



Robo Race: Official Rule Book

This competition is open to all school, college and university students aged 10 and above.

1) General Rules:

- Each participating team may consist of upto 3 members.
- If the students from different Institutes/Universities want to join hands and form a team in collaboration, they can do so.
- No team member will be added further once the registration is done.
- If you want to register for the competition you must need to fill the form on website.
- Disqualification will be made on the spot, if any of the team members are found arguing (using slang/physical contact) with the organizing team or the member of another team.
- Organizing team have the right to amend the competition rules/duration at any time.
- The panel of judges for each competition will be comprised of members from the relevant fields and past experiences in competitions.
- The decision of judges will be final.
- If you win a competition, we will notify you at the end of the whole event.
- The prize will not be transferable to another team.
- No part of a prize is exchangeable for cash or any other prize.
- Incorrectly completed entries will be disqualified.

2) Game Rules:

- Each round will be a maximum of 4 minutes.
- Teams will be given 1 minute for setting up the robot at the start.
- Timing shall start once the start signal is given.
- Once turned on, the robot will complete the track from start to finish.
- Team members will not be allowed to touch the robot once it has started.
- The team with the minimum total time (including penalties) at the end of the round wins, provided they have successfully completed the track.
- The track will include bridges with incline angles, bumps made of straws or wooden sticks, and may contain sand and stones.
- The track layout will be revealed on the day of the competition.
- Teams are allowed one retry if the robot fails to proceed due to malfunctions.
- Retry will require the robot to start from the beginning of the track.
- Retry will allow the time to be restarted. However, a penalty of 10 seconds will be added in total time.
- If the robot deviates from the path at any point, a penalty of 2 seconds will be added to the total time.
- The following behavior shall be considered for disqualification by the referee and the team could possibly be disqualified: Attempting to damage the game field.
Performing any act that fails to comply with the spirit of fair play



3) Robot Specifications:

a) Dimensions:

- The maximum size of the robot should be 10 x 10 inches.
- All components mounted on the robot will be counted as part of the robot's total dimensions.
- All robots will have to pass prior inspection before entering the competition. Any robot exceeding these limits will be immediately disqualified.

b) Electronics:

- The robot must be remote-controlled and have an on/off button.
- All types of transmitter and receiver modules are allowed such as Bluetooth module etc.
- Any type of microcontroller is allowed.
- There is no limit on the number and types of motors used in the robot.
- Any kind of motor driver IC or module can be used.
- Power sources that are considered dangerous or unsuitable by the judges will not be permitted.
- The voltage of the robot electrical power source must not exceed 12-volt DC.
- Power banks may be used.

4) Important Dates

- **Competition Dates:** October 12-13, 2024

5) Collaborative Partner

This competition will be hosted in collaboration with Robo Automators.

6) Contact Information

For any questions or additional information, please contact us at:

- **Email:** contact@teknofestpakistan.com
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