Paridhi 2022

LINE-O-CHASE

EVENT TYPE: Line Following (Autonomous)

REGISTRATION FEE: 200/- Per Team

PROBLEM STATEMENT:

Build a fully Autonomous Bot capable of traversing white/black lines on a black / white surface to reach the destination. The bot has to cover a specified track within the allotted time.

The bot that takes the minimum time to complete the track, while accurately tracking it, i.e. with the highest score will be declared as the winner of the event.

❖ **GENERAL RULES:**

- The dimension of bot should not exceed 15cm X 15cm X 15cm, with each parameter eligible for a tolerance of 10%.

- Participants will be provided with a direct 220V power supply only. Any special arrangement for powering the bot must be made by the participants themselves.

- Only electrically powered fully autonomous bots are allowed.Failing to do so will lead to direct disqualification.

- Potential difference between any two points on the bot must not exceed 24V.

- Lego parts will not be allowed.

- Any kind of damage to arena will lead to direct disqualification.

❖ **EVENT RULES:**

- The team should consist of maximum 4 members.

- Width of track is about 2.5cm-3cm.

- There will be two rounds in the event. Top teams from the preliminary round will compete in the final round.

- Each team will be given limited time for dry run/calibration, after which team has to start the final run.

- Once a bot has crossed the starting point, it must remain fully autonomous, or it will be penalized with limited hand touch allowed (if any).

- The bot has to complete the given track within the allotted time.

- The scoring pattern, penalties and details of checkpoints and allotted time will be disclosed at the day of event.

- Teams can register multiple times for the preliminary round of the event.

IN CASE OF ANY DISPUTES, THE DECISION OF THE EVENT COORDINATOR WILL BE FINAL.

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