

TECHNIKA 2023



2 AUGUST 2023

ANNUAL S.T.E.M. FEST

General Guidelines

- Last Date of registration is **15 August , 2023.**
- Registration link (via website): www.technika2023.xyz
- Students are advised to fill the registration form as soon as possible as the submission window for online prelims opens on August 5, 2023 till August 15, 2023.
- Students should avail this opportunity to display their novelty and ingenuity and should not resort to any unfair means and plagiarism.
- Decisions of the judges will be final and binding.
- Certificates and Trophies will be awarded to the winners.
- All results will be declared on August 22,2023 in the Closing Ceremony itself.
- Prelims of most of the events will be held online on discord server and for further information and updates kindly ensure to join the server :-
<https://discord.gg/Jn3YnQhVA8>
- For further queries contact us at
technika2023.csi@gmail.com or on the contact details provided at the end of this brochure.



GameOn

No. of Teams:- 1 team per school

No. of Participants:- 1

Eligibility:- VIII - XII

1. Through communications on discord, all participants will compete in various online games.
2. Top 10 participants will be invited to compete offline in multiple games.
3. No cross teaming , cheating , or violation of any rule will be accepted.

IT

Dev.py

No. of Teams:- 1 team per school

No. of Participants:- 2

Eligibility:- IX- XII

1. The first round will be conducted online on Hackerrank. All programming languages accepted.
2. Top 10 teams will be selected for the finals which will be held in the school.
3. In the finals, a programming problem will be provided, which needs to be solved within the time limit and with efficiency using Python.



No. of Teams:- 1 team per school

No. of Participants:- 2

Eligibility:- IX- XII

1. The first round will be conducted online from which the top 10 teams will be shortlisted
2. The second round will be written quiz amongst the shortlisted teams.
3. The final round will be held on the event day with audience interaction and buzzer rounds. Various rounds will be conducted in the finals for a total of 1 hour.

IT

Graphix

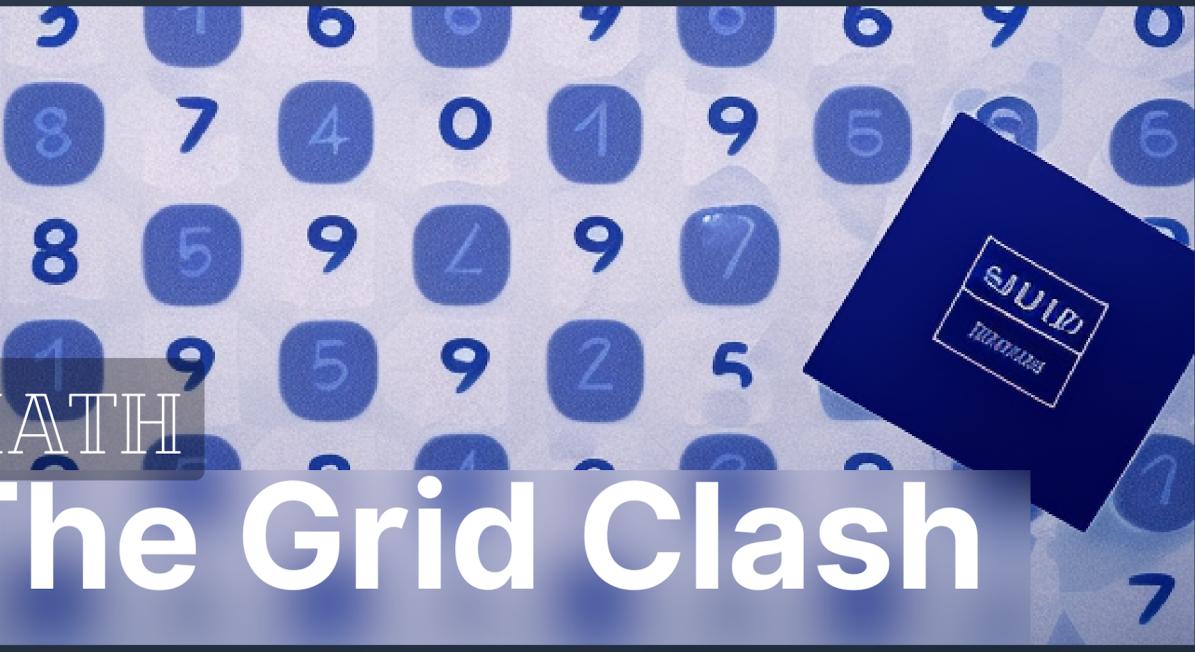


No. of Teams:- 1 team per school

No. of Participants:- 1

Eligibility:- IX- XII

1. All participants will be given a chance to show their understanding of designing and to compete with each other
2. First round will be conducted online. Outside assistance including online assistants like Image generators, and AI tools will not be allowed.
3. 10 teams will be selected to compete offline.
4. They will compete offline in the school and will design banners using Photoshop to compete from the provided assets.



