

LiRO – 2K26

LINE FOLLOWER ROBOT COMPETITION

OFFICIAL RULE BOOK

V.S.B. Engineering College, Karur

Department of Electronics and Communication Engineering (ECE) in association with Electronics Club

Date: 13 October 2026

Venue: Dr. V.C.K Auditorium, V.S.B. Engineering College, Karur

Eligibility: Open to all engineering students

Team Size: 3 members

Registration Deadline: 09 October 2026

Registration Fee: ₹200 per person

Participation certificates will be provided.

1. Competition Format

The competition consists of two stages: Qualifying Race and Final Race.

Stage 1 – Qualifying Race: All registered and approved teams will participate.

The top 15 teams from the qualifying stage will advance to the Final.

Stage 2 – Final Race: The qualified teams will compete in the final stage.

2. Robot Requirements

The robot must be capable of autonomous line following.

The robot must use onboard sensing and control during an official run.

Manual or remote operation during a run is not permitted.

3. Track Requirements

The competition track will have a white surface with a black line.

The track will include obstacles and challenging path elements.

Participants must navigate the designated track while maintaining line following.

4. Race Procedure

Each team will be given 3 official attempts.

The robot must be operated according to the competition rules during every official attempt.

Marking arrows will be provided on the track to indicate the intended direction/path.

Only valid official runs will be considered for competition ranking.

5. Qualification & Final

The qualifying stage will be used to determine the teams advancing to the Final.

The fastest/valid performances in the qualifying stage will determine the 15 finalist teams according to the official event procedure.

The Final will be conducted among the 15 qualified teams.

6. Track Deviation & Human Intervention

The robot must remain on and follow the designated black line throughout the run.

If the robot deviates from the designated path or loses the line, the team must follow the instructions of the event officials.

Participants must not manually control or guide the robot during an official run.

Any direct physical intervention with the robot during a run may result in the run being declared invalid.

Event officials may stop a run if the robot becomes unsafe or interferes with the track or other participants.

7. Team Rules

Each team consists of 3 registered members.

Only registered participants may represent the team in the competition.

Any change to team members after registration must be communicated to and approved by the event coordinators.

Participants are responsible for ensuring that their registration details are accurate.

8. Safety & Technical Inspection

All robots may be inspected by the event officials before participation.

Participants are responsible for the safe handling of batteries and electrical/electronic components.

Robots that are considered unsafe by the event officials may be prevented from participating until the safety issue is resolved.

Participants must follow all safety instructions given by event officials.

9. Disqualification

A team may be disqualified for violating the published competition rules.

Use of manual or remote control during an official run may result in disqualification.

Deliberate interference with another team's robot or the competition track may result in disqualification.

Unsafe operation of the robot may result in disqualification.

Providing false or misleading participant information may result in disqualification.

Failure to follow instructions given by event officials may result in disqualification.

The event organizers reserve the right to disqualify a team for serious or repeated violations of the competition rules.

10. Judging

Event officials will supervise the competition, run validity and rule compliance.

Judges' decisions are final and must be respected by all participating teams.

11. Prizes & Certificates

🥇 1st Prize – ₹5,000

🥈 2nd Prize – ₹3,000

🥉 3rd Prize – ₹2,000

Participation certificates will be provided.

12. Registration

Registration is through the official Google Form.

Registration and payment details are provided through the official form.

Registration Deadline: 09 October 2026

Registration Form: <https://forms.gle/zG1RuCNFyGProJJj8>

13. Contact

Faculty coordinator:

MR. ANANDHAKUMAR. P

Head of Department – ECE | 8870188907

Student Coordinators:

Rubahan P | 7200709381 | rubahan26@gmail.com

Sanjay B | 9003536232 | sanjayloq22@gmail.com

LiRO – 2K26THINK. BUILD. RACE.

LiRO – 2K26 | Official Rule Book | V.S.B. Engineering College, Karur