LINE FOLLOWING ROBOT

CREAZIONE 2K19 brings you a chance to participate in the Event "Line Following Robot Race" which might be the closest one can get to such a display of human brilliance. Be the skipper of your own hatch. Time has come to boost up your creativity to a different level. This event provides you a platform to test your creativity.

Problem Statement

Robot has to follow the given path and reach the target point in minimum amount of time

Task:

1. For a given random path robot should follow the path and reach the destination/target point in minimum amount of time

Robot Specification:

Dimension:
Maximum dimension of the robot should not exceed 30cm*25cm*15cm (L x b x h)
Tolerance of 1 cm can be considered in max. Dimension.
The extensions of the robot which is used for pushing/defending should not consist of any type of robotic arms, sticky materials (double tape etc...)
The extension of the robot which is used for pushing/defending can have any shape, and should not exceed the maximum dimension.
The robots must be electrically powered.

Arena Specification:

In the arena a random selected path will be given for the robot to follow

The event will be held in one round:

Credit Rules:

1. For crossing the obstacle path 10 seconds will be deducted from the total time completion of the robot.

De-credit Rules:

If the robot deviates from its path then +10 seconds will be added to the final time completion of the robot.

If the team member wants to restart the task then +30 seconds will be added to the final time completion of the robot.

Second Round:

All the teams will be judged on the basis of the completion time of he task top three teams with the less completion time will be awarded.

Attraction:

Participation certificate will be given to EACH TEAM MEMBERS. 1st and 2nd will be AWARED separately.

GENERAL RULES AND REGULTIONS: (Strictly To Be Maintained)

Though team members may be from different institutions, all participants must produce valid ID cards at the time of registration.

Every team must should contain maximum 5 members.

No participant can register twice or from different teams. No robot can be shared by more than 1 team.

Teams are not permitted to change the parts of their robots during a run.

Participants must bring their required DC power supply of their own.

REGISTRATION FEES : Rs 200/- per team.