

Robo Cup

ROBO SOCCER

EVENT DESCRIPTION

A manually controlled robot must push the ball into the opponent's goal while defending its own.

Rules and Regulations

- Match Format: 2 halves of 1.5 minutes each.
- Teams switch sides after halftime.
- Tie-breaker (1 min) if scores are tied.
- Controlled ramming allowed when opponent has the ball.
- Corner trapping for over 10 seconds results in a reset.
- 1-minute repair time allowed for bot malfunctions.

Robot Specifications

- Size Limit: 300mm x 300mm x 300mm
- Weight: $\leq 5\text{kg}$
- Control: Wired/wireless
- Power: Max 24V battery (No IC engines)
- Kicking mechanisms prohibited
- Clamps must be stationary, maximum 15 cm wide and max 8 cm deep, with a 90° angle and a flat profile in front.

Arena Details

Size: 6.0ft \times 8.0ft with 30-35cm goalposts.

COORDINATORS

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