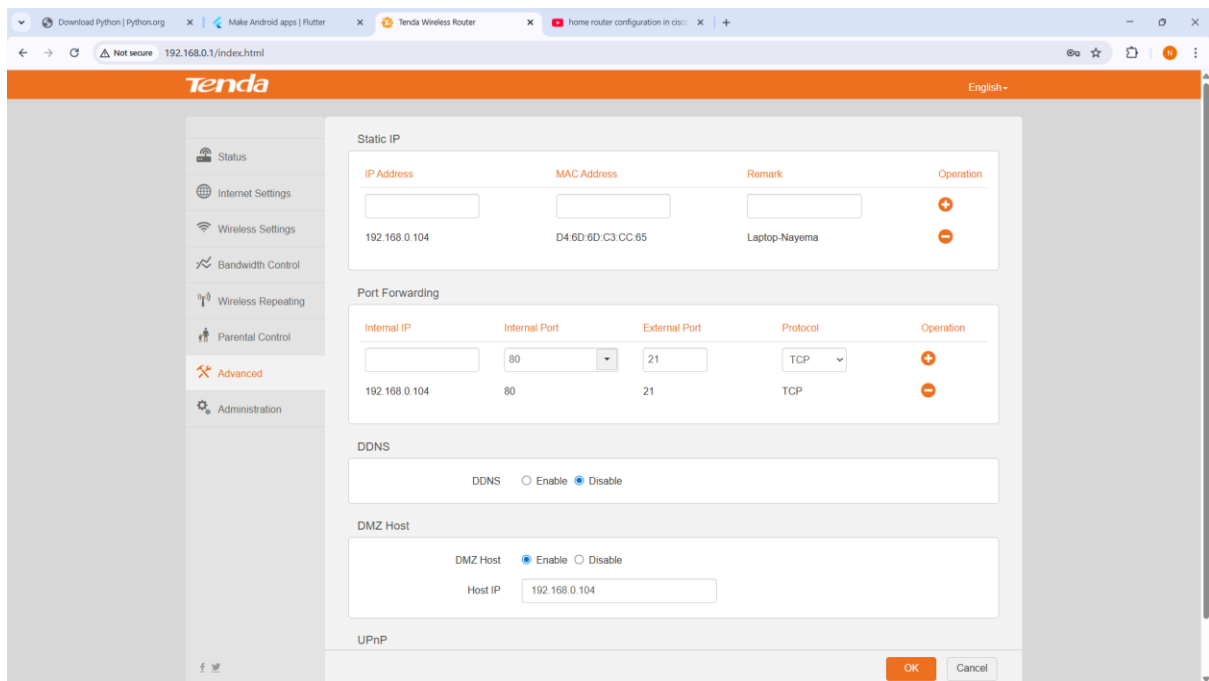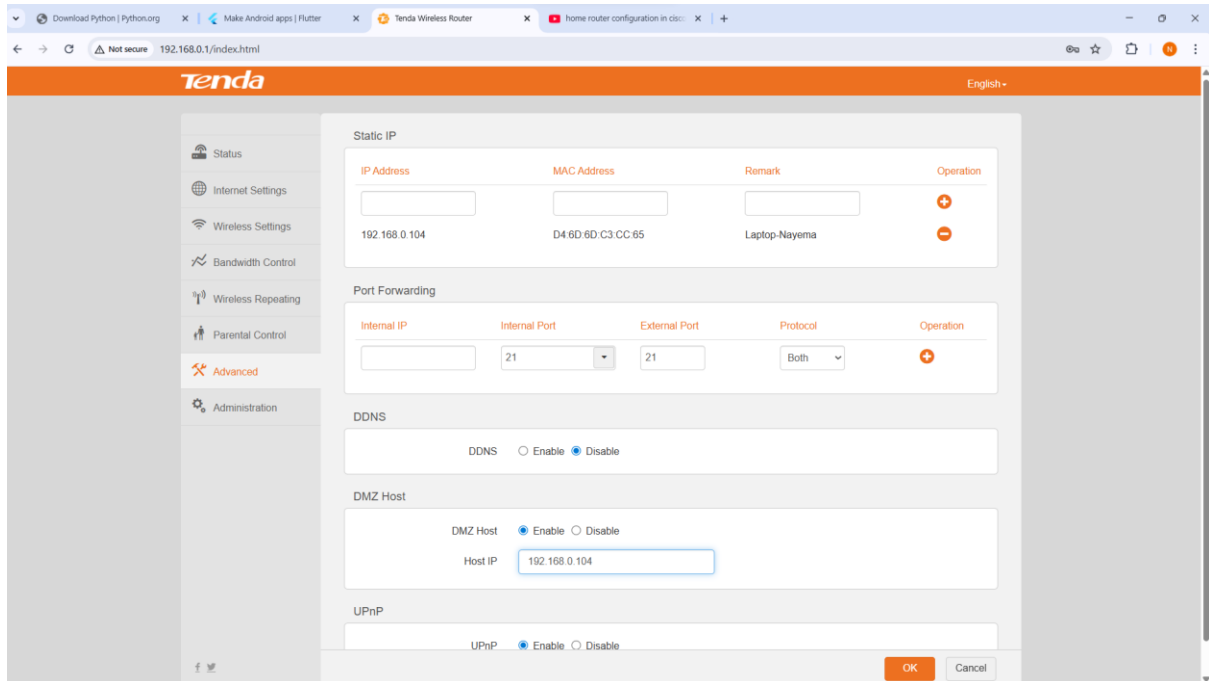
    iv. Protocol: TCP/UDP/ Both

