chakravyuha

LINE FOLLOWER
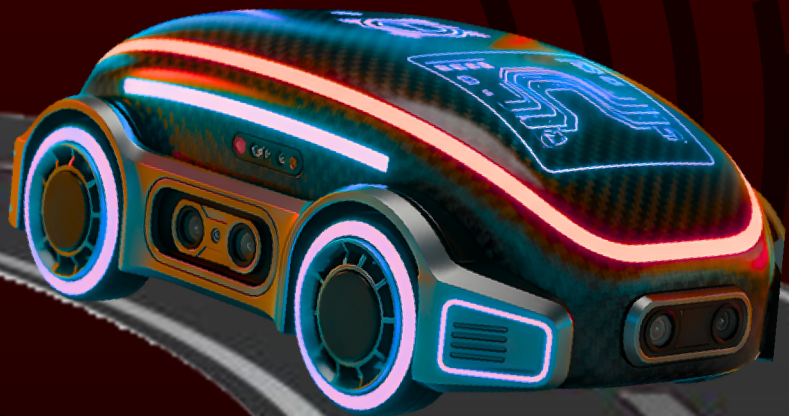
Basic Guideline:

- Each team must consist of 2-4 members.

Track Specifications

- The line path will have a thickness of 20 mm.
- The exact track will be disclosed on event day.
- The path may consist of straight lines, hairpin bends, acute-angled bends, crossovers (intersecting lines), and curved line.

Rules and Regulations:

- The bot must fit within the following maximum dimensions of 25 cm(L) × 25 cm(B) × 25 cm(H).
- The Weight of the Bot should not be more than 0.5Kg.
- The electric voltage anywhere in the machine should not be more than "12V" DC at any point of time and Power supply must be on board.
- Each team must use the same bot for all rounds.
- Machines made from LEGO parts, or any ready-made kit will be disqualified.
- The bot should not damage the arena.
- Each team will get only one attempt.
- If the robot does not move within 30 seconds, the attempt will be disqualified.
- Touching the bot will add +5 seconds penalty per touch.
- Skipping part of the track (intentional or unintentional) will add +10 seconds penalty.
- Only the bot handler should touch the robot during track race.

Time Allocation:

- 7 minutes total per team:
  - 1 minutes for the bot verification.
  - 2 minutes for trail.
  - 1 minutes for calibration.
  - 3 minutes for track race.

Event Protocol:

- Teams should report at the venue/hall within 10 minutes after the coordinator's announcement.
- No delays are allowed. Any change in timing must be informed to the coordinator in advance.
- Failure to report on time or absence without prior notification will lead to disqualification.

Evaluation and Jury Decisions:

- The jury's decision will be final and binding.
- Any doubts or concerns regarding decisions should be directed only to the event officials.
- Non-compliance with rules or instructions from officials will result in disqualification.

REFERENCE TRACK:

NOTE: THIS TRACK IS ONLY FOR REFERENCE