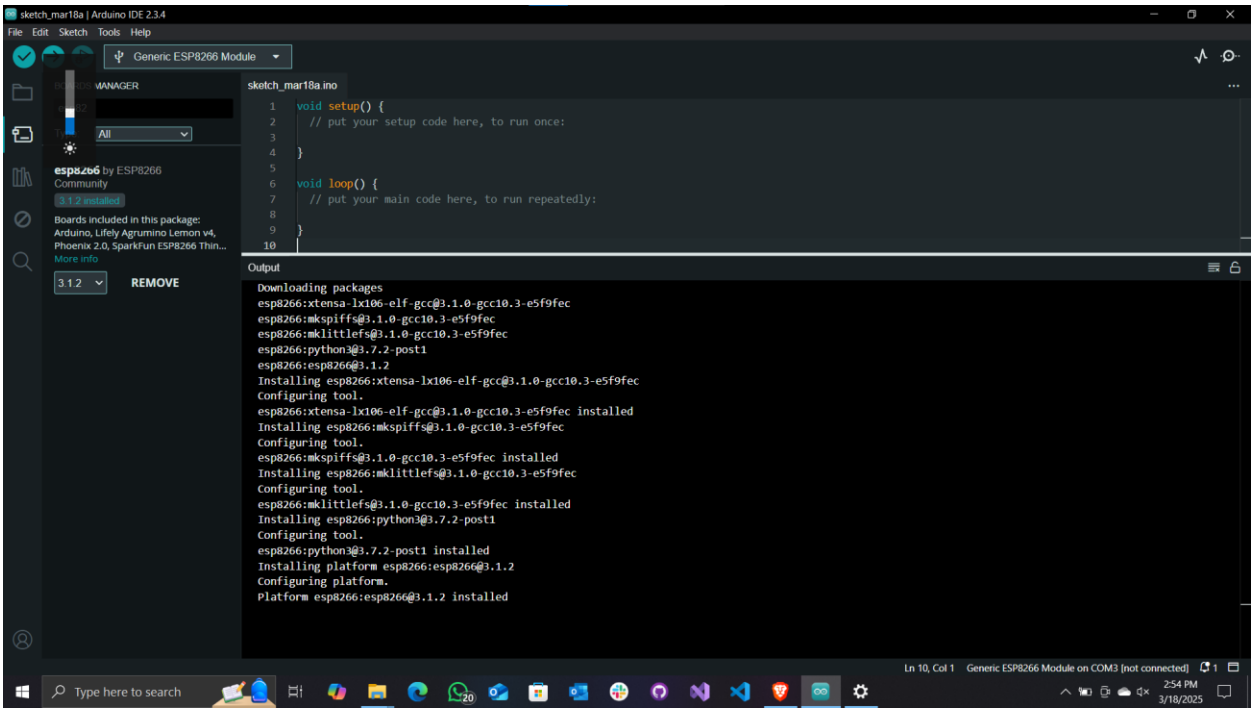
PLYMOUTH INDEX: 10953552

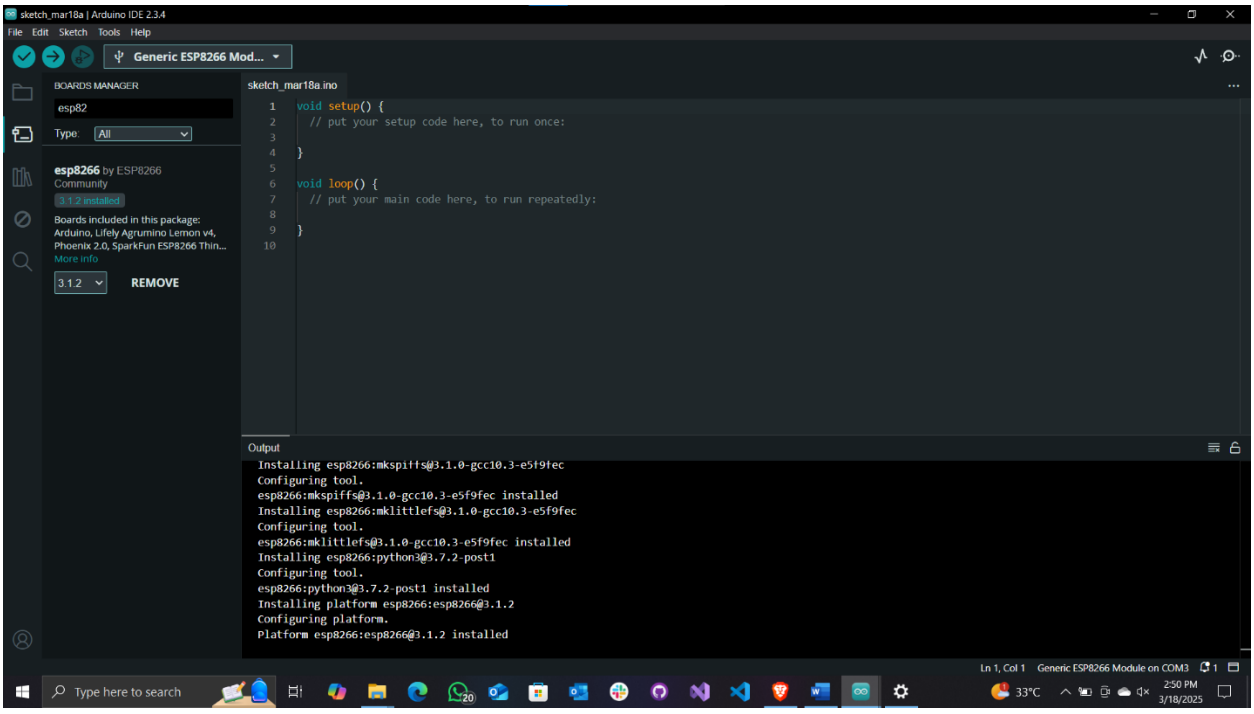
