

# MAZE RUNNER

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## Prologue:

(Catchy description of your event here- Will go on the Website)

Come one Come all to the showdown of the Robo-Minds. A competition that will test your coding skills with your bot. Start to Build-Code-Test because this is the playground of the smartest bot with the quickest timing. A puzzling battle, where only your correct algorithm with the best timing will lead you to your Destination. Follow the simple principle that "The road that's blocked, is the road not taken".

So, is your bot smart enough to solve the Maze?

Start to grease and gear up your bots, get those motors running and make those final perfections before you put those wheels on the track cause the battle is ON.

## Event Details:

(The flow of event comes here. The format of your event must be explained in the most detailed way possible here)

Maze runner is an autonomous robot, which follows black/white line. Train your bot to device an algorithm, which takes the shortest path to overcome the cunning track. Points will be awarded on the basis of time required for completion of track and accuracy for achieving the same. The team with maximum points will be announced as WINNER with certificates and prize money.

The BLACK track will be of 2.5cm (1 inch) wide. The bot will begin from START position and make its way to solve the maze to finally finish the track at STOP position.

### BOT SPECIFICATION

- Max bot size: 25x20x10 cm
- Max battery rating: 12V, 1.5A
- Max motor rpm: 300rpm

## Time Duration of the Event:

(The time duration of the event must be mentioned here)

1<sup>st</sup> session :- 10AM to 12:30PM

2<sup>nd</sup> session :- 1:30PM to 3:00PM

## Rules and Regulations:

1. Each team must consist of atleast two members (maximum 4 members).
2. Each team will be given 2000 points in the beginning of the competition.
3. A maximum of 3 touches will be allowed, after which 50 points will be deducted for each touch.
4. 100 points will be deducted for each reset i.e. if the bot confuses/runs out of track.
5. If any team wants to recode the program after its first run, then the team will be given 30 minutes at maximum. After which, the team may be disqualified.
6. The team with the maximum points at the end will be declared as WINNERS.