



# HALDIA INSTITUTE OF TECHNOLOGY

## PRAYUKTI 2023

ANNUAL TECHNO-MANAGEMENT EXTRAVAGANZA

APRIL 3<sup>rd</sup> – 6<sup>th</sup> 2023

# LAKSHYA

A game of strategy, accuracy, hurdles and challenges with the wireless robots fighting to win against each other passing all the obstacles.

Zig-zag paths, short tunnels and even stones, marble and sand all in their way to reach the finish line without falling off the track.

Get ready to witness the chills and shivers of Lakshya 2k23, with circuit heads competing against each other Problem Statement to build a remote controlled electric-powered robot that can be used to complete broken pathways and hurdles.

### **RULES:**

1. A team can consist of a maximum five members.
2. Student form different colleges can from a team.
3. Participants must have a valid identity card of their respective educational institution.
4. No damage should be made by a bot to the arena during race in any manner.
5. When a team is called for match, they must report within five minutes.
6. The organizers reserve the right to change the rules or arena as they deem fit.
7. judges decision will be final in case of any discrepancy.

### **BOT SPECIFICATION:-**

- The bot can be controlled by a wired/wireless remote.
- The bot should have maximum dimensions of 30cm\*25cm\*25cm (l\*b\*h).
- Maximum weight of the bot is allowed is 2kg.
- The maximum voltage allowed to provided to any components of the Bot should not exceed 24V DC.

### **Event Structure:-**

- The event will be conducted in two rounds.

### **Round 1 Details:-**

#### **1. About**

- I. The first round will be an elimination round in which the complete the arenas minimum as possible time.
- II. Maximum 3 restarts can be taken, if there is any mishap/ topping.



- III. There will be a penalty of restarts.
- IV. Bot will be placed again at the point of dis-continuity.
- V. Maximum 2 hurdles can be skipped.
- VI. There is also a penalty for skipping the hurdles, according to the its difficulties

**Note:-** If your bot remain steady for 30 or more seconds in that case points will be deducted.

### **Round 2 Details:-**

- I. Round 2 arena will be revealed on the spot.

### **Scoring:-**

- I. Scoring will be decided as per event coordinators.

