JOURNAL -7 WEEK-10 NIKUNJ PATEL ID-9047741

OCTOBER 31, 2024(THURSDAY)

We started as phase two after midterm as a first day , I had already downloaded the Arduino IDE software before the class . During class professor introduced Arduino and breadboard and its usage and functions , basic LEDs blinking code and breadboard connection.

November 1, 2024 (Friday)

I Started from watching some videos on you tube about Arduino and its configuration as well as breadboard introduction And then started from Arranging 5 LEDs and 5 resistors in sequence on the breadboard according to the specifications.

November 2-3, 2024 (weekend)

Wrote and test the Arduino code to control the LEDs. And developed the code to turn each LED on subsequentially with 1 second delay. But code wasn't simulating because of some errors .

November 4, 2024 (Monday)

Because of I had full day classes I couldn't work properly on this but I watched some videos and gathered some ideas about tackling errors that I was facing.

November 5, 2024 (Tuesday)

Reviewed the project to ensure everything that I connected is right and also checked the code that was some errors on it.

November 6, 2024 (Wednesday)

I figured out about the errors that I was facing on breadboard . wiring on breadboard was almost done until the class but my code was incomplete .

During the class I initially struggled with the coding aspect, the assistance from my professor was invaluable in helping me overcome challenges. I successfully set up the circuit, wrote and refined the code, and documented the process during class itself.

Conclusion

The hands-on experience of setting up the circuit and programming the LEDs reinforced my learning and inspired me for the further possibilities in this subject . I feel proud that finished at the end and am excited about potential enhancements for this project,