



**DRISHTI**  
*A Revolutionary Concept*

**Mindbend**  
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**SVNIT Surat**

# Chromology

Grab, decide and place

## Introduction

Teams have to construct a RC bot that can pick different coloured balls and put them in boxes. Red, Blue, Yellow, and White coloured balls will be randomly scattered over the arena, and the robot will have to snap and put them where the respective colored box is placed.

## Prize Money

1st Prize: 10,000

2nd Prize: 7,000

3rd Prize: 4,000

## Problem Statement

### Round 1

Teams will need to submit working video of their robot as a Proof of Concept.

- Duration of video must not be more 5 minutes.
- Video must be in mp4 format.
- Ensure the proper visibility of bot in video.
- Bot shown must be the one which is to be operated over arena.
- Any sort of malpractice might lead to disqualification.

### Round 2

- Qualified teams will have to present their working prototype in offline mode.
- Only 1 team member is allowed to operate the bot in the arena.
- Judging criteria will be based on accuracy and time duration.

## Track Specifications

- Boxes will be placed at the corners of the arena.
- Height of the box: 30 cm
- Diameter of the ball: 6 cm

## Bot Specifications

- Bot must fit into dimensions 40 cm x 40 cm (l x b).
- Voltage between any two points should not exceed by 24 V.
- Bot should not harm the arena.
- Readymade mechanisms are not allowed.



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## General Rules

- Bring your college/student I-Card at the time of competition.
- Decision Taken by Judges will be final and binding for all.
- Any misbehaviour will lead you to disqualification from the competition.
- If less than 5 teams will be registered, then only first prize will be given and if less than 10 teams will register, only two prizes will be given.

## Team Specifications

- Team should be of 2 to 4 members.
- Members of a team may be from the same college/school or different (K12/UG/PG).
- Any number of teams can participate from one college/school.
- Professionals are not allowed. Only students can participate.
- Participants are required to bring their school/college ID cards.
- Once registered, the same team cannot register with another name or for another model other than previously registered one.
- Every team must have a unique name that should not be offensive conflicting or inappropriate.
- Organizers have the right to reject entries for any inappropriate team name.
- Organizers must be notified if a team's name has been changed.
- Team Representative: Each team must specify their Team Representative (Leader) at the time of registration on the website. All important communications between the organizer and the registered teams will be done through their Team Representative. The Team representatives must submit valid contact details (phone no., email id, etc.) at the time of registration.
- If teams don't show up on allotted slot, they will be disqualified.

## Event Timeline

Round 1 (Virtual Mode)	Proof of Concept submission deadline	9 <sup>th</sup> April 2022
Round 2	Releasing list of shortlisted candidates	11 <sup>th</sup> April 2022
	On site event	15 <sup>th</sup> April 2022

## Registration Details

Registration window will open soon!

