

## Event:- LINE FOLLOWER

Department : Electronic and computer

Type: Inter-college

DATE: 28<sup>th</sup> October 2022

TIME: 10 am

VENUE: L11&12.

ENTRY FEES: 150 Rs per team

### Rules:

#### -Bot specifications

The overall specifications of the bot must not exceed the following (including tolerance) :

28 cm in length

22 cm in width,

20 cm in overall height

5 kg in total weight.

No lego and ready made bot.

Max voltage 12V

-A team can comprise of a maximum of 4 members.

-The competition will be of 2 rounds. Round 1 shall be a qualifier round and round 2 shall be the final round. \*

-In round 1, each team will give 2 time trials. Least time and with best out of 2 given trials will be judged upon.

-For the 1<sup>st</sup> trial a test run of 3 Mins will be given after which, immediately 1<sup>st</sup> time trial will follow

-Team can give 2<sup>nd</sup> and Final trial immediately after 1<sup>st</sup> or later in the competition . There won't be any TEST RUN for 2<sup>nd</sup> trial.

-The bot must cover the entire track within 4 min minutes to qualify for the final round \*

-Any shortcut paths and deviation from the main line will lead to placing of the bot back to the nearest check point. Coordinators decision will be counted as the final.

- In case if no bot is able to complete the track in given time, bot covering maximum checkpoint in minimum time will be shortlisted for the final round.
- Width of the line will be 3cm. The participants shall be informed in prior by the event coordinators if there is any change in the width of the line.
- The Line Follower Bot must be fully self-contained and must not be externally operated by wire or remote radio control during the course of the race.
- Before commencement of the actual racing, the teams will be allowed to test their bots on the track but only for limited period of time as decided by the coordinators \*.
- Once the bot is placed on the track, a maximum of 8 touches will be allowed to reset the bot on the right track and a penalty of 5 sec per touch shall be added to the total time.
- Winner shall be the group which finishes the track in the shortest time. In case no team manages to finish the track, then the prize shall be given to the team who completes most part of the track in shortest time and with minimum touches.

**EVENT COORDINATORS:-**

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**PRIZE MONEY:**

1<sup>ST</sup> PLACE- Rs 6000/-

2<sup>nd</sup> PLACE – Rs 2000/-