



ORGANIZED BY ROBOFORGE

CLASH OF WHEELS



Prize Pool:Rs 16000

Registration Fee:Rs 199(NITN) & Rs400(Outsiders)

DATE:1 NOVEMBER 2025

LOCATION: NIT NAGALAND

VENUE: FOOTBALL GROUND NITN



Clash of Wheels

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Overview:

Clash of Wheels is a thrilling RC car racing competition hosted by the RoboForge Club of NIT Nagaland during Tech Avinya the tech fest of NIT Nagaland. Racers must navigate their RC cars through a challenging obstacle track designed to test skill and control. The event focuses on speed, precision, and driving mastery. It offers a high-energy racing experience for both participants and spectators.

Team details:

- Team formation can be either Solo or a team of up to 6 where there is a team leader and max of 5 members.
- Anyone can participate in the race from school students to college students to any adult and profession racers. The race will be common for everyone.

Specification of RC car:

- There is no restriction on weight of RC Car.
- There is no restriction on size of RC car.
- There is not restriction on speed of RC car.
- Ready-made purchased RC cars will not be allowed. The RC cars should be self-made and can use any open-source resources.
- Only battery power cars are allowed.
- Cars must be fully manual control no use of AI and automatic driving.
- Make sure that u can change channels of your transmitter and receiver so there is no interference with signal of someone else transmitter.
- Transmitter should have minimum range of 10m at LOS.
- Any transmitter and receiver can be used at any legal frequency and power level.

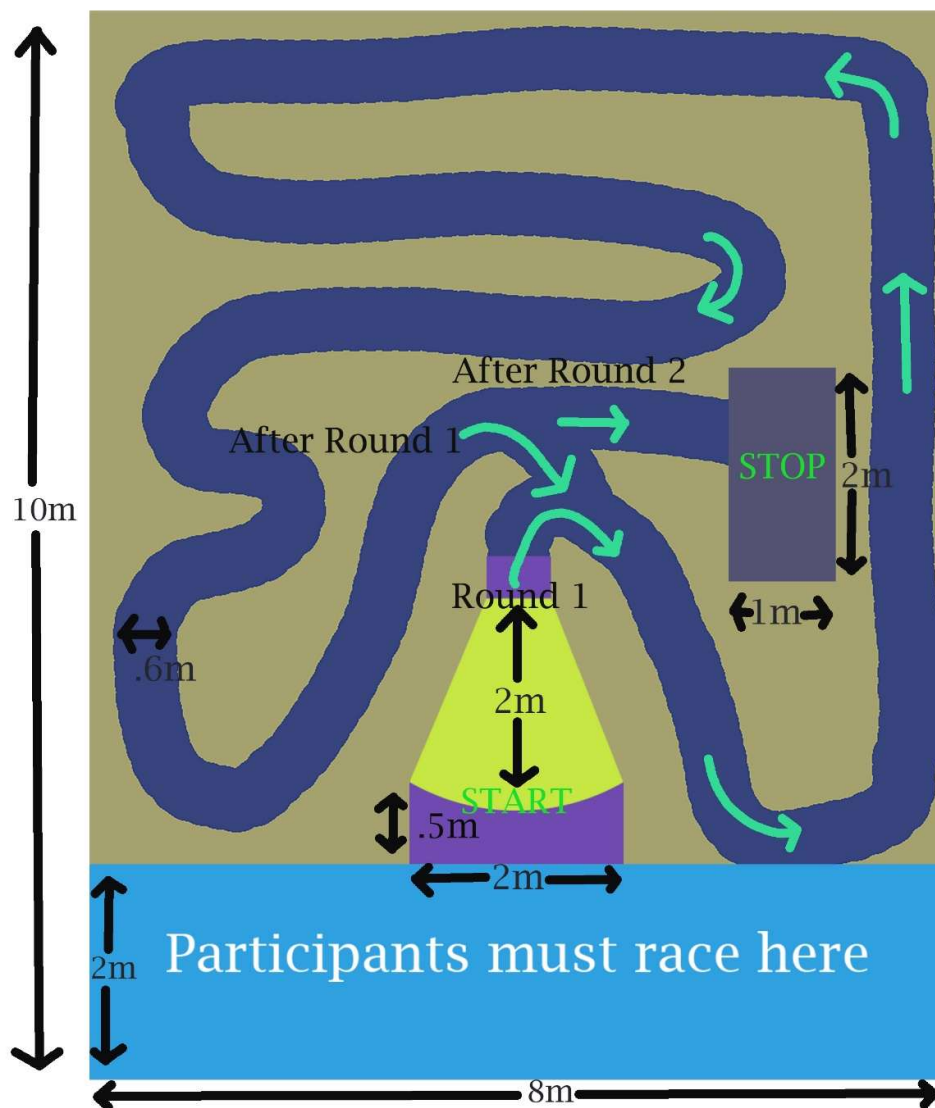
Safety:

- Battery should be properly enclosed.
- Use proper gauge of wire so that it does not overheat then short circuit.
- Battery Management System or a balanced charger is encouraged.

Disqualification:

There will direct disqualification if at any point a team is caught not following Specification and Safety rules.

Track details:



- The main area for race will be 8m x 8m along with a place for participants 2m x 8m.
- The width of the track will be 60 cm.

Rules for Race:

- Participants must not enter the track during the race there will be assigned volunteers who will help if car gets stuck or flipped.
- Mandatory submission of PPT of the RC details.
- The race will be in one go for everyone.
- There will be a whistle signal for START.
- The car must complete 2 rounds as given in figure of track then go to STOP position whoever completes the fastest wins followed by runners up.
- No shortcuts will be allowed the participant must go back to the same position from where track was left or it would lead to disqualification if a participant skip a route.



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