

# **Blast it!**

## **INTRODUCTION:**

The objective of this contest is to attack on the opponent's balloon while protecting your own balloon.

## **PROBLEM STATEMENT:**

To build a bot and make the modifications mentioned below and to compete with the opponents.

## **MODIFICATIONS REQUIRED FOR THE EVENT:**

- The participants are given a Balloon and a needle.
- The Balloon given should be attached at the rear end of the knot and the needle at the front end.
- 10 minutes will be given to the participants to fix them to the bot.
- The bot is allowed to participate once the event organiser check and accept the bot.

## **ROBOT SPECIFICATION:**

- The maximum dimensions of the robot are 30cm x 30cm x 30cm (l\*b\*h).
- Robots could be wired or Bluetooth controlled.
- Power supply of the robots should not exceed 12V.
- Power supply should be ONBOARD.
- Tolerance up to 5% on dimensions will be allowed.

## **QUALIFYING ROUND:**

- The bots (3-4) are put in a circular arena
- Every bot should try to pop the balloon of its opponents.
- If a bot's balloon is popped by its opponents it will be moved out of the arena.

- The bot which remains with the balloon will be qualified to the next round.

**NOTE: Subsequent rounds and penalties shall be announced at the time of the event.**

### **RULES AND REGULATIONS:**

- The team can consist of not more than 4 members
- Members of different institutions can form a team.
- All the participants must carry their respective college id cards.
- Any kind of damage to the arena will not be entertained and will lead to disqualification.
- No technical assistance will be provided by the organisers during the event.
- No practice runs are allowed.
- Use of IC engines are not allowed.
- NO human interference is allowed during the course.
- A robot with a gearbox or any kind of LEGO kits will be disqualified.
- A robot can participate only once during the event.
- The organizers are not responsible for any kind of damage to the robot.
- In case of any discrepancies the decision of the coordinator or the event head will be final.
- The teams should bring the own toolkits.
- Needles and balloons are provided.

**NOTE: Kindly keep checking the ROBOVANZA website for further updates.**

## **CERTIFICATE POLICY:**

- The certificate of participation will be awarded to every team except the teams that are disqualified.
- The certificate of merit will be awarded for the final winner.
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