



Presents



THE
KNACK
TO
TRACE
BLACK

29TH : 30TH APRIL

**VENUE: GOVERNMENT COLLEGE OF ENGINEERING &
CERAMIC TECHNOLOGY, 73, ABHINASH CHANDRA
BANERJEE LANE, KOLKATA- 700010**

PROTOCOLS

SPECIFICATIONS OF TRACK

- A flex sheet of white color with a designed black path is used for the arena.
- Width of the black line is 3-5 cm.
- Shape of the arena may include right and acute angles, junctions, curves, or circles.

SPECIFICATIONS OF THE TEAM AND BOT

- Bot dimensions should not exceed $20 \times 20 \times 20 \text{ cm}^3$ ($l \times b \times h$) (10% tolerance is allowed).
- Bots must be strictly autonomous.
- You can use standard chassis.
- Power supply must be strictly on the board.
- Readymade bots are not entertained.
- Maximum number of sensors allowed is 6.

GENERAL RULES

- A team can have minimum of 2 and maximum of 4 participants.
- The robot which completes the track in the least time will be declared as the winner.
- Extra points will be added for each edge and loop that bot covers.
- A bot causing any type of damage to the arena will be disqualified.
- Same bot cannot be used by more than one team and members of the team cannot participate again using a different team name.
- Arguments with the Event Heads might lead to the disqualification of the bot. The decision of the Event Heads will be final and abiding for all.

JUDGEMENT CRITERIA

PRELIMS:

- Not more than 5 hand touches are allowed once the competition begins and a penalty of 10 seconds will be added for every touch.
- Not more than 1 skip is allowed and a penalty of 20 seconds will be added for every.
- Not more than 1 restart is allowed if the bot moves out of the arena.
- Total time will be the sum of actual time taken to finish the path and penalties gained.
- In case of a tie, the decision will be taken on the spot by the Event Heads.

FINALE:

- A penalty of 15 seconds will be added for every touch.
- Not more than 2 skips are allowed and a penalty of 25 seconds will be added for every.
- Not more than 2 restarts are allowed if the bot moves out of the arena.
- Total time will be the sum of actual time taken to finish the path and penalties gained.
- In case of a tie, the decision will be taken on the spot by the Event Heads.

FOR ANY QUERIES CONTACT:

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REGISTRATION FEE - ₹ 300 per Team

!! COMBO OFFER !!

₹ 1000 per Team for all robotics events

(Chakrabhuya, Roboclassico, Fast and Furious, The Knack To Trace Black)