Basic Electronics Lab Project

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Force-Based Acceleration Braking System (FABS)

PROGRESS REPORT - 1

TASK COMPLETED

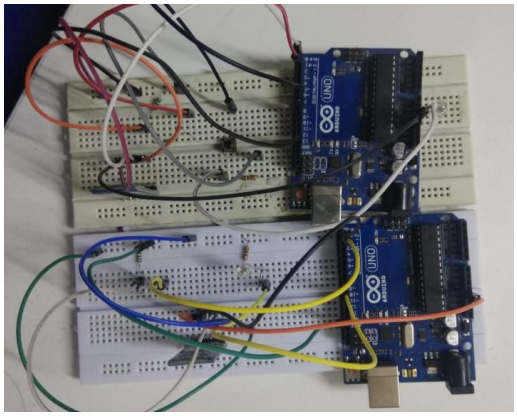
The following work has been completed as planned.

1. Established connection between to Arduino UNOs using Bluetooth HC-05 and switched on an LED.
2. Tested and soldered the Load Cells. The resulting value is represented as bits on built-in LEDs.
3. Pseudo code is ready.

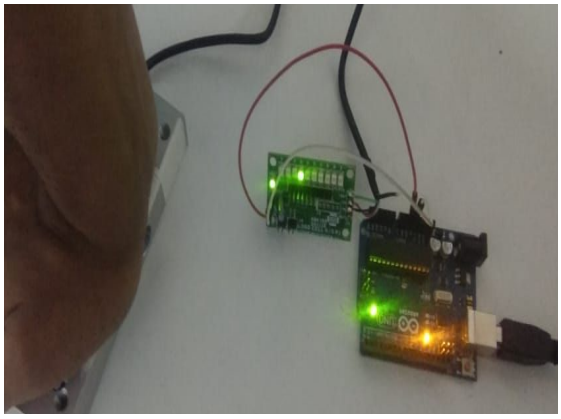
PSEUDO CODE

Pseudo code has the overall algorithm for both the User and the Vehicle side of the project.
Link for pseudo code:
https://docs.google.com/document/d/1z6nESFRp-vtsEJ_chTgvSI_HEDWP3-4hb_of5LBiZI0/edit?usp=sharing

GALLERY



Bluetooth Connection



Weight Sensor Testing

NEXT STAGE

1. Run the Motors through the motor driver and arduino.
2. Establish connection between all the components.
3. Test run the prototype.

CHANGES IN THE BUDGET

Purchase of Weight sensors was not needed as they were already available in the CEEMS/ HiDes Lab of the institute.
Therefore the effective budget of the project as of now is ₹0.
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