Progress Report 5

Arihant Tiwari, 04 July 2021

Introduction

The experimental setup was well and up, and the only task that remained was the transfer of the data to the mobile application by a wireless method. This could have been done by two pathways i.e. Bluetooth and WiFi.

Challenges

Task 1: To attach the Bluetooth/ WiFi module to the Arduino, send the data from the sensors directly to the mobile application, and do the analytics and visualization.

Task 2: To accommodate live data feed from the Arduino and plot the data or monitor the value. And also to upgrade the mobile application to detect colors via the camera in live mode.

Future Work

The plan for my upcoming week is

- Attaching the WiFi or Bluetooth module to the Arduino and configure it to send the data to the mobile application.
- To configure the mobile application, intake data from the Arduino and plot it or do the analysis on it as needed.
- Also, to upgrade the application to detect color in live mode directly through the camera.