LINE FOLLOWER – EXPRO’16

Task:

Your bot has to track a path painted in black. The path may consist of sharp turns, loops, edges & discontinues.

Bot Specifications:

- The bot can be up to 25 cm X 25 cm.
- The bot should be completely autonomous and manual intervention will be penalized.
- The maximum potential difference between any two points should be 12 V DC. Power supply for charging the battery will be provided.

Rules:

1. A team can have a maximum number of 3 members.
2. Team members can be from different colleges.
3. A team is allowed to play with only one bot.
4. In case the bot moves out of the arena, it will be placed at the previous point.
5. Decision of judges shall be final and it will be binding to all.
6. Any non-disciplinary action will be viewed seriously and the participant will be disqualified.

Scoring Scheme:

- The time taken for completing the path will be noted.
- For each touch (in case of re-alignment) 5 seconds will be added.
- In the prelims, maximum number of 3 attempts will be allowed. The best attempt will be considered.
- In the finals, maximum of 2 attempts will be allowed. The best attempt will be considered.
- Unfair game will lead to disqualification.
- The bot should not damage the field. Damaging or harming the arena will lead to disqualification.
- The organizers, at the sole discretion reserve the right to alter or change the above specifications or rules at any time.