

LINE FOLLOWER

GENERAL RULES:

- Only one team will be allowed to enter the arena at a time.
- Only One autonomous bot per team is allowed.
- A Sample arena will be provided for testing the robot on the day of the event, on which the code and calibration can be done.
- After an allotted time on the sample arena, the robot will have to be submitted to the organizers, following which the final rounds will be held.
- No modifications to the robot will be allowed after submission of the robot.
- The final arena will be disclosed according to the below timeline, after which no submissions will be allowed.
- In case of any conflict or confusion, the judges' decision will be final. Judges reserve the right to disqualify the teams using any unfair means during the competition.
- Any damage to the arena by the robot will lead to a disqualification.
- Rules may undergo some minor changes on the basis of decisions of the organizing committee. Please visit the site regularly in order to get the latest updates.
- A team will comprise of maximum 4 members which may or may not be of the same institute.

GAME RULES:

- The robot has to start from the starting zone. The robot must operate by following the line only.
- Bot is needed to follow the path as efficiently as possible.
- There will be checkpoints along the arena, through which points will be awarded to the robot.
- If Hand-touch is required then the robot has to start from the previous checkpoint.
- Maximum 3 hand touches are allowed, after which the maximum score obtained till the third touch will be considered.
- Time shall be stopped when run is halted for a hand-touch.
- The width of the path would be around 4-5cm.

AUTOBOT SPECIFICATIONS:

- Maximum size of the bot should not exceed 20cm X 20cm X 20cm.
- There is no restriction on the microcontroller family. You can use any microcontroller like (AVR, PIC etc.).

- The controller can be of 8 or 16 bit only.
- The maximum power supply is 9v DC.
- The teams can use any kind of sensor for line following.