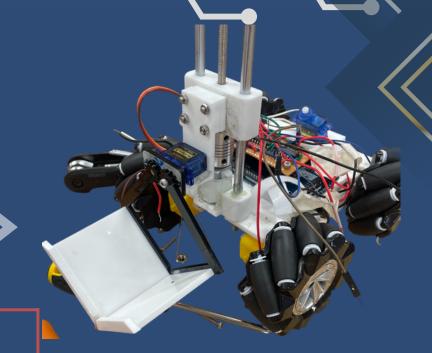
ROBOTS TO RESELVE



<u>Engineering Quality</u>

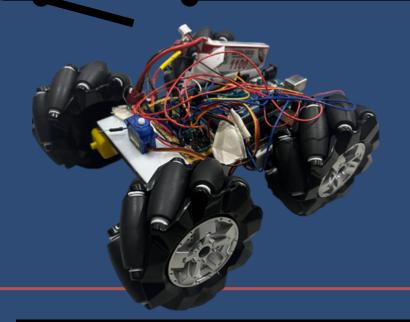
The rescue robot with an acrylic chassis is lightweight (1kg) and equipped with a claw for gentle handling of the victim at an adjustable height.

Compact and agile, it extends to 25 cm and overcomes 30mm steps easily with a wheel radius of 40mm.



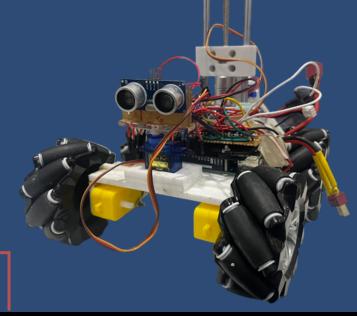
Robustness

The robot's strength is demonstrated by its large, elevated wheels for navigating rough terrain, an acrylic body for impact resistance and long-lasting ABX plastic wheels, which ensure dependable performance in challenging rescue scenarios.



<u>Aesthetic Appeal</u>

From start we aim for streamlined appearance in design with the integration of Arduino board along with circuits and battery under a single chassis, hiding the complexity and technical componenets from audience. The white acrylic chassis and metal z-axis added to a modern clean look on top of their functional advantage.



Innovation

Our robot has innovative Mecanum wheels for 360-degree movement and a z-axis screw mechanism that allows for dynamic height adjustment of the claw via a motorized, 3D-printed assembly, providing precise control when navigating and manipulating objects.