NSBM INDEX: 30040

USERNAME: Thisuri Gamage

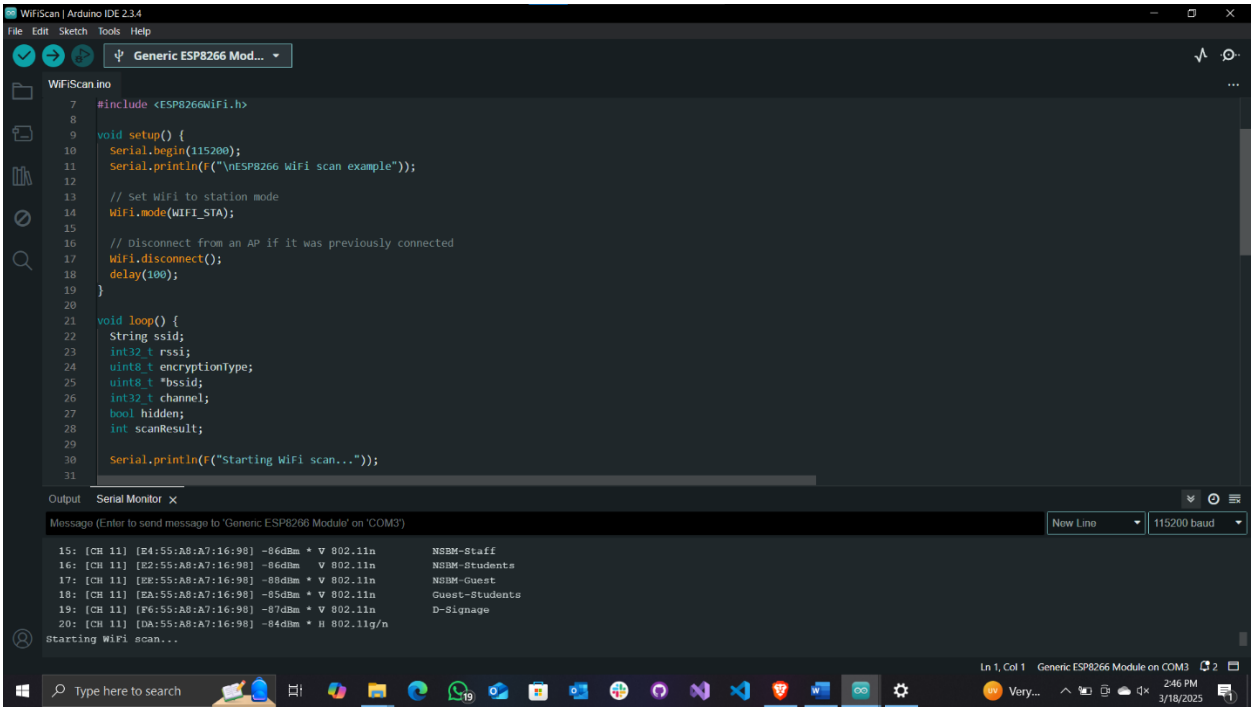
1.

