

# ROBO-KOALA

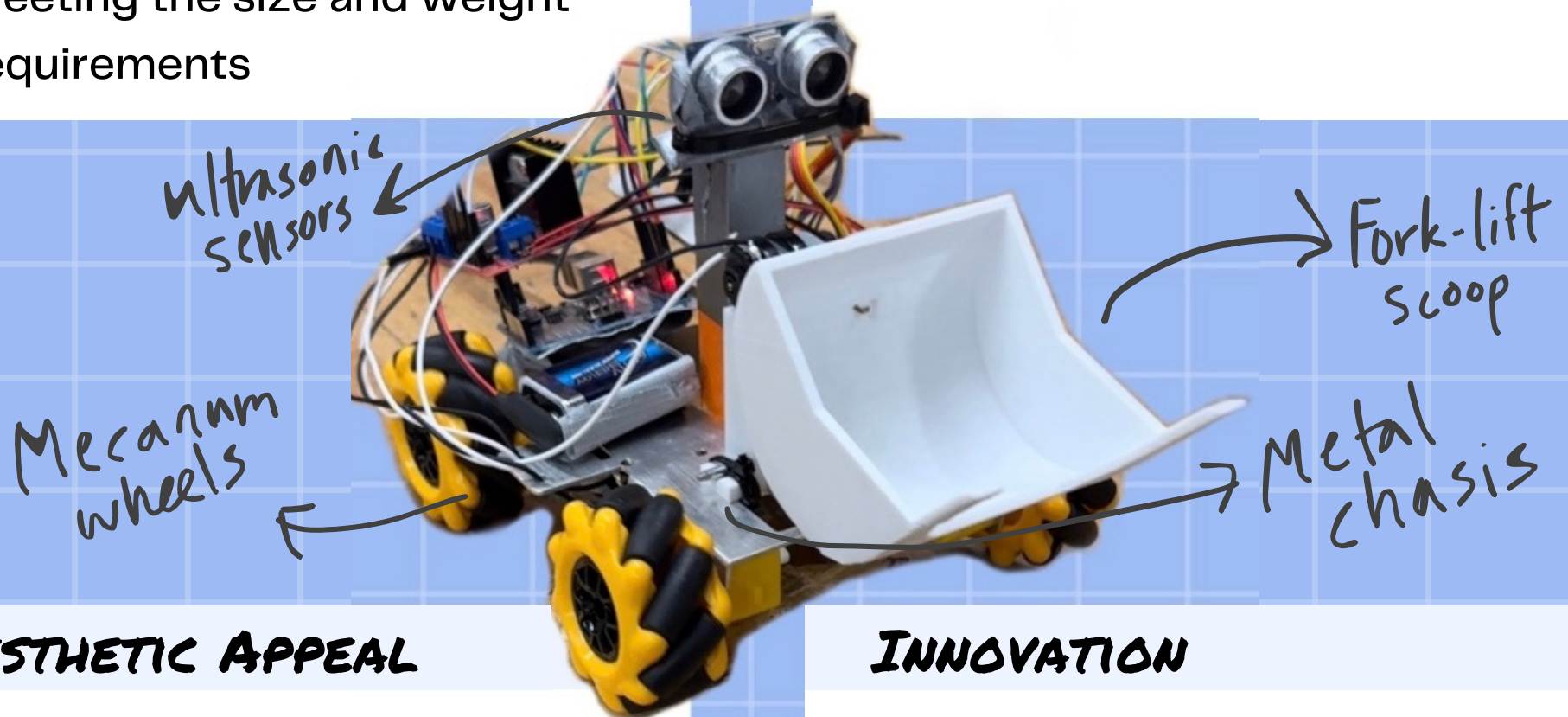
Group 9

## ENGINEERING QUALITY

- Simplistic Design
- Ensures durability and sustained long-term performance
- 2 ultrasonic sensors for accurate detection and navigation
- Compact and lightweight, meeting the size and weight requirements

## ROBUSTNESS

- 3D printed fork-lift scoop arm
- Metal alloy chassis for strength
- Choice of materials
- Frame for protecting the electronics



## AESTHETIC APPEAL

- Streamlined Design
- Minimalistic Design
- Visual clarity
- Enhanced visibility for emergency
- Showcasing a Wall-E-inspired design
- Firefighter-themed colours

## INNOVATION

- Simplistic Design
- Mecanum wheels capable of moving sideways
- Arm scoop-like system
- Incorporates LED lights and a buzzer for alerting both victims and operators

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