Felicific'15

Line - O - Bot

Description: Participants has to make a fully autonomous bot which can able to follow black line on white surface without moving out of line

Tagline: "Straighten yourself up, twist your guts out. You bot have to do a lot more at line following, Felicific 2015."

Rounds scheme:

There will be trial round followed by main round.

1) In trial round, 5 minutes will give to each team. In this round, team will put their bot on arena. They will test and check their bot whether any modification require or not. After Trail round, a break of 15 minutes will give. In this break, teams will do necessary changes in their bots and make bots ready for main round.

2) Main round: It a final round after trial round. In this, team has to start a bot and has to place in arena. Maximum 3 hand touch will give to team. Every hand touch will add penalty seconds in their timing. 5 seconds will add in timing to each team with every hand touch. After 3 hand touch, team will disqualify at 4th one. Winning is based on timing.

Rules:
- Coordinators reserves right to ask explanation for robot.
- The robot expected to follow line perfectly. It is necessary to keep line in between two wheels. If robot deviates from line then it should be on line within 30 second.
- The judgment of organizers and judges are final and abiding to all.
- Depending on situation, coordinators have a right to modify rules with permission of judges.
- Team member should have ID cards of their college.
- Before trial round, Robot must go under inspection for dimension, Supply voltage, etc. If robot doesn't satisfy any dimension then it will disqualify.
- Contestants will not allow to carry anything inside arena except robot.
- Any kind of modification in circuitry or code can be done in trail round or in break after trail round. This cannot be done once team appear for main round.

Robot Specification:
- Length, breath and height of robot should be limited upto 20 cm.
- Robot should be completely autonomous.

- The robot can both, internally and externally power up.
- Maximum voltage for power up robot should not exceed 24 volt.
- Plug and play Kits will not allowed in competition. Robot should made by participants.

Team size: 1 to 5 participants

Expected strength of participants: 30 – 40 Participants

Registration fees per team/per head: 150/- per team

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Smit Soni(For Registration)
Email Id smitddu15@gmail.com
M: 8401922262
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Arena Description:
- The base of arena is made up of white color flex sheet.
- There is a black line on white surface.
- The width of line is 3 cm.
- Arena includes different line shapes like acute, obtuse and right angles, curves, cross, discontinuity, etc.
- Note: In case of cross and discontinuity of line, bot should go straight.
  The following is a **"sample Arena" only**

Note :   This is the sample arena, Final arena will be given on the spot at the time of event.