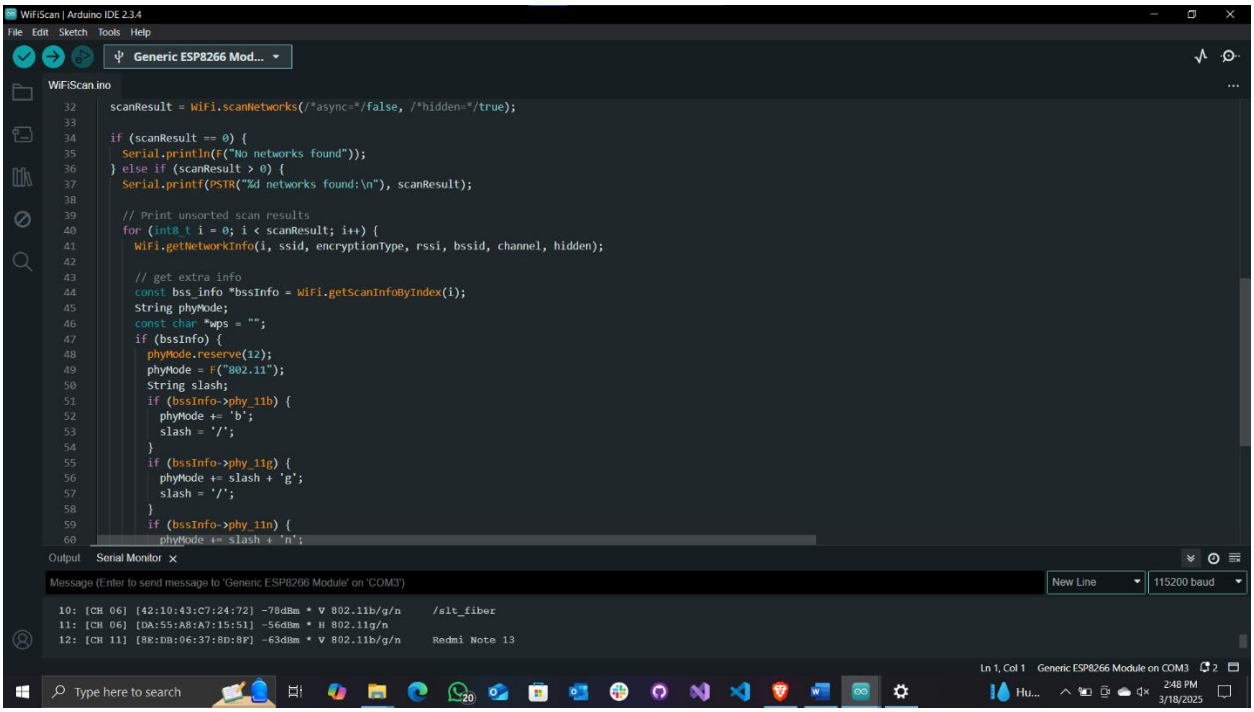
- This is a picture of downloading esp8266 package.

