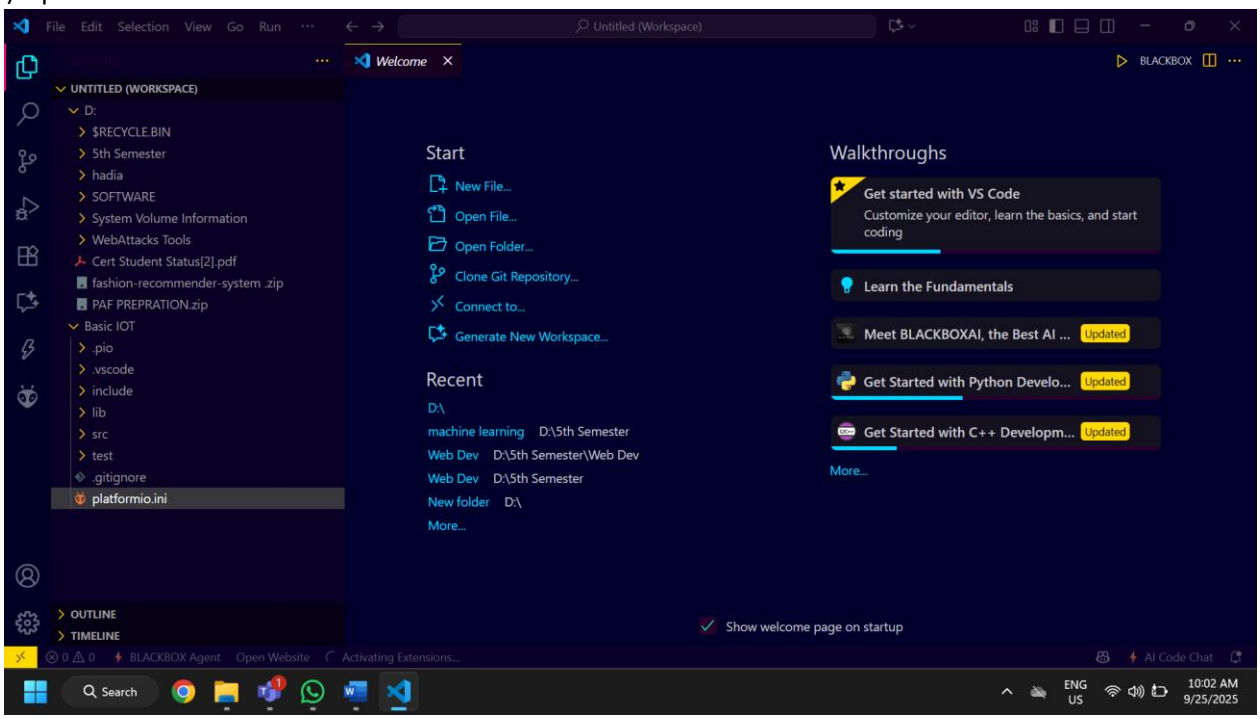
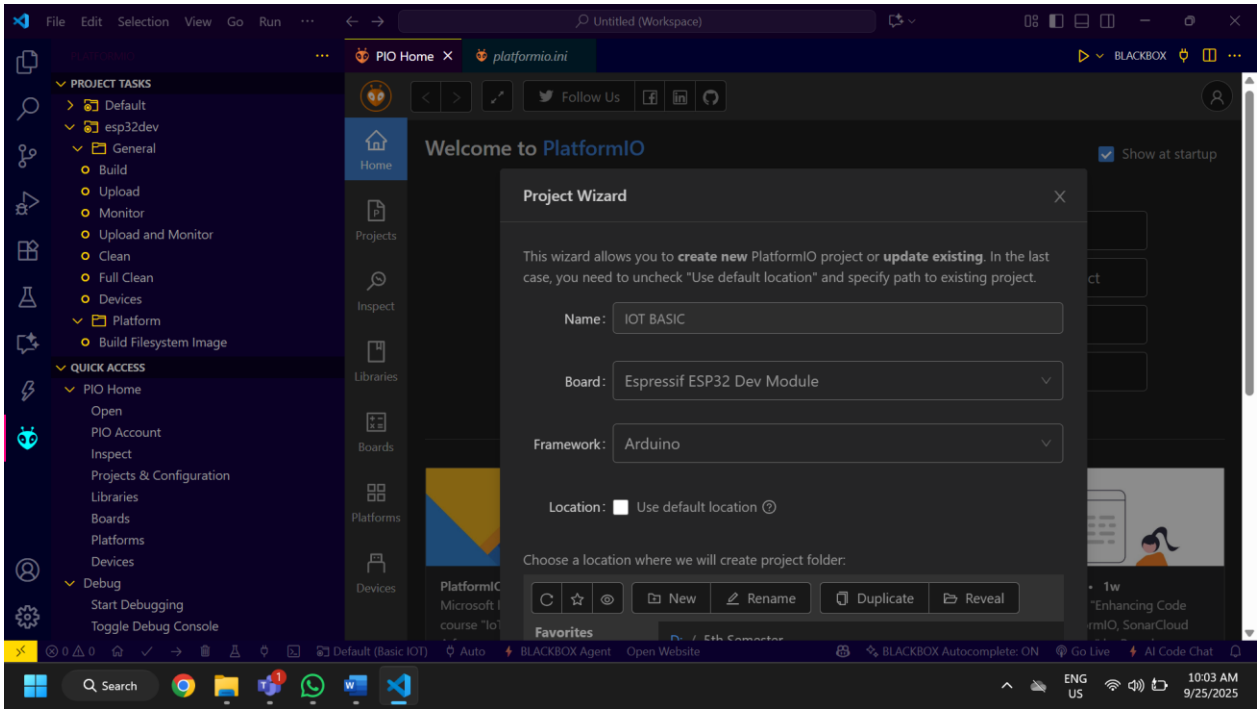
Group Member:	**Ibtisam Butt**
Registration No:	23-NTU-CS-1269
Class:	BSAI-5th
Course Name:	Embedded IOT System
Submitted To:	*Nasir Mehmood*
Submission Date:	23-09-2025

