

Line Following Robot – Tech event

Event Outline:-

The Line Following Robot event is an autonomous robotics competition where participants design and program a robot capable of detecting and following a predefined line track from start to finish. The goal is to complete the course accurately in the shortest possible time without human intervention. The winner is selected with the most, shortest time, in course duration to complete the race and provided with certificates, exciting rewards and cash prizes.

Regulations:-

- The robot must be fully autonomous; no manual control or external assistance is allowed during the run.
- The robot should follow the given line from start to finish without leaving the track.
- Only onboard power supplies and onboard sensors (IR/optical/camera) are permitted.
- The robot must comply with the specified size and design constraints.
- The track will consist of a continuous line with curves, turns, or intersections.
- The track must not be damaged, altered, or modified in any way.
- Timing starts when the robot begins its run and stops upon reaching the finish line.
- Penalties will be imposed for off-track movement, restarts, or rule violations.
- Manual intervention, wireless control, or external communication will lead to disqualification.
- The robot must be safe to operate and should not pose any hazard.

Event rules:-

- The competition is open to individual participation or teams consisting of **a minimum of 2 and a maximum of 4 members**.
- Each team will be allowed to run their robot on the given track, and the **lap time recorded for each run** will be considered for evaluation.
- Teams achieving the **best (lowest) lap time** will be declared the **Winner**, and the team with the **next best lap time** will be declared the **Runner-up**.
- In the event of a **tie in lap times**, the teams with identical lap times will be required to **compete again on the different track**.
- A **finalized lap circuit** will be used for the tie-breaker round.
- The team that records the **best lap time in the finalized lap circuit** will be declared the winner among the tied teams.
- The decision of the judges and event coordinators regarding timing, tie-breakers, and results shall be **final and binding**.

Contact info:

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Price Amount:

1st Prize: 1500

2nd Prize: 1000

3rd Prize: 500