

## **EVENT NAME: ROBO RANGER**

**Problem Statement:** This is a manual robotics event in which the participants need to Design a manually controlled robot that can race through all Possible terrains like sand, pebbles, obstacles, bumpers, bridges, Marbles, grease, inclines, dips, cliffs, mazes, ramps, banks, etc.

### **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 4 and minimum 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:**

1. The prelims will be a one-team-at-a-time event.
2. The robot will start from the point marked as "START" on the arena and will have to traverse through the entire track consisting of multiple obstacles of different types and the surface will keep varying as well.
3. The race will start the moment the event coordinator gives the green signal and the time keeper will turn on the timer at the same moment.
4. **Final rules will be disclosed at the time of event.**

## **Other Details:**

### **Robots per Event: One**

- Length of Event: None
  - Robot Weight Range: 5kg (max) [Including Wires]
  - **Robot Dimensions:**
    - 1) W:30cm x L:35cm x H:30cm(max)
    - 2) W:22cm x L:25cm x H:22cm(min)
  - **The bot should be well insulated.**
- **Decision of the coordinators will be considered as final during any discrepancy.**

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.** Pranta Dasgupta (AUE)- 8620870348
- 2.** Himadri Sarkar(EЕ)- 9163576851
- 3.** Soumojit Chakraborty (EE) -8240694260