

ROBO KICKOFF

Event Overview:

Robo kickoff is an exciting robotic adaptation of soccer, featuring two teams of autonomous robots competing on a mini soccer field. The goal is to outscore the opposing team by maneuvering the ball into their goal using strategic movements and teamwork.

Team Requirements:

- ☐ Teams must consist of 3 to 4 members.

Event Criteria:

The event will focus on:

Task: Each bot starts from its designated position and aims to move the ball into the opponent's goal by either hitting or throwing it. The arena dimensions are 8ft x 6ft, and the ball diameter ranges from 5cm to 7cm.

Bot Specifications:

- The bot must fit within 25cm x 25cm x 20cm. Exceeding these dimensions will result in a penalty of -10 points per cm for the first 5 cm; beyond 5 cm, disqualification will occur.
- Minimum dimensions : 20cm x 18cm x 10cm.
- Only DC-powered components (up to 24V) are allowed, and the power source must be contained within the bot.
- Bots can be controlled via wired or wireless remote.
- Tension or tightening of wires will result in point deductions.
- Ready-made Lego kits or similar assemblies are not permitted.

Rules and Guidelines:

- Participants must register by completing the Google form for the event.
- All participants must report 15 minutes before their allotted time slot; late arrivals may be disqualified.
- A goal is only valid if the ball fully crosses the goal line.
- Battery changes are not allowed during matches.
- Deliberately damaging the opponent's bot will lead to disqualification.
- Bots with hazardous mechanisms may be disqualified by coordinators.
- Penalties include:
 - Intentionally touching or damaging the opponent's wires.
 - Picking up the ball with any bot.
- Penalties result in a penalty kick for the opponent, with no defending bot allowed.



- After two penalties, the offending bot will be removed from the arena for 20 seconds.
- Damaging the arena will result in point deductions.
- Rule violations will lead to immediate disqualification.
- Misbehaviour will result in disqualification.
- NEXUS is not responsible for late, lost, or misdirected entries.
- The organizing committee reserves the right to amend rules as necessary, with participants notified of changes via email, message, or WhatsApp.
- The jury's decision is final and binding.

Prepare your bots, strategize your gameplay, and may the best team emerge victorious in ROBO KICKOFF !!!!

Contact For Queries:

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