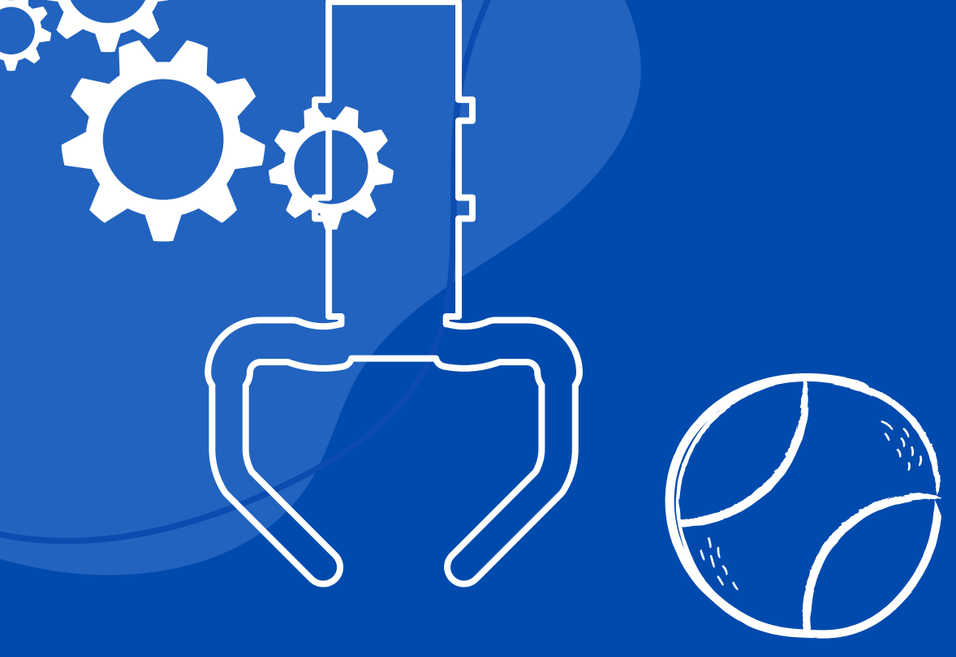
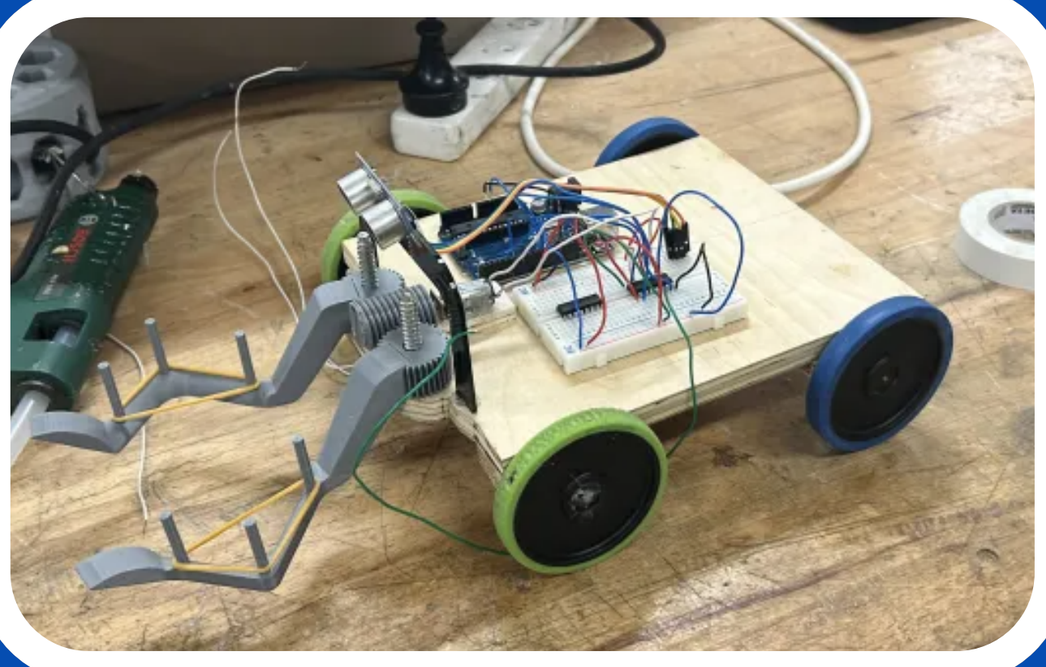


