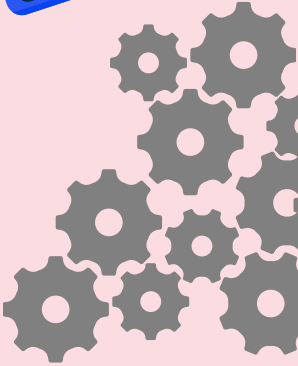
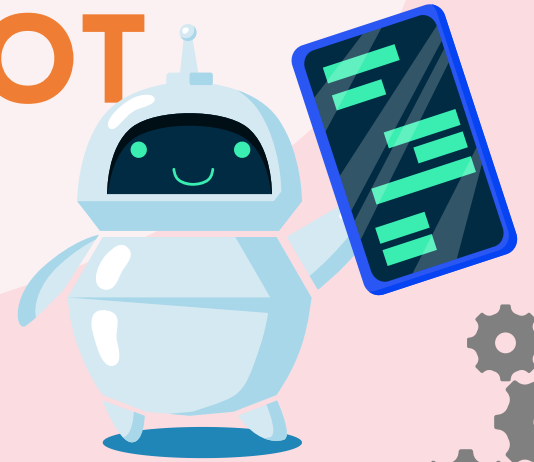


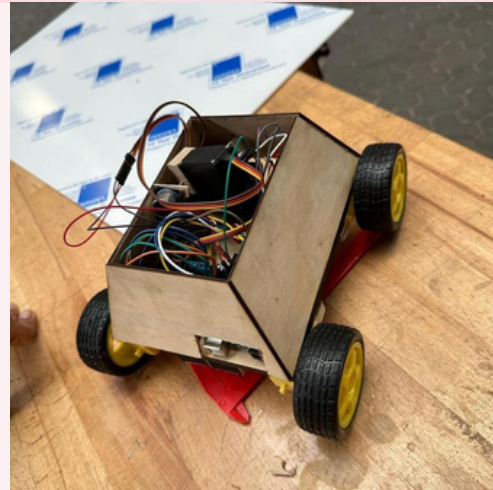
# TEAM '222'

## "JEROME" R2R ROBOT TEAM 12



### SPECIFICATIONS

The 'Jerome' robot features dimensions of H 200 x W 150 x L 250 mm, a weight of 840 grams, a cost under \$120, rough terrain capabilities with an innovative victim retrieval system and 360 surround sensing.



### STRENGTH

Built by a plywood base and acrylic panels, 'Jerome' is as sturdy as a rock. By using engineered materials, our robot achieves the strength to traverse rough terrain and hard bumps making our robot reliable in rescue scenarios.



### AESTHETICS

Inspired by the Tesla Cybertruck, we took a simple, minimal approach towards 'Jerome', adjusting the design so it would meet the requirements for climbing stairs and retrieving the victim safely.



### INNOVATIONS

Our innovations involve an ultra-light scoop. Controlled by a servo, our scoop will gently lift the victim like a baby from its arms and transport it safely to the desired destination.

