AUTONOMOUS - THE LFR CHALLENGE

EVENT DESCRIPTION:

The objective of this event is for a robot to follow a black line on a white background, without losing the line, and navigating several curves and 90 degree turns.

The robot to complete the course in the shortest period of time while accurately tracking the course line from start to finish wins.

FEES – Rs. 100 /- per team

Registration fee can be paid through PAYTM @ (8587070883) or submitted in cash at the registration desk at the campus on **10th OCTOBER**

RULES:

1. The contestants are supposed to bring autonomous bots only. Robot must fit inside a box of dimensions 30cm x 30cm x 30cm during the whole course of run.

2. All teams are supposed to report at **10AM** sharp.

3. A team may consist of a maximum of **4 members**.

4. Teams can be made from different years and colleges as well.

5. The dimension of bots should not exceed 30 cm in width and if it has a circular base than 30 cm in

diameter or less.

6. The Robots shouldn't be made of any ready-made Lego kits.

7. The Robot should run with on board power supply. External power supply will not be provided.

8. The team according to fastest time and minimum penalties will be declared winner and eligible for prize.

9. The decision of the judges will be final.

10. Points will be deducted every time the team touches their bot while on the track either for calibrating or re-centering of whenever the robot moves out of the track.

11. All the teams will be given 10 minutes to calibrate their IR sensors.

12. Damaging the track will result in penalty.

TRACK SPECIFICATIONS:

1. The track will be of black colour with width 3 cm on white background.

2. The track will consist of straight paths, curves, 90 degree turns.

For more details contact :

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Venue : Amphitheatre , Maharaja Agrasen Institute of Technology Rohini sec 22