    v. External Port: 80

2.3.1 Testing:

\# In command prompt (Windows):

python -m http.server 80

check both boxes > allow access

2.4 Enable UPnP

Enabled to allow automatic port mapping. (Zoom, Skype etc.)

    i.   advanced > UnPnP > Enable > Ok

2.4.1 Testing:

    i.   windows+R -> type cmd -> enter.

    ii.   netstat -an | find ":1900"

C:\Users\HP>netstat -an | find ":1900"

UDP   127.0.0.1:1900   *:*

 UDP   192.168.0.104:1900   *:*

 UDP   [::1]:1900   *:*

 UDP   [fe80::3a96:a7bb:d1a9:75f0%11]:1900 *:*
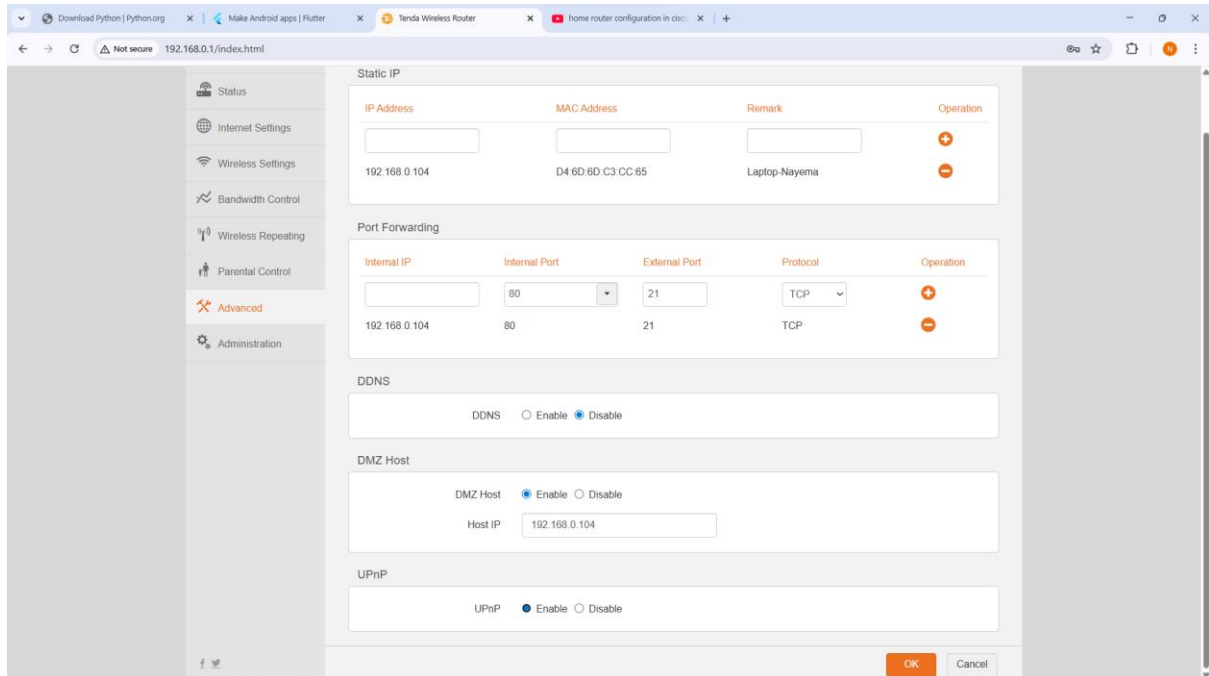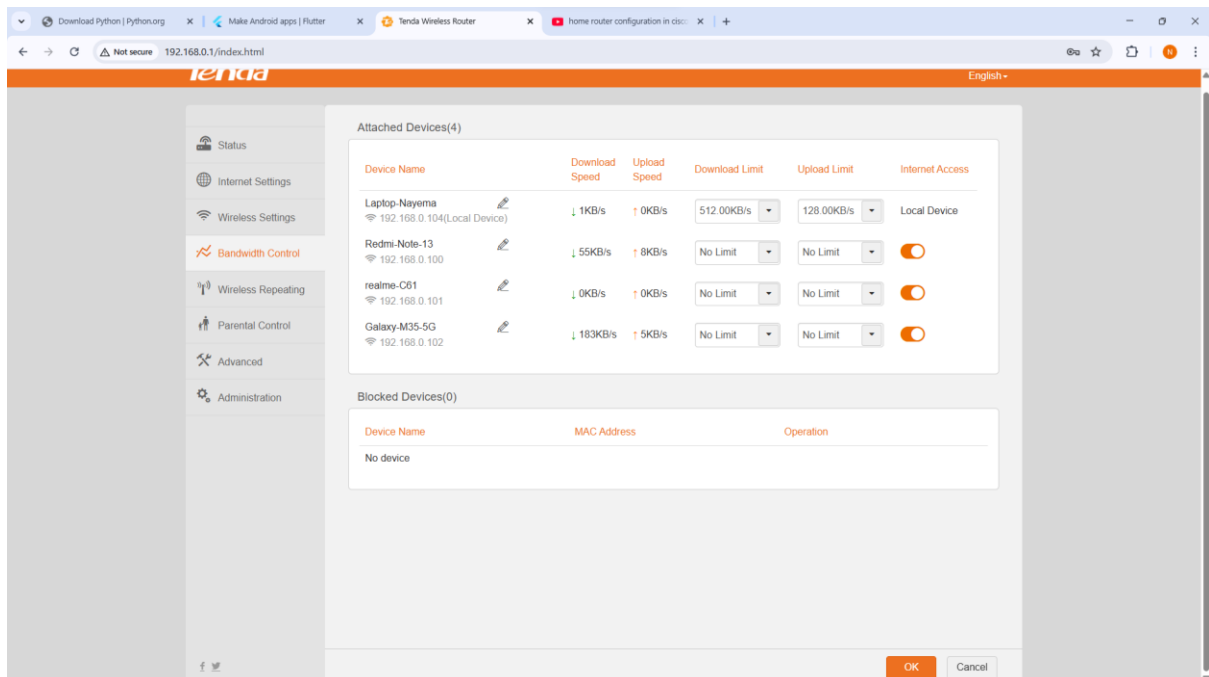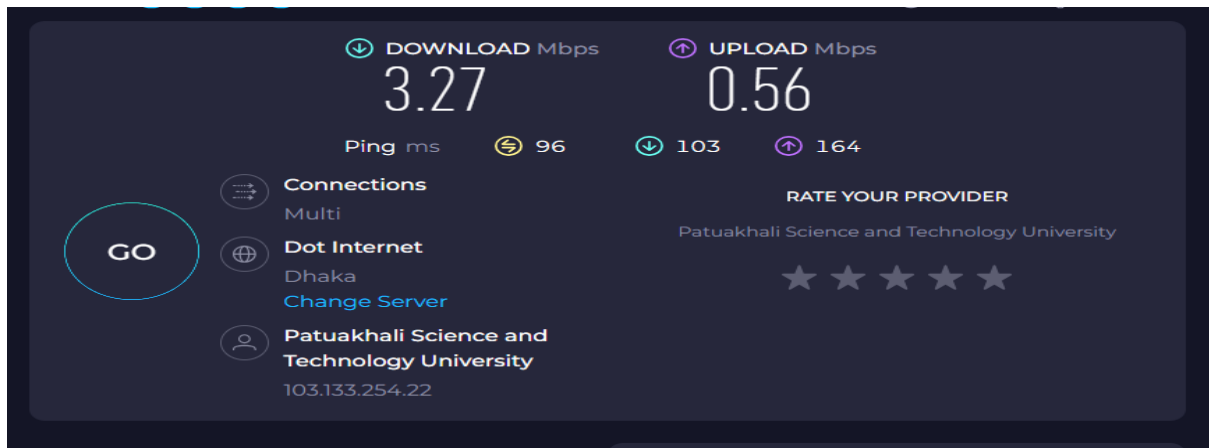

