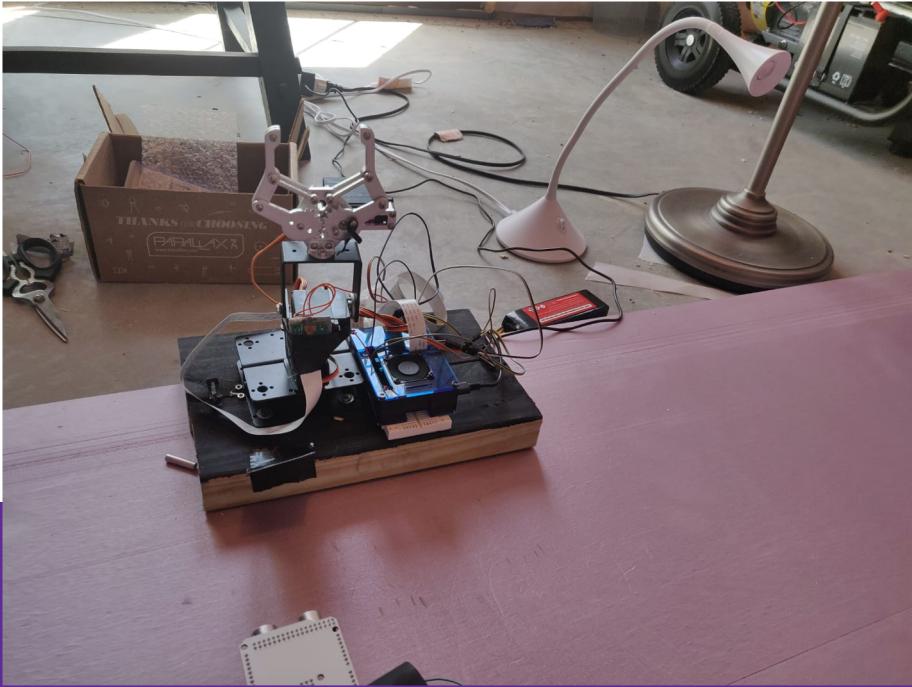


INDUSTRIAL GOODS LOADING SYSTEM

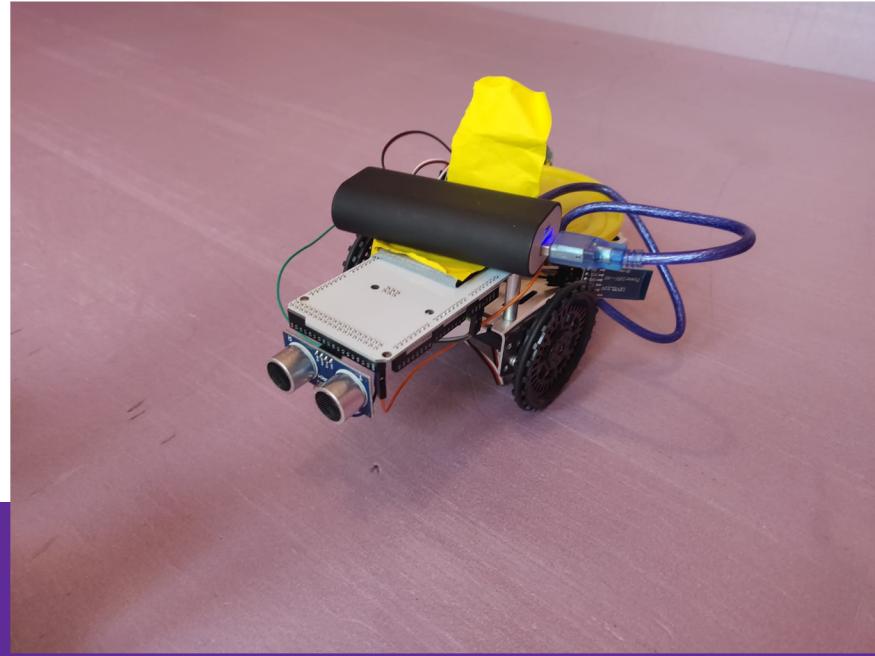
Tarun Thathvik

Vedant Desai

Smrithi Thudi



Robotic arm

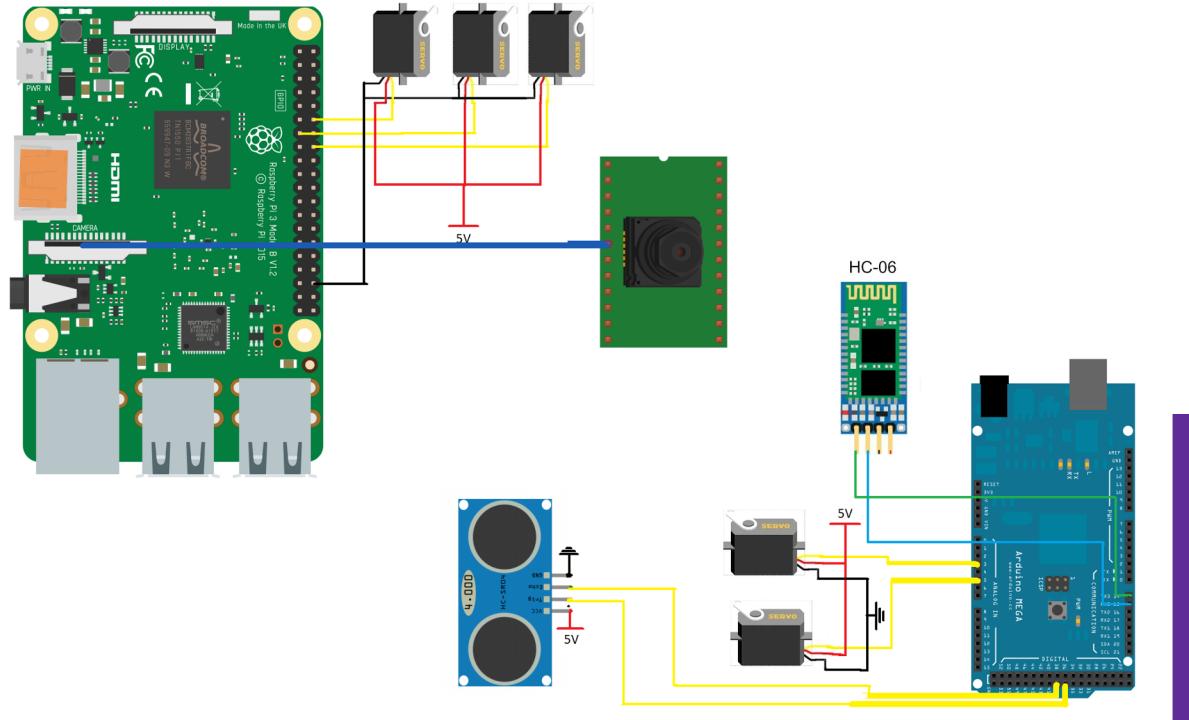


Transportation Bot

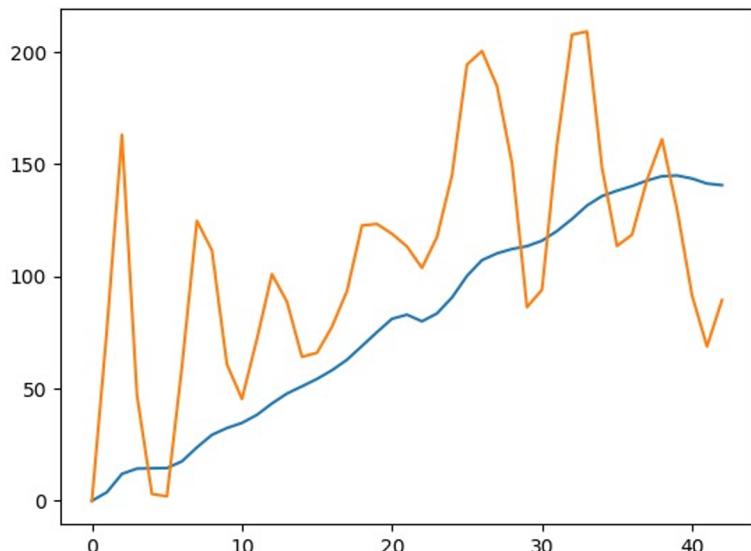
Circuit Diagram

Rpi has only 2 pwm pins

We used 3 servos -
wrote our own pwm
code



Low pass filter



$fs = 300$

$fc = 1$

$w = fc / (fs / 2)$

$b, a = \text{signal.butter}(5, w, \text{'low'})$

$\text{output} = \text{signal.filtfilt}(b, a, xn)$

$x = \text{np.average}(xn[490:500])$

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

`plt.show()`

Thank you

—