

Figure 1

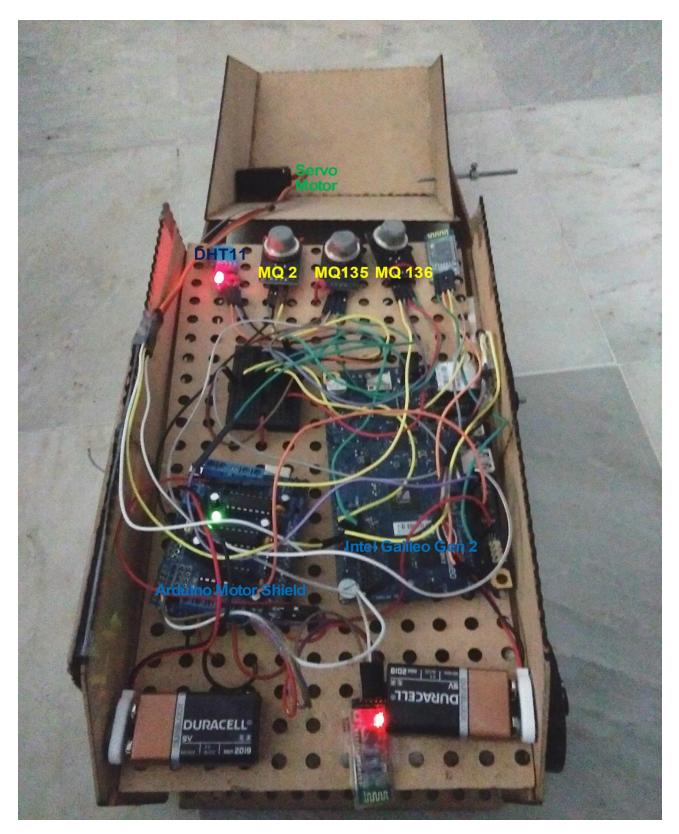


Figure 2



Figure 3

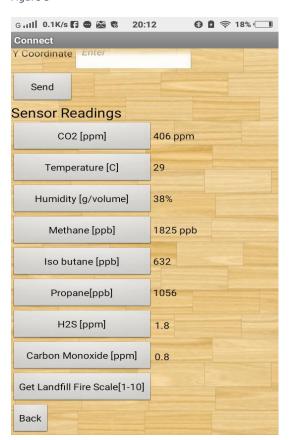


Figure 4

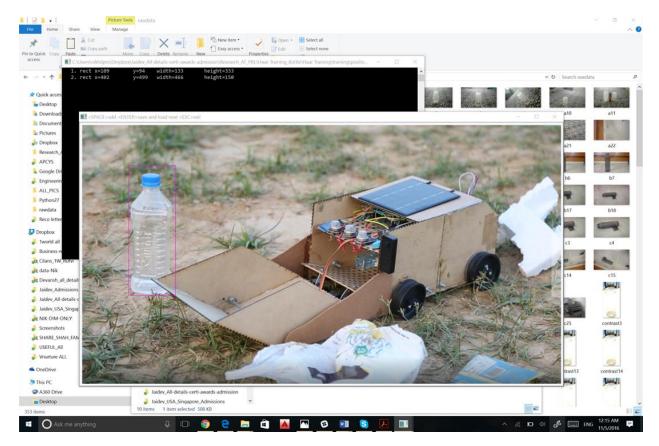


Figure 5

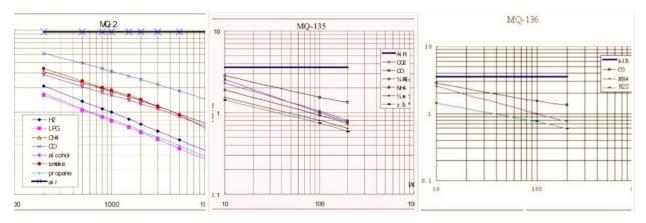


Figure 6

MQ 135 CO2 Calibration Attached: Sensitivity Characteristics
of the MQ135 Sensor
[Rs Versus ppm] Rg: Resistance output value from sensor

Power Function: y= axb 50 | ppm = a(Rs) -(1)

Ro = Rs x (axb) -(2) For initial calibration, taking average CO2 ppm in atmosphere: 401.81 ppm From points on the sensitivity characteristics plot for CO2, doing power regression I was able to obtain: a = 115.4 So, ppm = 115.4 (Rs)-7.78 Now, placing ppm=401.81 in (1) with preheat time of 20 hours, Rs was measured to be 26873 1 So, Ro = 44788.33 1

Figure 7