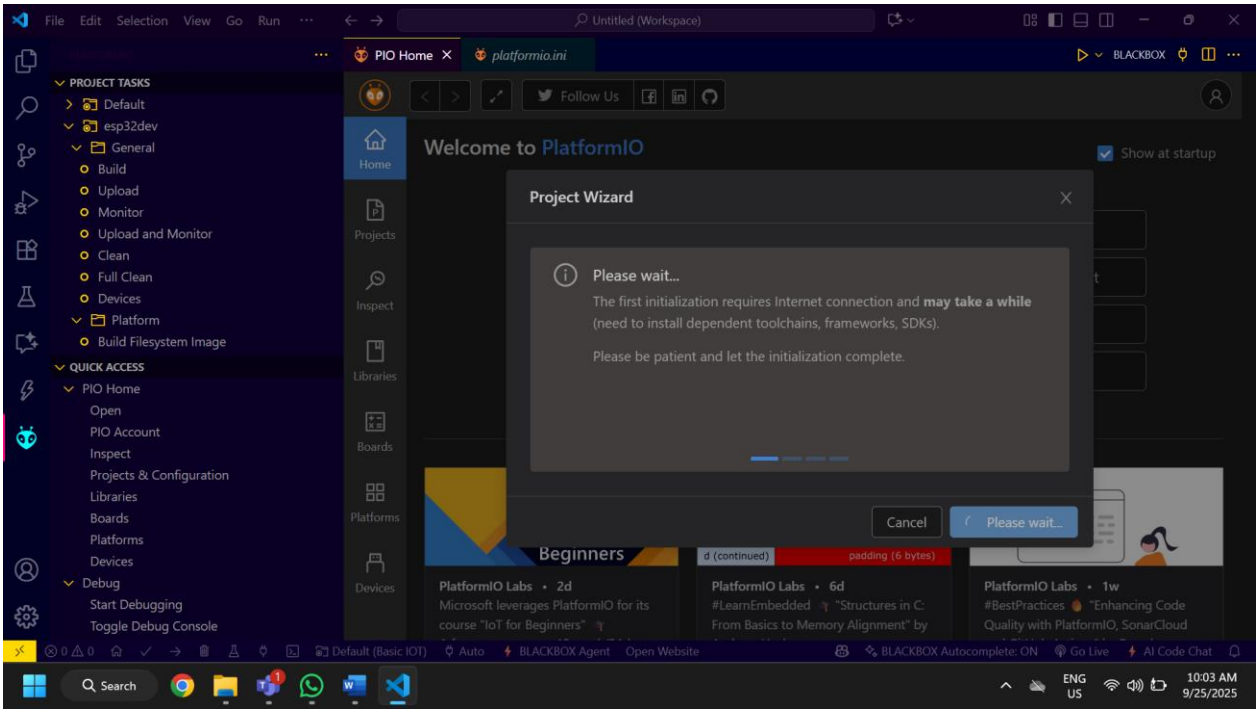
Embedded IOT System

1) Open VS Code

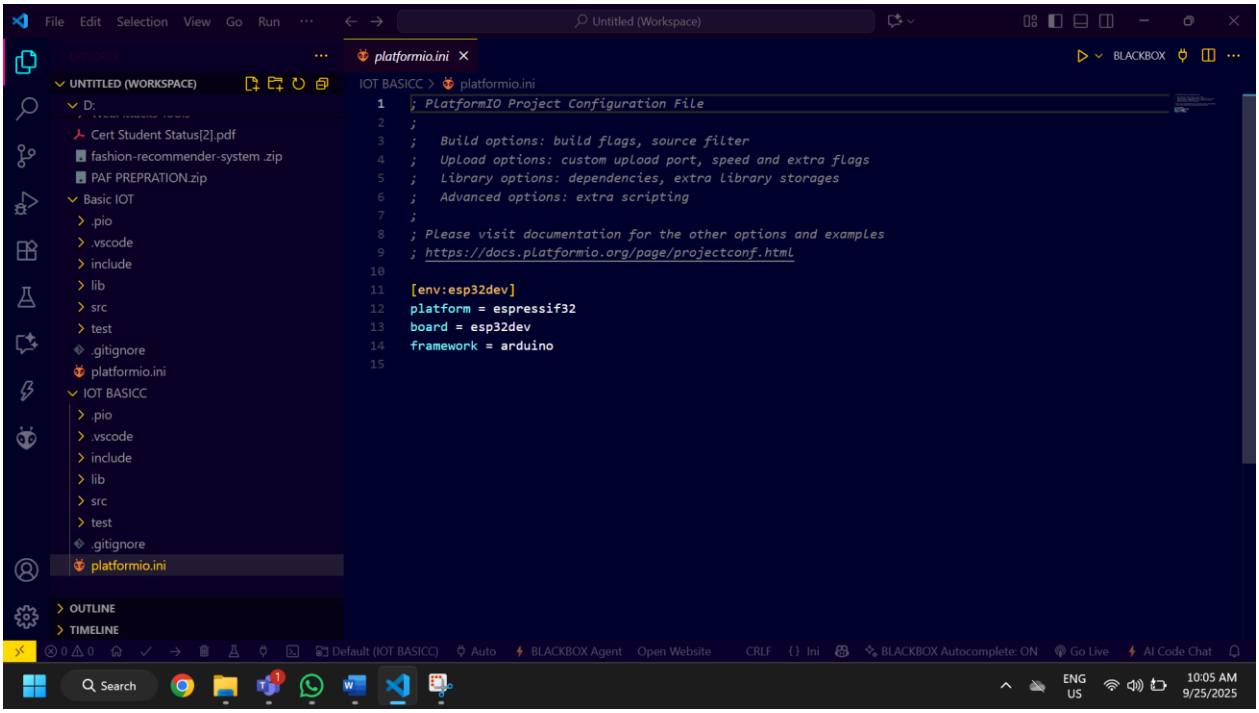


2) Create the project





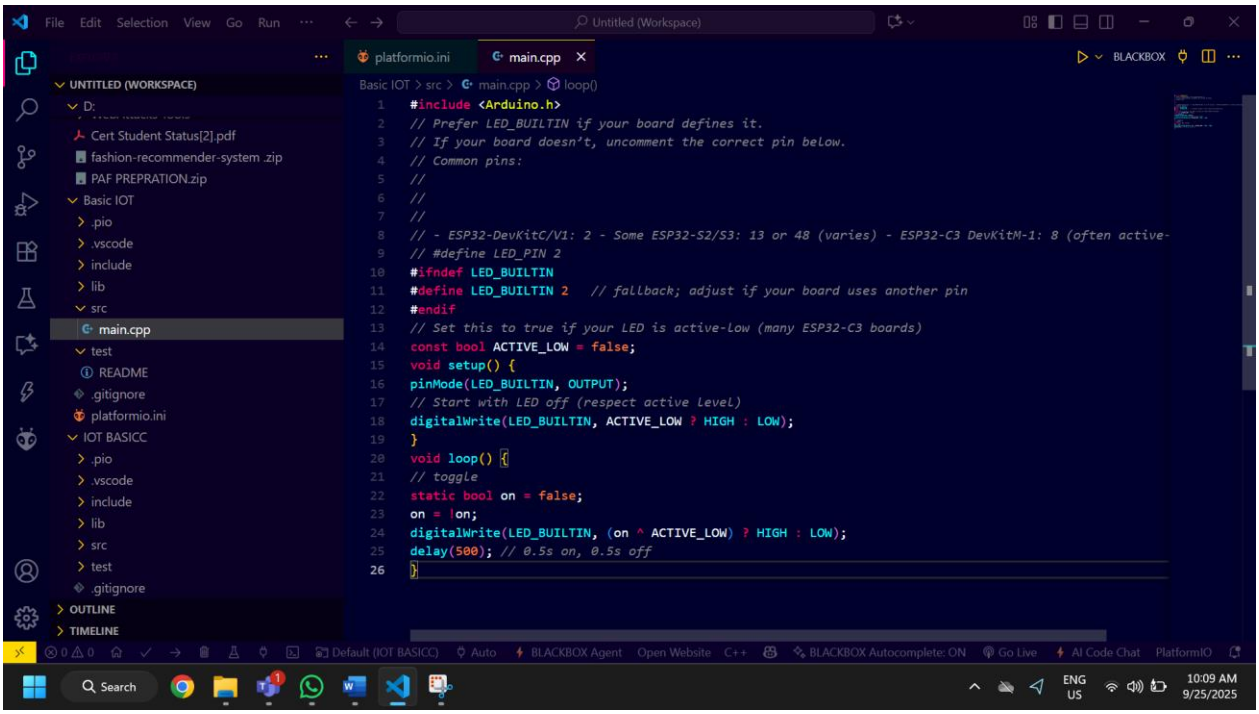
3) platformio.ini (verify this)



```
; PlatformIO Project Configuration File
;
;   Build options: build flags, source filter
;   Upload options: custom upload port, speed and extra flags
;   Library options: dependencies, extra library storages
;   Advanced options: extra scripting
;
; Please visit documentation for the other options and examples
; https://docs.platformio.org/page/projectconf.html

[env:esp32dev]
platform = espressif32
board = esp32dev
framework = arduino
```

4) Blink code (Arduino framework)



5) Build, upload, and monitor