

## **EVENT NAME: CHASE THE MAZE**

**Problem Statement:** To build a robot that is able to navigate out of the maze in the quickest time possible from the designated starting point to the ending point.

### **General Rules:**

1. Every participant must be a student of any reputed institution. The students must be undergraduate or post-graduate (For PG Only MCA).
2. **Maximum of 2 members are allowed in one team.**
3. Every participant must carry their id his card along with a photo copy of /her government id.

### **Registration fees:**

1. Registration Fees (External Students) is 400/- per team.
2. Registration Fees for In-house students (MCKV students) is 100/- per team.
3. For any 4 events combos in robotics: Rs.300/- per team (Internal students)
4. For any 3 events combos in robotics: Rs.1000/- per team (External Students)

**N.B:** Combo refers to any of the events from:

- i. Chase The Maze
- ii. Robo War
- iii. Robo Ranger
- iv. Robo Fifa and
- v. Line Follower

- No refund of Registration fees, once paid.

## GAME RULES:

- Each team will be given a max of 10 minutes and each team will start with  $10 \times 60 = 600$  points.
  - Time Taken to exit (T.E) = time taken by bot to successfully get out of the maze (in secs).
  - Stuck Time (S.T) = In case a robot is stuck in an endless loop in the maze. In every such incidence 10 points will be deducted.
  - Breakdown (B.K.D) = In any event when the robot breaks down/stops moving/parts falloff/immobilize/cannot function anymore. In every such incidence 15 points will be deducted.
  - Total Score =  $600 - (T.E + S.T + B.K.D)$
  - **Rules may change at the time of the event.**
- MCKVIE's students should show their college ID card to participate in the event at the time of the event day after their online registration process.

## Technical Details:

- Robots per Event: One
  - Length of Event: 10min(max)
  - Robot Weight Range: 5kg(max)
  - Number of rounds: 2
  - **Robot Dimensions:**
    - 1) W:30cm x L:35cm x H:30cm(max)
    - 2) W:24cm x L:27cm x H:22cm(min)
- **The arena will be shown to the members only 5 minutes prior the event.**
  - **Decision of the coordinators will be considered as final during any discrepancy.**

## **Contact details:**

### **Event Coordinators:**

- 1) Mr. Nabankur Mandal -ME
- 2) Mr. Swaraj Biswas –ME
- 3) Mr. Tapas Kumar Biswas- AUE
- 4) Mr. Sougata Bera - AUE

### **Student Coordinators:**

- 1) Manjari Sen(CSE)- 9432368126
- 2) Amit Kumar Yadav(EE)- 9128679449
- 3) Suraj Kumar(EE)- 9097180907