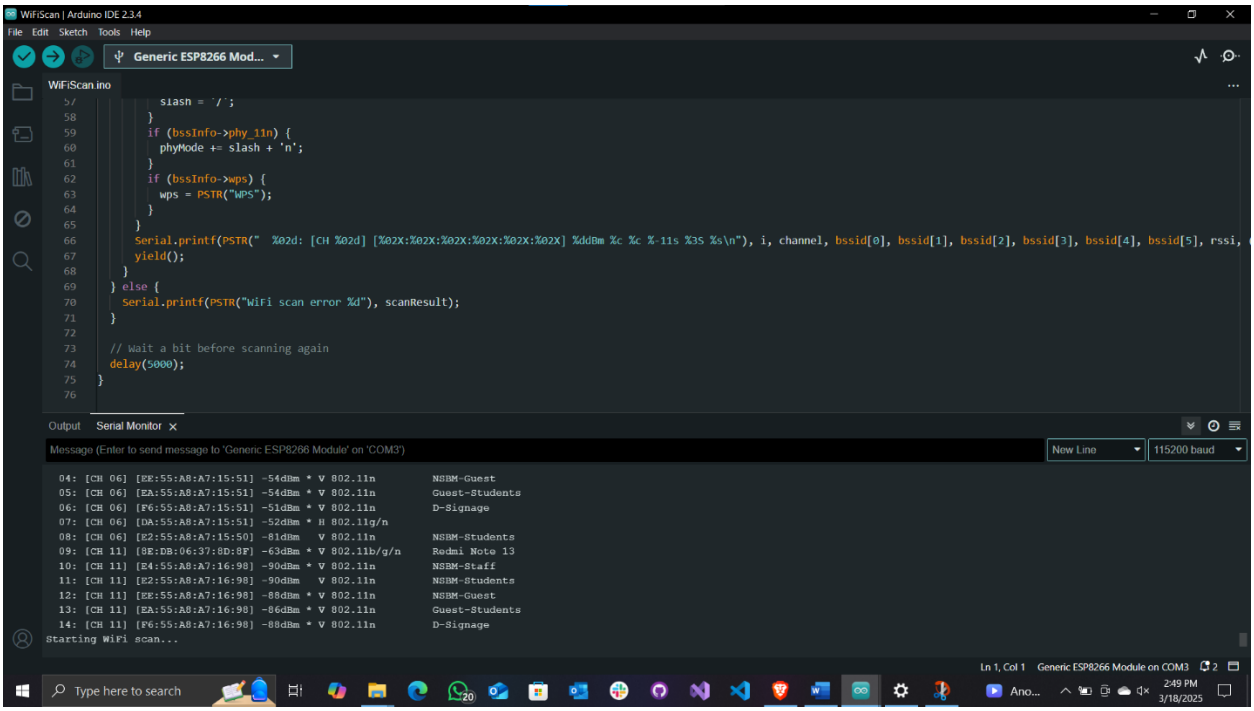


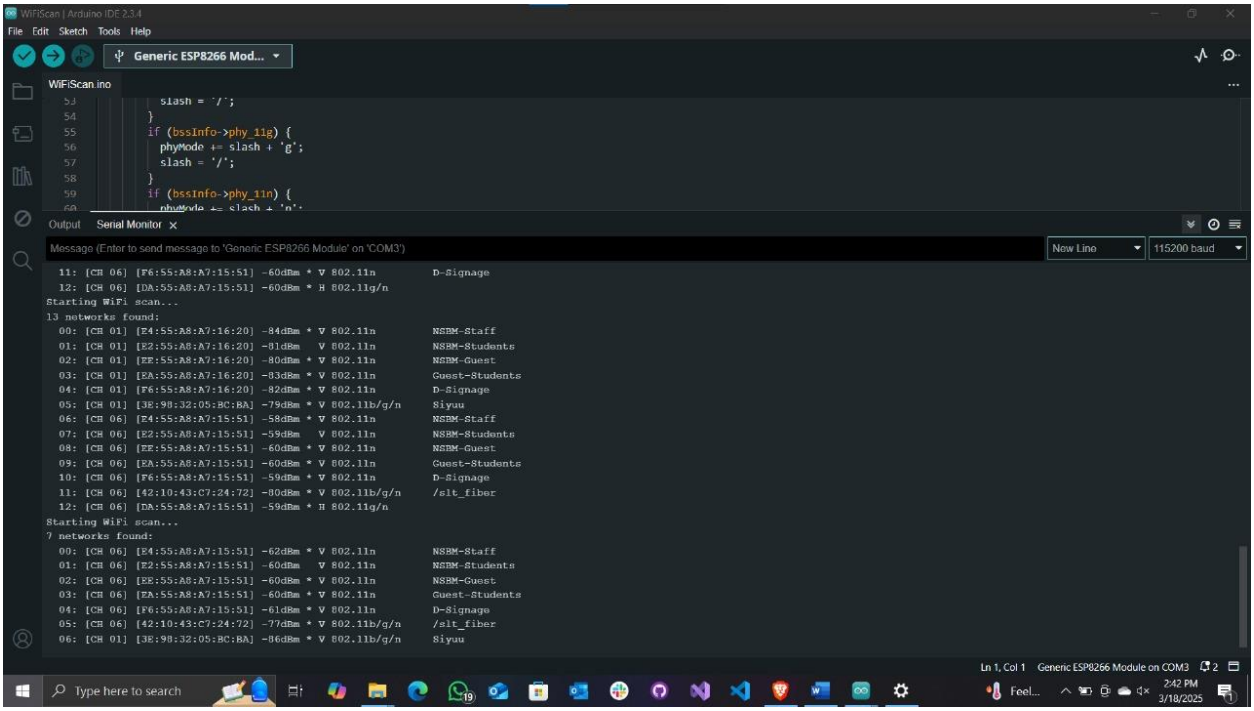
- Uploading the test code to scan the wifi networks that are available.






2. This is a Screenshot that shows all the wifi networks at the moment.



- As you can see there are,
  NSBM-Staff
  NSBM-Students
  NSBM-Guest
  Guest-Students
  D-Signage
  /slt_fiber
  Siyuu
  WIFI networks are available right now.

3. Possible challenges we could face:

   - Some systems fail to identify CH340 drivers which control the Arduino board because users need to install the driver manually.
   - The selection of an incompatible board (when using Generic ESP8266 in place of Arduino UNO) leads to upload failure.
   - The board needs a proper COM port selection to connect with the computer otherwise it will not transmit signals.
   - The process of uploading firmware to ESP8266 becomes unsuccessful when users use incorrect wiring or defective USB cables.
   - Reading the output from the Serial Monitor becomes impossible when the baud rate setting is not exact.

Gladly, I didn't run into any difficulties but I had to download cp2102 driver because it didn't get detected at first.