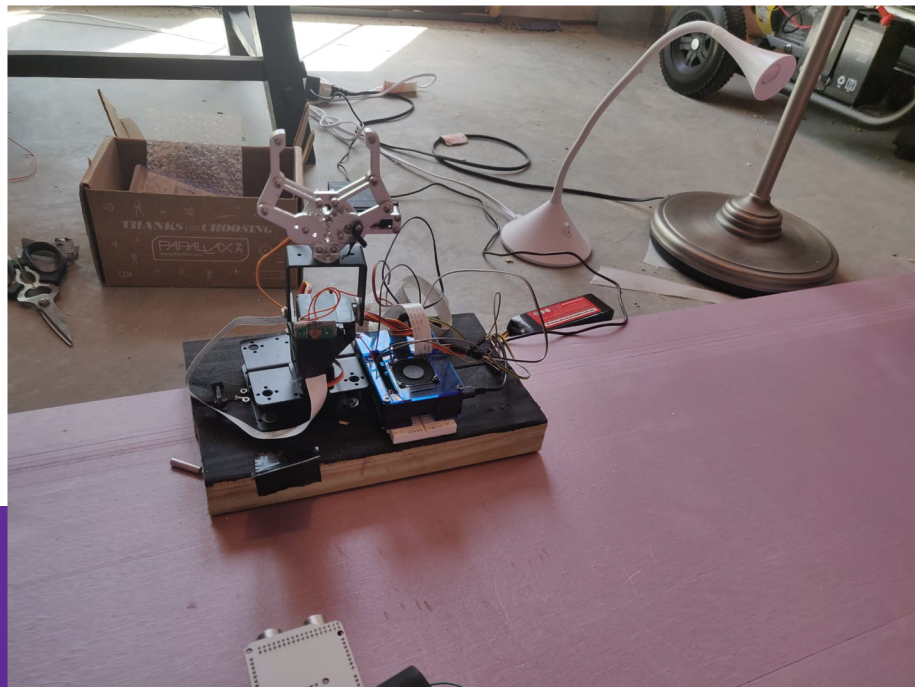


# INDUSTRIAL GOODS LOADING SYSTEM

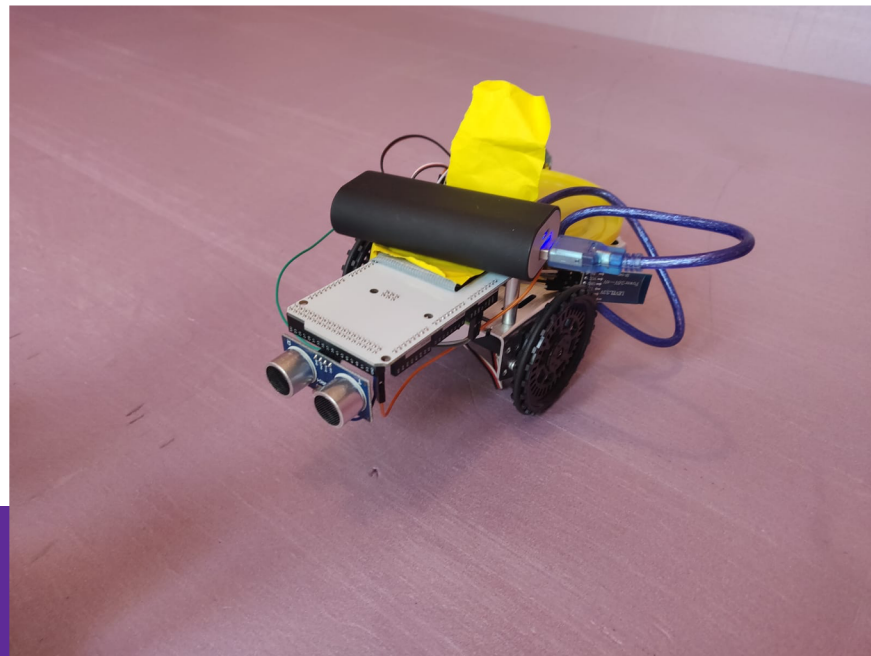
Tarun Thatvik

Vedant Desai

Smrithi Thudi



Robotic arm

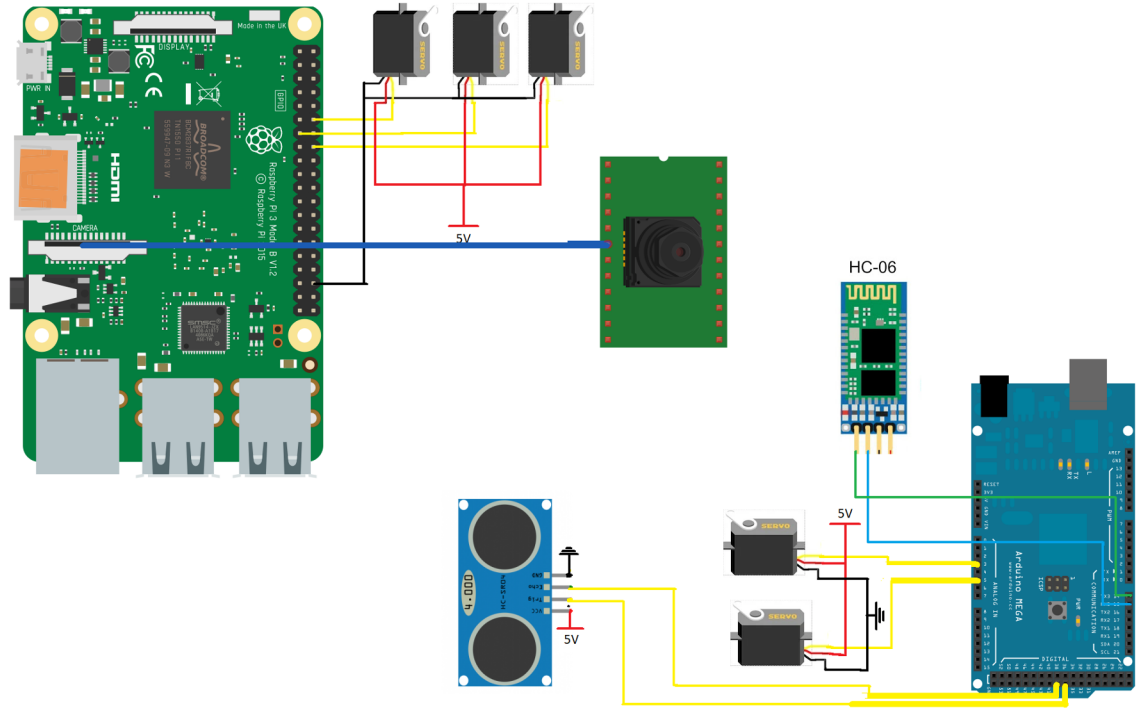


Transportation Bot

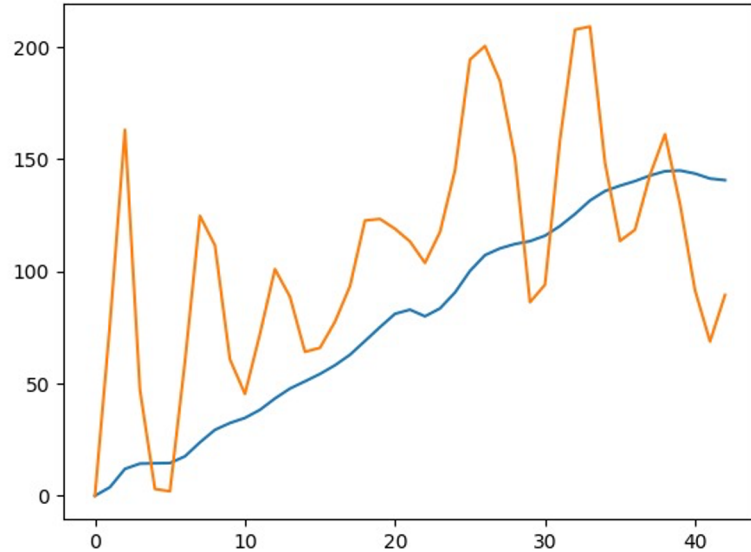
# Circuit Diagram

Rpi has only 2 pwm pins

We used 3 servos -  
wrote our own pwm  
code



# Low pass filter



`fs = 300`

`fc = 1`

`w = fc / (fs / 2)`

`b, a = signal.butter(5, w, 'low')`

`output = signal.filtfilt(b, a, xn)`

`x = np.average(xn[490:500])`

`plt.plot(xm, label='x')`

`plt.show()`

**Thank you**

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