



DisTech

Dedicated to Discovery, True in Technology

Introduction

MindBend serves as a perfect rocket launch pad for all tech enthusiasts. We at MindBend are here with an event where participants will get a chance to enhance their scientific skills, develop an inclination towards discovering technology while inclining towards a sustainable yet innovative idea. In this event, participants need to choose one of the three domains from Physics, Chemistry, and Maths

Prize Money

1st Prize: 2500

2nd Prize: 1500

3rd Prize: 1000

Problem Statement: Chemistry

What first thought strikes your mind when we think of mosses or algae? Indeed a feeling of disgust, Yucky! Wouldn't you be surprised if I told you that you need to cultivate them? Yes, you read that right! At DisTech participants need to build a Photobioreactor to produce a renewable energy source and make an effort towards independence from traditional fossil fuels.

Round 1

Here participants need to go for abstract submission. Some points to consider are working principle, Theory, Details associated with the device

Round 2

Shortlisted participants need to present their working model in offline mode

Judging Criteria

Round 1

Abstracts will be judged on the basis of content included and various parameters included like innovative working, the principle behind it, feasibility, plagiarism, and the format.

Round 2

Efficiency of energy conversion (Energy released per unit microorganism used), Sustainability (Environmentally friendly), economically viable, Materials used & Durability, Reproducibility, Replicability





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 30 teams will be registered, then only first prize will be given and if less than 50 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)	Abstract submission deadline	9 th April 2022
	Result of round-1	11 th April 2022
Round 2 (On-site)	On-site event	14 th April 2022

Registration Details

Registration window will open soon!





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Problem Statement: Mathematics

Ever got amazed by watching hackers penetrating through a system and wanted to get a hands-on experience of how it's done? Did you know that hacking is not just coding but also entangles tons of logical reasoning and mathematical aptitude! At DisTech participants need to showcase their coding skills along with computational thinking by decoding an encrypted problem statement.

Round 1

A Set of Algorithms will be given, and the participants have to find the algorithm's output.

Round 2

The Participants have to write codes to decrypt the encryption.

Judging Criteria

Round 1

Accuracy, time is taken to get the output.

Round 2

Time complexity, Space Complexity, Effectiveness.





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Problem Statement: Physics

Ever wondered how defense systems detect and attack potential targets? This is possible because of R.A.D.A.R! You will be surprised to know how much R.A.D.A.R technology has advanced in recent years and the potential it holds! At DisTech participants need to design a RADAR that could detect and lock nearby targets.

Round 1

Here participants need to go for abstract submission. Some points to consider are working principle, Theory, Details associated with the device

Round 2

Shortlisted participants need to present their working model in offline mode

Judging Criteria

Round 1

Abstracts will be judged on the basis of content included and various parameters included like innovative working, principle behind it, feasibility, plagiarism and the format.

Round 2

Efficiency, Sustainability, Range, Number of targets can be detected, Number of targets locked, Refresh rate.





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