TEAM 17

ROBOTS TO THE RESCUE

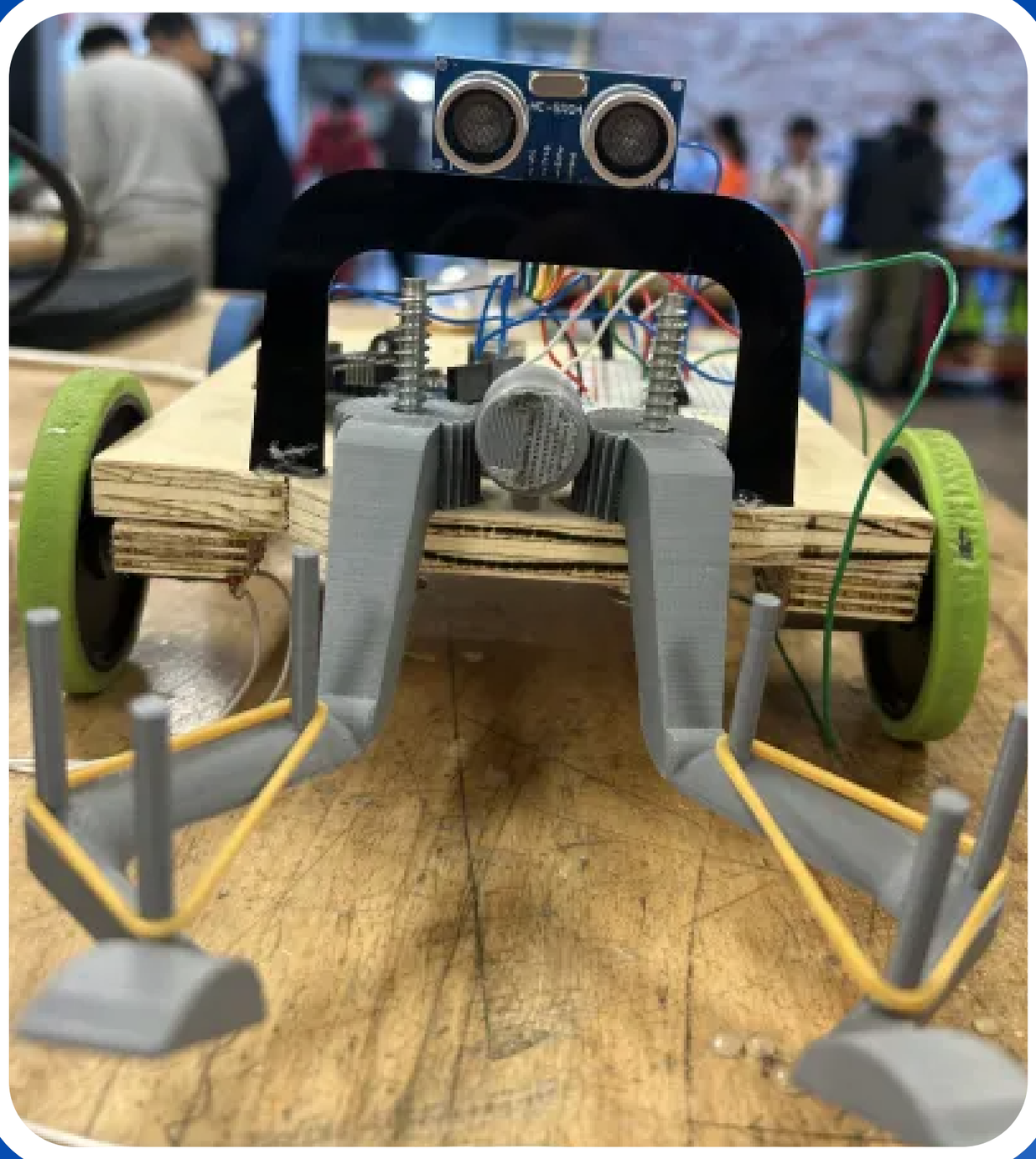
DESIGN

- Ultrasonic sensor that detects any nearby obstacles to navigate dangerous environments
- A rear-wheel drive system to prioritise manouevrability over steps and obstacles
- A claw intake to carefully transport a target, fitted with safety girders



AESTHETIC APPEAL

- Minimal yet effective design
- Sleek 3D printed claw
- Colourful and anthropomorphic features promote a trustworthy appearance



ENGINEERING QUALITY

- Claw and gears are precisely designed, and FDM 3D printed
- A flat, durable plywood chassis for ease of assembly and a low centre of gravity
- A solder-less breadboard allows components to be moved and maintained easily
- Maximised functionality with minimal expenses
- Minimalist design with dimensions of 20x34x14 cm and 900g in weigh

INNOVATION

- Two-wheel drive system that saves energy and is easy to maintain
- A slope attached to the end of the claws enable the robot to mount any step