2.5 Bandwidth Control Setup

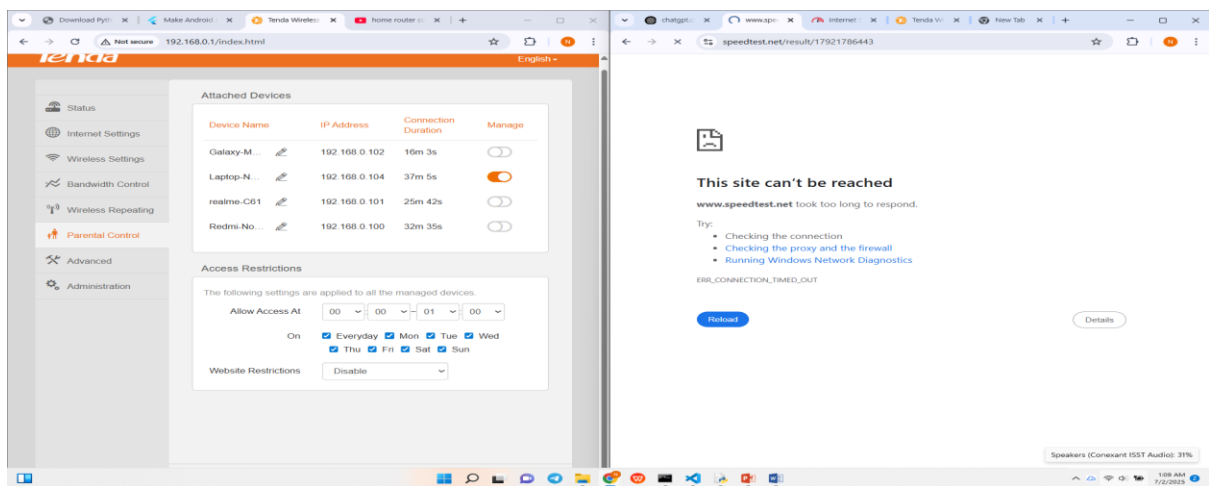Bandwidth Control > Laptop-Nayema > edit > set upload & download bandwidth > ok.
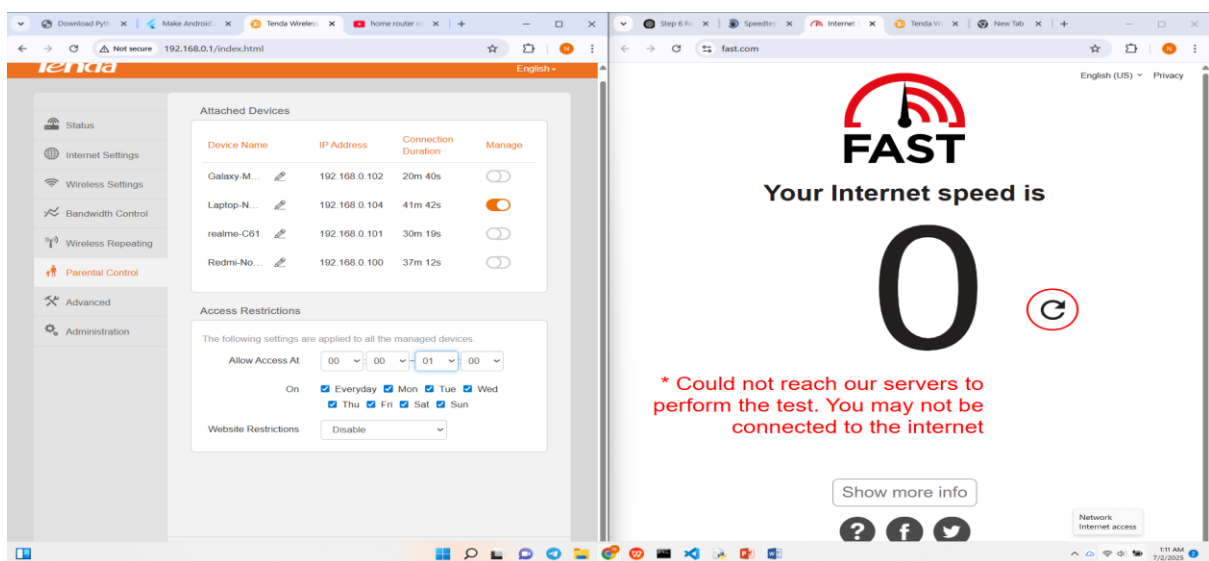

2.5.1 Testing

2.6 Parental Control Setup

Parental Control > Manage on which device's access want to change. > Access Restrictions > set > ok.

2.6.1 Testing

"Networking is not just cables and signals; it's how devices collaborate to solve problems."

The end ❖