

Line Follower Robot

Event Coordinator: Paras Sharma (EEE 4nd Year)
Pankaj Rawat (ME 3RD YEAR B)

Event Detail: Line follower robot race competition.

Rules & Regulations:

Track for qualifying round will be different from main round.

- Maximum 4 **members** per team.
- There will be 2 events **first one** is qualifying round and **second** will be the main round.
- First round: robot has to finish the race as soon as possible (30 sec).
- After successfully completion of first round by a team, than only it will participate to main round. Maximum 4 members per team.
- Weight of the robot is max 10 kg. Width of the robot is max 200 mm, height max 200 mm. The robot shall not be dangerous. These criteria will be checked before the match. Any Robot which fails in any of them will not be allowed to compete.
- The robot has to be completely autonomous. Once a robot has crossed the starting line it must remain fully autonomous, or it will be disqualified.
- A robot that goes off of the line for over 15 seconds will be disqualified.
- External off-board power supply is allowed.
- If there's a tie between the teams, a run-off will determine the winner.
- If nobody finish the run, the farthest one run on tracks will wins.
- Based on the number of participants or local conditions, the contest rules or the operating rules may be adapted by the organizers. Such changes shall be announced before the contest start and remain valid for the whole contest duration.
- The decisions of all officials regarding these rules and the conduct of the event shall be final.
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Venue and Timing: Basket ball court

Timing- (Day 1) 02:00 pm – 05:00 pm

Participation: Max. 20 teams

Robo War

Event Coordinator: Rohit Joshi (ECE 4th Year)
(EEE 2nd Year)

Event Detail: Combat between robots.

Rules & Regulations:

- Maximum 4 members per team.
- Weight of the robot is max 10 kg. Width of the robot is max 500 mm, height max 500 mm. The robot shall not be dangerous. These criteria will be checked before the match. Any Robot which fails in any of them will not be allowed to compete.
- Robots can be built using wheels, tracks and legs.
- AC/DC motors ranging from 12 Volt to 220 Volt is allowed.
- The robots can have weapons like any rotating weapons ,circular saws, carbon or steel cutting discs, but explosives, flames, firearms, corrosives, liquids, electronic devices - e.g. radio jamming, heat-guns, Tesla coils are banned.
- Any moving or swinging arms - whether or not they hold sharp and/or rotating weapons - MUST be fitted with a visible locking pin that shows the arm(s) is securely locked into place.
- Robot can immobilize its opponent by any means.
- Based on the number of participants or local conditions, the contest rules or the operating rules may be adapted by the organizers. Such changes shall be announced before the contest start and remain valid for the whole contest duration.
- The decisions of all officials regarding these rules and the conduct of the event shall be final.

Venue and Timing: Basket ball court

Timing- (Day 1) 02:00 pm -05:00 pm

Participation: Max. 20 teams

Judges: A Panel of 3 faculties (including 1 HOD) - for each venue.

Requirements: Electric switch board
Extension wire
Microphone
Speakers
Bricks, sand,

Winners: As per judges result.
Only 2 winners will be announced (1st and 2nd).

Prize: 2 trophies (1st) & 2 trophies (2nd)

Robo Race

Event Coordinator: Surya Bisht (ECE 4th Year)
Jishan (EEE 2nd year)
Prabhat Bisht (ME 3rd year)

Event Detail: Robot Race Competition.

Rules & Regulations:

- Maximum 4 members per team.
- Weight of the robot is max 10 kg. Width of the robot is max 200 mm, height max 200 mm. The robot shall not be dangerous. These criteria will be checked before the match. Any Robot which fails in any of them will not be allowed to compete.
- There will be marking on the basis of
 1. Speed (Finish the race ASAP)
 2. Driving skills (Avoid some Obstacles)
 3. Power (Push some obstacle through a distance)
- If there's a tie between the teams, a run-off will determine the winner.
- If nobody finish the run, the farthest one run on tracks will wins.
- Based on the number of participants or local conditions, the contest rules or the operating rules may be adapted by the organizers. Such changes shall be announced before the contest start and remain valid for the whole contest duration.
- The decisions of all officials regarding these rules and the conduct of the event shall be final.

Venue and Timing: Basket ball court
Timing- 02:00 pm -05:00 pm (Day 1)

Participation: Max. 20 teams

Judges: A Panel of 3 faculties (including 1 HOD) - for each venue.

Requirements: Electric switch board
Extension wire
Microphone
Speakers
Card board (3).

Winners: As per judge's results.
Only 2 winners will be announced (1st and 2nd).

Prize: 2 trophies (1st) & 2 trophies (2nd)