



## ROBO RALLY

### Event Overview:

Get ready for the ultimate showdown of robotic prowess in Robo rally ! This high-speed, adrenaline-fueled competition pits Arduino-based bots against each other in a race that tests speed, agility, and intelligence. Witness the convergence of cutting-edge technology and fierce competition as bots navigate the track with precision and skill.

### Team Specification:

- The team can have a minimum 2 members and maximum 4 members.

### Event Criteria:

Points are awarded based on the minimum time taken to complete the race. The bot with the highest points will be declared the winner.

### Bot Specifications:

- Maximum dimensions: 25 cm x 25 cm x 15 cm (LWH). Bots exceeding these dimensions will be disqualified.
- Minimum dimensions: 20cm x 18cm x 10cm.
- Control: Bots must be controlled wirelessly.
- Maximum weight: 3 kg.
- Power supply: Maximum allowed is 18V.
- Lego kits and other pre-made kits are prohibited.

### Event Details:

- The race will take place on a straight track measuring 40-50 meters.
- Bonus points will be awarded for hitting bonus sections on the track.
- Moving off-track will incur a time penalty proportional to the duration spent off the path.
- Human intervention will result in a +5 second penalty.
- Bot collisions are allowed and will not result in penalties.



### Rules and Guidelines:

- Teams must register through the provided Google form.
- Arena dimensions will be provided in advance.
- External power supplies are not permitted.
- Preparation time will be allotted before the competition begins.
- There are no checkpoints on the track.
- Time taken by each bot will be a crucial factor in the judgment.
- Only one team member can control the bot at a time.
- Lego kits, their spare parts, or any pre-made mechanical parts are not allowed.
- Participants must report 15 minutes before their scheduled time. Late arrivals may be disqualified.
- All team members must have a valid college ID card to participate.
- Misbehaviour during the event may 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 registered participants being notified of changes via email, message, or WhatsApp.
- The jury's decision is final and binding.
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Prepare your bots, gear up for the race, and compete for glory in ROBO RALLY!!!

### Contact for Queries:

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