

# RoboRoarZ International 2024 Competition Rules

## Context

Welcome to the Lifestyle Robotics Challenge, an exciting competition designed to assess the agility, creativity, and problem-solving skills of transformer robots. In this event, participants program robots to operate through AI-powered gestures, requiring the robots to navigate designated areas, assist users, and complete assigned tasks. The primary goal of the Lifestyle Robotics Challenge is to showcase the ability of robots to function effectively by understanding user commands that mirror real-life scenarios. Participants in this competition are challenged to use intuitive, gesture-based controls effectively to demonstrate how robots can improve daily living.

## General Guidelines:

1. These rules are intended for the participants to create opportunities to innovate and test new ideas which are fundamental to gaining confidence as an engineer.
2. The competition referees and staff will make final scoring judgment calls and rules implementations.
3. The competition is open to students currently enrolled in upper primary (10-12 years old), secondary (13-17 years old), senior (16-20 years old) and tertiary category (20 years old and above)
4. Participants should consist of teams of 5 people.
5. All robots are subject to inspection prior to their competition run.
6. Participants are to maintain civility throughout the competition period. Excessive noise or harm to participants or competition infrastructures may result in disqualification.
7. The right to stop a run, declare disqualification, or give instructions as appropriate is held by the competition referees and staff.
8. Organizers reserve the right to change the rules without prior notice. The decisions of the organizers and judges are final.

## Gameplay

The gameplay and rules will be disclosed on the first day of the competition.