

ROBOVANZA

ROBO ROVER

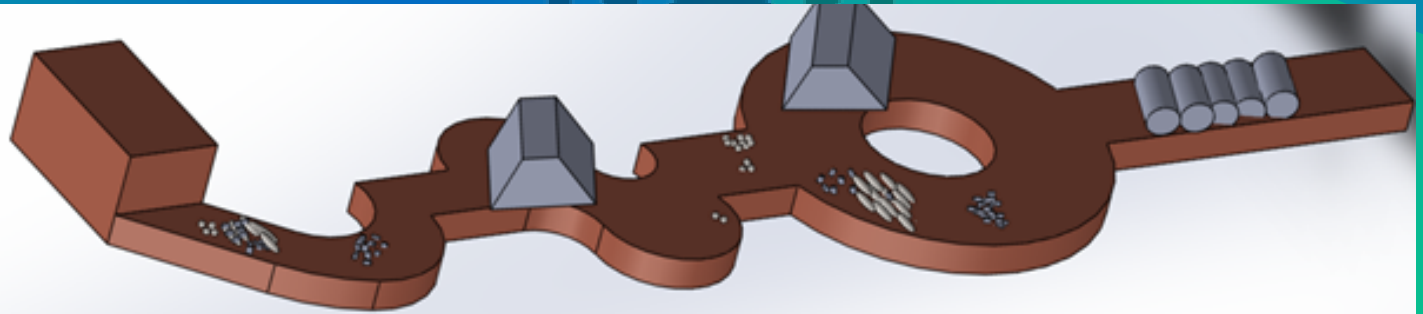
GAME:

All-terrain.... build a bot and name it the king of land as it is going to conquer all types of land with ease. Control your mini rover to cruise through the track in the best time

TASK :

Lead your robot where no robot has ever been to. Build your robot to tackle a challenging track of unfriendly rocks, Sloping surfaces, sticky paths and enable its best off-road performance.

TRACK:



NOTE: The actual track may differ from this track.

RULES:

1. At A team can contain a maximum of 4 members.
2. Most 3 team members are allowed near the arena.
3. Only one robot is allowed per team.

POWER SUPPLY:

1. Power supply to the robot must not exceed 12V.
2. Power supply can be ON/OFF board.
3. Maximum weight of robot including battery shall not exceed 2 kgs.



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SPECIFICATIONS:

1. The dimensions of the robot must not exceed 40cm x 30cm x 30cm (l*b*h).
2. Robots can be wired or wireless.
3. Readymade hand/gripper, chassis, any form of Printed Circuit Boards are not allowed (Except Motor Driver and Development Boards).
4. Tolerance of 5% on the dimensions and power supply will be permitted.
5. There is no weight limit for the robots.

COMPETITION:

1. A qualification round will be there on the first day of the event.
2. The teams which complete the arena will proceed to the final round.
3. The winners will be the one who completes the arena in the least time possible.

QUALIFYING ROUND:

1. There are multiple zones in the arena, each with an individual terrain, through which the robot must be maneuvered.
2. The terrains may include slopes, rocky surfaces, or slippery tiles; and shall definitely exclude large obstacles and very acute slopes.
3. Skipping any zone leads to penalties.
4. The penalty details shall be disclosed at the time of the event.
5. The qualifying round contains basic inclines or declines.
6. The robots shall be judged based on the time taken for completion including the penalties.



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7. If the robot becomes immobile, the team shall be initially provided with 60 seconds for fixing it. If the team fails to fix it in that time, extra 60 seconds shall be provided with some penalty. In case of a failure the next time, the team shall be disqualified.

NOTE: Subsequent rounds and penalties shall be announced at the time of the event.

RULES AND REGULATIONS:

1. No technical assistance shall be provided by the coordinators during the time of the event.
2. Practice runs shall not be permitted.
3. Use of IC engines in any form is prohibited
4. Human interference, i.e., touching the robot, stepping into the arena, etc shall not be permitted.
5. All bots must contain their own power supply. No external power supply shall be provided at the time of the event.
6. Any kind of accelerometer module or a mobile phone accelerometer is allowed to control the robots.
7. Any robot with the chassis of a toy car or its gearbox as a machine part, as well as LEGO kits are strictly prohibited.
8. Each member can only take part once in a particular event.
9. Each robot is allowed to take part only once in a particular event.
10. The organizers are not responsible for any kind of damage to the robot.

NOTE: Kindly keep checking the ROBOVANZA website for further updates.



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DISQUALIFICATION:

1. In case of any discrepancies, the decision of the coordinator and the event head shall be final; no further arguments shall be entertained.
2. Any kind of damage to the arena shall not be tolerated, in which case, the bot shall be disqualified.
3. Robot unable to complete the track traversal within time (12minutes) is considered disqualified.
4. Also, Lego kits are strictly prohibited and will lead to disqualification.
5. No team will be given any practice runs around the course.
6. The organizers are not responsible for any kind of damage to the drone.
7. The teams should bring their own toolkits.
8. Any team that is not ready at the time specified will be eliminated from the competition automatically.
9. The teams must adhere to the spirit of healthy competition. The teams must not damage the opponent's machine in any way. Judges reserve the right to disqualify any team indulged in misbehavior.
10. The organizers reserve the right to change any or all of the above rules as they deem fit. Change in rules, if any will be highlighted on the website and notified to the registered participants.

CERTIFICATE POLICY:

1. Certificate of participation shall be awarded to all the teams except for the disqualified ones.
2. Certificate of merit shall be awarded to the winner along with the cash prize.

TALK TO US

EVENT COORDINATORS:

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