



Mech Tech Meet

Season-8
March 3rd-4th, 2017



LINE FOLLOWER (Don't Get Off Track)

INTRODUCTION:-

This event is all about an autonomous bot built by participants, it will be judged on its ability to perform usual task. It tests level of precision in end to end designing and fabrication of the bot and intelligent use of sensors and coding.

PROBLEM STATEMENT:-

In this event the teams have to design a robot, which can follow a specified path in minimum time. Path may contain corners, curves and sharp edges.

RULES:-

1. Each team can have a maximum of 4 participants.
2. A team may consist of students from different colleges.
3. No damage should be made by a bot to the arena or to other team's bots during the match in any manner.
4. Penalty of 10 seconds will be charged for bot getting out of the path.
5. Bots should not be disassembled until the results are declared.
6. The organizers reserve the right to change the rules as they deem fit.
7. Coordinator's decision will be final.

GAMEPLAY:-

1. The robot must fit within a cube of 250X250X250 (lXbXh). Dimensions in mm.



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2. The robot must be stable and able to move on its own. A bot not fulfilling these criteria will be disqualified.
3. The bots should be able to follow the line according to event specifications.
4. Each team has to bring its own power supply for its robots. The voltage difference between any two points on the bot must not exceed 24 volts.
5. Teams are advised to use an on-board power supply. In case they are using external power supply they will be responsible for any problem created by entanglement of wires.
6. The bot which will follow the complete path in minimum time shall be announced as winner.

ARENA:-