

roBOLT Race to Mars

Registration Rules:

1. Team Size: Maximum 3
2. Registration Fee (if participating ONLY in roBOLT) Rs. 400 for a maximum team size of 3.
3. Open for everyone whose age is between 18 and 25 years on March 1, 2014 (Valid photo ID required).
4. The participants must email their robot specifications and scanned copy of the valid photo ID to robolt@sankalan.info after registering on the website, for verification, by March 5, 2014.
5. The shortlisted participants will be informed via mail or phone.

Robot Specification:

1. The complete robot should fit in a box of dimensions- Length: 30cm, Width: 30cm, Height: 40cm.
2. The robot should not weigh more than 3Kg.
3. Both Wireless and Wired modes of control are allowed. Wireless controlled robots will be awarded extra points.
4. Commercial batteries are allowed.
5. Design and dimension of the robot shall not change any time during the competition.
6. Chemicals, compressed gases and rockets, fuels, combustion power methods, etc. are not allowed.
7. The robot must be manually controlled or semi-autonomous only.
8. Use of readymade toys and commercially available kits is not allowed.

Power Supply:

1. Participants will be allowed to use maximum on board (placed on the robot) 24V DC power.
2. The power supply must be confined inside the dimensions specified above.
3. To power the robots 230V, 50 Hz AC supply terminals will be made available during the event.
4. Converters will not be provided.

Safety:

1. The robot will be first checked for size and safety.
2. The robot should not cause electrical power breakdowns.
3. The robot must not contain any combustible, corrosive, or otherwise dangerous materials. No explosive, compressive or expansive, either internal or external is permitted.
4. Any robot whose strategy or operation is considered dangerous can be disqualified by the judge at their discretion.
5. All the wires used for the control of the robot must be bundled together.
6. The robot must not damage any part of the track at any time during the competition.

Time Limit:

1. Each team will play to complete the track in the minimum time possible by crossing all checkpoints. In case no team reaches the finish line, points will be awarded

according to the number of checkpoints cleared and hurdles handled in the minimum time.

2. Scoring will be at the sole discretion of the judge.
3. Maximum time available to complete the track will be declared at the event location.

Rounds:

1. In first round, the top 50% of the teams to complete the first track will advance to the next round.
2. The second round will result in the declaration of the winner, runner-up and second runner-up of the event.
3. In case of participation of large number of teams, the number of rounds may increase, where each round will result in the elimination of 50% of the teams, and at most 5 teams will reach the final round.

Field:

1. The entire track will have a number of check points.
2. The zone between two check points may contain various hurdles including, but not limited to, Bridges, Speed bumps, Ramps, Sand, etc.
3. The track may consist of moving and rotating portions.
4. If the robot falls off the track at any point, it will be placed at the last checkpoint crossed and the time taken to place the robot back (by the team member) will also be counted to the total time.
5. The tracks for each round may vary.

Fouls:

1. The robot is not allowed to leave part(s) on the arena. In case some part of the machine falls on the arena, the penalty (including disqualification) will be based on judge's discretion.
2. In case of any dispute or violation of rules, the decision by the judge will be considered final.
3. No test practice will be allowed on the arena.

Certification Policy:

The teams disqualified for any violation of competition rules will not be considered for certificate.

Event Coordinators:

Gaurav Yadav - 8826644069

Manoj Patial - 8130810125

To contact us on Facebook, [click here](#).