

## **W10 JOURNAL**

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### **Thursday, October 31,2024**

- Today was our first class after the success week, there was no presentation today.
- I became familiar with Arduino today which is basically a circuit board which we can program by using code to work.

### **Friday, November 1,2024**

- Went through the pdf for Arduino uno r3, I understood the structure of it.
- Learnt about the difference between digital and analog, digital is either high(5V) or low(0V) whereas analog can be set according from 0V to 5V.

### **Monday, November 4,2024**

- Today I explored the functions of Arduino like Serial.begin(), Serial.println(), pinMode(), digitalWrite().
- Went through the Introduction of Arduino and kit for a better understanding.
- Tried to blink one LED on the breadboard using the code given by the professor.

### **Tuesday, November 5,2024**

- Today I decided to make the project at once as the interest kept building.
- I placed 5 LED on the breadboard and attached to Arduino.
- I tried to write the code for blinking them one after other consecutively but it was not working.
- By trying different structures I was finally able to complete the project when I realized its 3am.

## **Wednesday, November 6, 2024**

- Added comments to the code for better understanding.
- As the code was working I tested it again and again
- As soon as I was connecting the circuit board the LEDs started blinking.
- I decided to submit the journal and the source code file before sleeping