

RULE BOOK

3. RC Rally Offroad

TASK:

An **RC Rally Offroad Task** for a car involves setting up challenges or objectives for a remote controlled car that mimic real-world rally scenarios. These tasks can be designed to test various aspects of the RC car's performance, such as speed, agility, durability, and control, as well as the operator's skills.

DESIGN SPECIFICATIONS:

- The car should be custom-made with generic parts. Ready-to-assemble and drive RC cars are NOT permitted to contest in the event.
- Total allowable dimensions of the car:
 - Width: 15-25 cm
 - Length: 15-25 cm
 - Height: 10-15 cm
- Maximum allowable weight: 3 kg to 3.5 kg .
- Small nitro IC Engines are not permitted; the car must be powered electrically using motors and a battery. It is advisable that the contestants use batteries that can easily power the car for the entire event. Charging mid-race is not allowed.
- Receiver and transmitter used must have sufficient range. Recommended would be at least 100 meters.
- Use of FPV is advised but is not necessary. The person driving is not allowed to run along the circuit. Organizers will provide the best track visibility possible, but despite that, if the driver is not confident, use of FPV is allowed.
- The build of the car must be able to sustain rocky terrain and gravel. Breakdown in mid-event will lead to disqualification.

GENERAL GUIDELINES:

- Each participant is given two chances to run their RC car around the designed obstacle course, and their time is recorded for one lap.
- Obstacles may contain ramps, bumps, and heavily banked corners. The best of the two recorded times is considered. This finishing order will determine the starting order for the next event.
- Contesting cars will only be permitted to enter the first event if they satisfy all the build regulations. Only two members per team are allowed to operate on their cars.
- In the event of a minor breach of regulations, the contestant may be allowed to compete based on the organizers' discretion. A time penalty or a points deduction may be awarded prior to the race start. The magnitude of the penalty is up to the organizers' fair judgment.

- Those who finish their regulation checks first will get the first laps; hence, contestants are advised to make it to the venue on time.
- If the car is overturned during a lap in the first event, the lap is discarded; no additional attempts will be provided. However, if this occurs in the second event, the organizers will get it back on track as soon as possible.
- You are advised to hold your position and not rush to your car.
- The entire event will be recorded, and all racing incidents will be judged after the race. Contestants should note that intentional sabotage of opponents by crashing into them or tampering with their cars may lead to disqualification and, at the minimum, a time or points penalty.
- Race results will be finalized within one day of event completion after applying the necessary time and points penalties. The final scoreboard will consist of points scored in both events.

❖ JUDGING CRITERIA:

- **Lap Time:** The fastest lap time from the two attempts will be considered.
- **Obstacle Handling:** Smooth and efficient navigation through obstacles will earn higher scores.
- **Vehicle Durability:** Cars should complete the race without breakdowns; structural integrity is crucial.
- **Driving Skill:** Precision and control while driving will impact scoring.
- **Rule Adherence:** Compliance with design specifications and racing rules is mandatory. Penalties will be applied for violations.

➤ IMPORTANT SAFETY RULES:

- **No Physical Intervention:** Once the race begins, no participant is allowed to touch or interfere with their car unless authorized by officials.
- **No Running on Track:** Drivers and team members must remain in designated areas; running alongside the track is strictly prohibited.
- **Battery Safety:** Only approved batteries should be used. Overcharging or improper handling of batteries can lead to disqualification.
- **Safe Driving:** Reckless driving that endangers other participants or spectators will result in penalties or disqualification.
- **Emergency Stop:** In case of technical failure or hazardous conditions, organizers have the right to stop the race immediately.

