

FIND A LINE OUT

Answer lies within

The competition tests the thinking ability and speed of the robot. Using your autonomous robots navigate your way out of the maze as quickly as possible.

- **Entry Fees:** ₹ 200/-
- **No. of participants:** 3
- **Prizes:**
 - 1st Prize : ₹ 5000/-
 - 2nd Prize: ₹ 3000/-
- **Number of Rounds:** 2
- **Rules:**
 - Knockout event:
 - Round 1: All the robots completing the track within the specified time(3 mins) limit will qualify for next round. No time constraint will be there.
 - Round 2: Robots are expected to complete the maze while clearing each checkpoint in minimum time possible. Points will be given based on time and checkpoints covered.
 - Scoring will be done on the basis of checkpoints covered and the time taken.
 - Each team will be given 2 minutes before the run for calibration, adjustment of sensor and dry run.
 - The path will have 4 checkpoints , 2 of which will be fixed in their positions and two will be variable.
 - Width of track will be 30mm.
 - If the on board supply is through rechargeable cell , participants are requested to get their own chargers.
 - If a robot ' gets in trouble' , the operator can ask the referee for permission to take a hand touch and restart the robot from start or the last checkpoint. If robot is touched without prior permission 10 points will be deducted.
 - Only three hand touches are allowed if this limit is exceeded 5 points will be deducted for every subsequent hand touch.
 - Participants are not allowed to upload or modify the code during the match.
 - Any robot causing damage to the arena will be disqualified.
 - Devices such as bluetooth, wifi must be switched off near the arena.
 - If any teammate is controlling the bot using any means it would lead to immediate disqualification.

- Bots must leave any of it's part on the arena.
- Decision of the organizers will be final and binding.
- Above rules and regulations can be changed as deemed fit by organizers. **Changes if any will be updated on the perception website, participants are requested to check the website regularly for updates.

BOT SPECIFICATIONS:-

- Maximum size shouldn't exceed **20cmx 20m , no constraint on height (can be flexible).**
- Power Supply must be on board.
- No lego kits are allowed.
- Voltage difference between any two points on the bot must not exceed **24 Volts.**

TIE BREAKER:-

1. Minimum time taken by robots to cross the same number of check points.
2. Minimum number of hand touches.

Bots will be compared on basis of above mentioned criteria and teams will be given preference on basis of the criteria order mentioned above.

SCORING:-

- Checkpoint 1 - 10 points
- Checkpoint 2 - 20 points
- Checkpoint 3 - 30 points
- Checkpoint 4 - 40 points
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