



AMS

Z
ESLAMS

ROBO RACE

WHEELS X CODE

TESLAMS'25

27 - SEP - 2025

PRIZE POOL : 6K

ABOUT

RC Rallycross is a competitive motorsport event featuring radio controlled (RC) cars racing on a specially designed off-road track. It combines elements of rally racing and motocross, with cars navigating dirt tracks, jumps, hairpin turns, and rough terrain.. The cars are specially designed and tuned to handle the diverse terrain. Races consists of many cars competing in high radiating heats and making it the place where speed meets skill and where every jump counts.

BOTS SPECIFICATIONS

- Ø The dimensions of the bot must not exceed 30 cm × 30 cm × 30 cm at any point of the game. 5% tolerance will be given.
- Ø Both wired and wireless robots are allowed.
- Ø The weight of the bot should not exceed 5 kg. 5% tolerance will be given.
- Ø Maximum voltage for batteries and any two points of the circuit in the bot should not exceed 12V at any point of the game.
- Ø The bot can have 4-wheel drive or 2-wheel drive all tyres must contribute to motion.
- Ø The body of the robot must not be taken from any readymade toys. Robot making kits can be used.
- Ø In case of wired control, the wire length should be minimum 4 meters.
- Ø Wires must be routed through a pole at least 45 cm high or held upright by a person throughout the match.
- Ø Wires must remain slack during gameplay.
- Ø In case of wireless control, dual-frequency operation is required to avoid interference.
- RF modules from toy cars may be used. Use of IC engines and LEGO kits will lead to disqualification

GENERAL RULES

- Ø Robot should meet the given specifications; otherwise, the team will not be allowed to participate.
- Ø There will be two rounds both will be based on time.
- Ø Each team can have a maximum of 4 members. Students from different institutes can form a team.
- Ø Each member must carry their institute ID card.
- Ø Unethical behaviour may lead to disqualification; event coordinators have the final decision
- Ø Bots will be checked by organizers before competition. Judges' decision is final.
- Ø Registration is online & offline or on-spot registration.

RACE RULES

ARENA SPECIFICATIONS

- Ø The arena will consist of muddy tracks, stones, gravels, water, bridges, ramps, etc.
- Ø The bot should be able to maneuver over any terrain.
- Ø Arena may change each round based on participation.
- Ø Damaging any part of the arena intentionally will result in disqualification.
- Ø Only coordinators and 2 members per team are allowed inside the boundary during matches.
- Ø Spectators must remain outside the boundary.
- Ø Arena specifications may change based on club decisions.

ROUND 1 AND 2

- ∅ Time taken to complete the arena will be recorded.
- ∅ +3 seconds per wheel touching the line.
- ∅ +5 seconds per hand touch.
- ∅ If bot goes out of track completely, +10 seconds Skipping an obstacle = +25 seconds.

ROUND RULES

- ∅ Robot must move in all directions.
- ∅ Timing will be taken using a laser precise gate timer
- ∅ Disqualifications will be strict.
- ∅ Each robot must have its own transmitter and receiver.
Doubts must be clarified before the event.

NOTE

The referee's decisions are final.

Organizers may modify or clarify rules under special circumstances.

TEAM MEMBERS

YUSUF AMEEN

RIFAN AL DEEN

MOHAMMED UMAR

For Enquiries – 9940302807

9551636386

8939850388