



## Golfest

Let the Golf begin!

### Introduction

Ever seen a machine playing golf!

In this competition the participants will have to make a robot which can move on a track, and hit golf at specific fixed height on the predefined arena. The bot will need to travel on the track and hit the balls which come in its path. There will also be various hurdles in the path that the bot will have to overcome.

### Prize Money

1<sup>st</sup> Prize: 10,000

2<sup>nd</sup> Prize: 7,000

3<sup>rd</sup> Prize: 4,000

### Problem Statement

In this competition the participants will have to make a remote controlled bot which can move on a track, and will need to travel on the track and hit the balls which come in the pathway such as it enters the hole or cavity present at some distance away from the ball mounting. There will also be various hurdles and obstacles on the path that the bot will need to overcome.

#### 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

Shortlisted teams will have to will go through an on-site gameplay.

### Constraints

- The bot should be manually controlled.
- Dimensions must be lesser than 40×30×40 mm (l×b×h) excluding the hitting mechanism part.
- Both wired and wireless control mechanisms are permitted.
- The bot must have an on board power supply.
- The maximum voltage between two terminals of electrical system must not exceed 24 V.



- Ready-made lego components and ready-made hitting mechanism aren't allowed. However, ready-made gear assemblies might be used.
- Irrespective of the mechanism used, only one person will be allowed to operate the bot on arena.
- The golf ball will have diameter of 45 mm and weighs 50 g, so hitting mechanism must be designed considering this.

## General Rules

- Any damage caused to the arena at any point in time will lead to disqualification /penalty.
- The robot has to travel only on the prescribed arena, and if the bot completely leaves the arena it will have to start from the previous checkpoint.
- Bring your college/student I-Card at the time of competition.
- Any of the above-mentioned rules, if found violated, teams would not be allowed to participate in the 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 3-5 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 robot 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)	Deadline	12 <sup>th</sup> April 2022
	Releasing list of shortlisted candidates	13 <sup>th</sup> April 2022
Round 2	On site event	16 <sup>th</sup> April 2022



# Mindbend

SVNIT Surat

## Registration Details

Registration window will open soon!

For updates, follow us on   

For queries  Om - 70167 02242  
Janvi - 99240 82932