Daily Report

Today's Overall Progress

I.   Hardware and Firmware

- Made some components and their footprints for PCB like resistor, capacitor and microcontroller.
- Searched on Bluetooth connection.
- Searched on connections of each sensor with ATmega and started in schematic on Proteus for simulation.
- Searched on how to connect microcontroller to the GUI.
- Started in Firmware code.

II.   GUI

- Wrote the code for controlled car and indicator icons in main window.
- Started in code for camera feed and screenshot button.

III.   Image Processing

- Searched on post processing output frames to remove noise.
- Searched on stitching algorithms on opencv.

IV.   General Notes

- Software:
    - Image processing research by Mohamed Morsy.
    - Code for GUI by Youssef keshk.
- Hardware:
    - PCB library by Ahmed Waleed.
    - Simulation on Proteus by Yasmeen Ashraf
    - Schematic library by Mariam Beshr.