

“The Matrix”

General Rules-

- Each team can have a maximum of 4 participants.
- A team may consist of students from different colleges.
- Certificates of Excellence will be awarded to the top three teams.
- No damage should be made by a bot to the arena or to other team's bots during the match any manner.
- Bots should not be disassembled until the results are declared.
- The organizers reserve the right to change the rules as they deem fit.
- Judges decision will be final.

Bot Specifications-

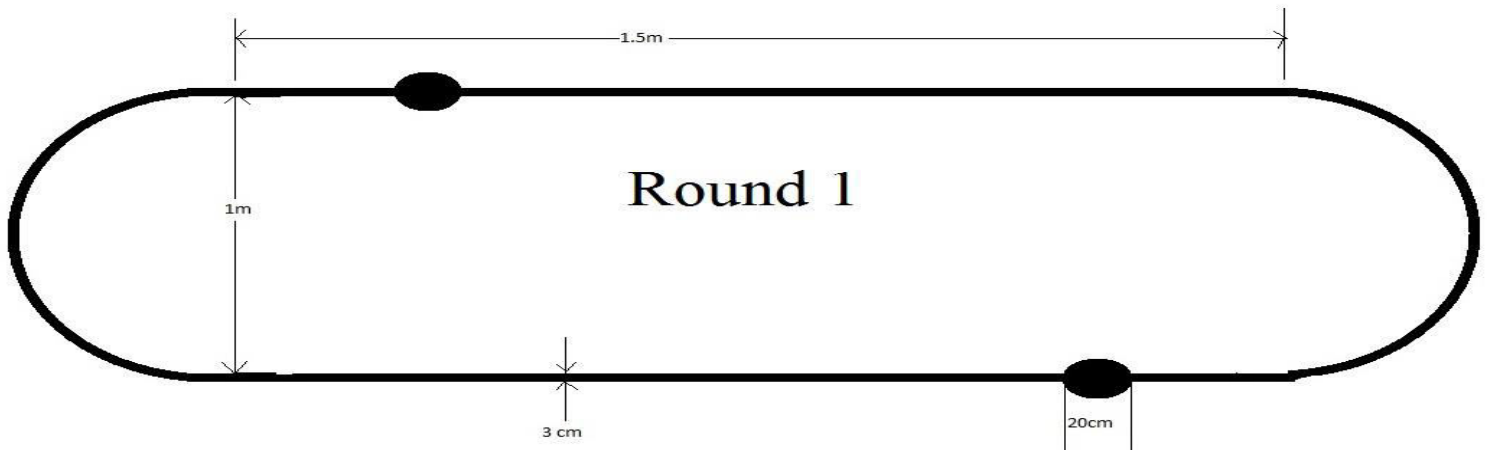
- During the whole event the bot must fit within a square of 20X20X20 (lXbXh). Dimensions in cm.
- The Robot must be stable and able to move on its own. A bot not fulfilling these criteria will be disqualified.
- The bots should be able to follow the line according to event specifications.
- The wire used to power/feed the bot should remain slack at all times.
- Each team has to bring its own power supply for its robots. The voltage difference between any two points on the bot must not exceed 18 volts.
- Teams are advised to use an on-board power supply. In case they are using external power supply they will be responsible for any problem created by entanglement of wires.

Event Structure-

There will be 3 rounds in the whole event.

Round 1(Robo-racing):-

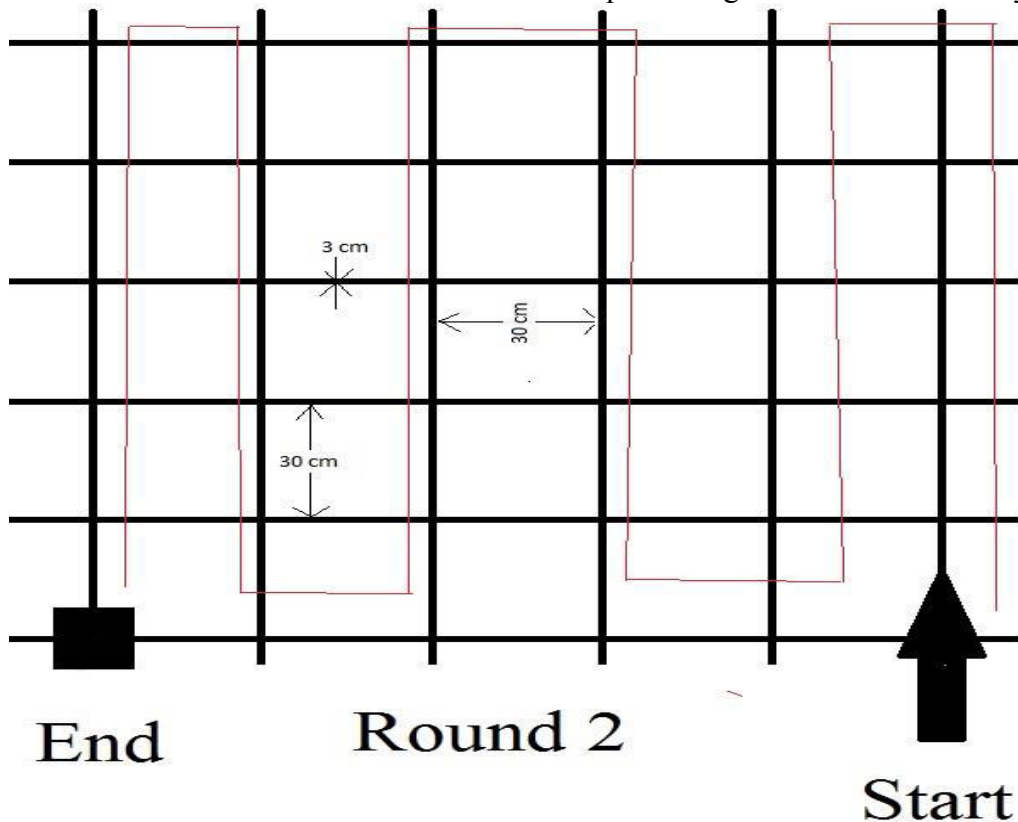
The bots will be placed at the black circle and should traverse the arena clock-wise. The bot which reaches earlier to the next black circle will qualify for the next round.



Proper combination between accuracy and speed will be the key to win.

Round 2:-

- Bot has to travel the 6*6 grid crossing through each node as shown by colored line.
- The bot which will take minimum time to complete the grid will mark it's entry to next round.



Round 3 :

- In this event the bot has to complete the grid passing through the given node (as shown by red circle) via shortest path from starting to end point .
- The co-ordinate of the node (which may differ for different teams) will be given before the starting of the event.

Event Co-ordinators:-

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- Shraddha Singh