MATH

The Grid Clash

No. of Teams:- 1 team per school

No. of Participants:- 2

Eligibility:- IX- X

1. There will be two rounds in the event.
2. For prelims, each team will have to solve a sudoku puzzle with the minimum time recorded.
3. The teams qualifying in the prelims will face each other in a crossword round in the finals.
4. In the crossword round, clues will be based on 'Mathematicians and their contribution to the field of Mathematics.'
5. Participants must have proper knowledge of historical events related to mathematics-ideas, inventions, and discoveries made by prominent Mathematicians.



MATH

Math Show-biz

No. of Teams:- 1 team per school

No. of Participants:- 3

Eligibility:- IX- X

1. Each team will have to choose a topic connected to an elementary or secondary level mathematical concept and prepare a creative enactment explaining the mathematical concept and its usage in daily life creatively using props.
2. Students of the rival teams would then be allowed to question the performing team, the answer to which would be according to their understanding of the topic selected.
3. The time limit for the enactment is 3-5 minutes. Exceeding the time limit would result in negative markings.
4. Plagiarism should be avoided strictly as it would lead to disqualification.



MATH

Relay Rush

No. of Teams:- 1 team per school

No. of Participants:- 4

Eligibility:- IX-XII

1. Each team should consist of a participant from each class (IX, X, XI, and XII).
2. In each round, all students of the same grade will solve a common question.
3. There will be 8 rounds in total (2 for each grade).
4. The scoring will be on the basis of the time taken to solve the question correctly.
5. The final score of the team will be the cumulative score of individual participants. The team with the highest cumulative score wins.
6. The questions will be syllabus based for each standard



SCIENCE Ideation

Number of Teams:- 1 per school

Number of Participants:- 3 per team

Eligibility:- VI-VIII

1. The event will be held in 2 rounds.
2. Participants will have to design and present a product that they think could thrive in the current market.
3. The theme of the prelims will be Shark-tank(reality show based). The prelims will happen 10 days prior to the day of the event. For the same, a PowerPoint presentation will have to be submitted via mail (online).
4. The presentation should show the designed product which tackles the problem they are attempting to solve, how their idea/system combats the target problem, developmental procedure, budget allocation, etc.
5. For finals a working model is to be presented on the day of the event.



SCIENCE

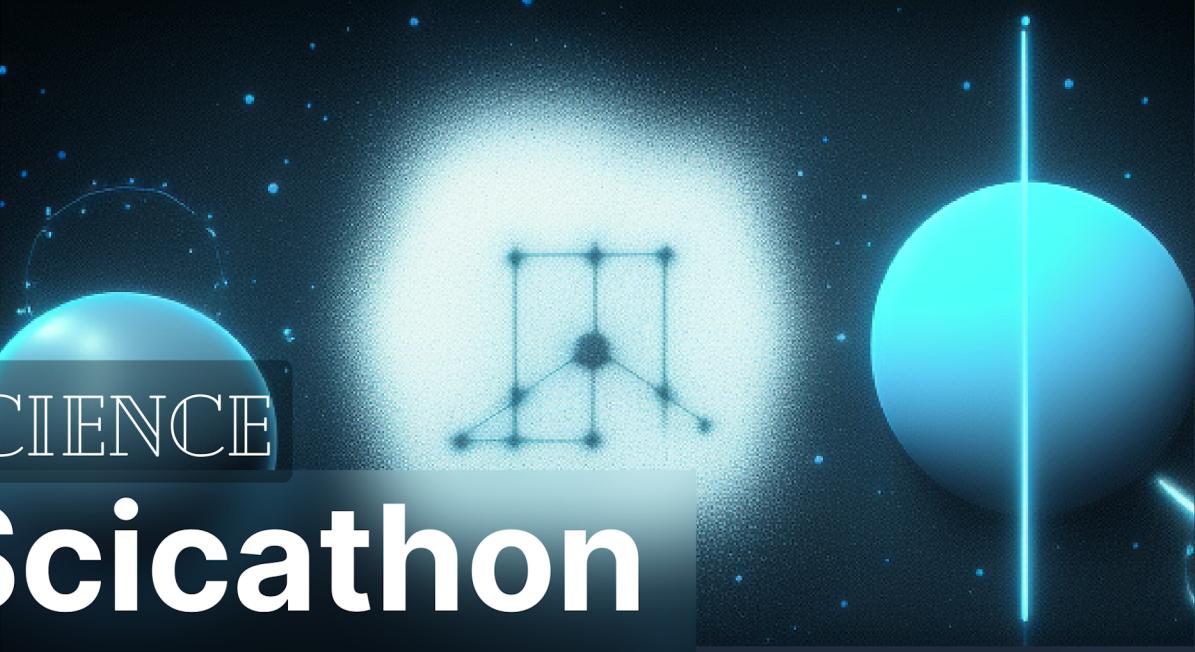
Reflect Persona

Number of Teams:- 1 per school

Number of Participants:- 2 per team

Eligibility:- IX-XII

1. The participants will be given names of famous personalities.
2. A team will be given 2 scientists - 1 for each participant - on which they will have to research in the given time duration of 15 minutes with internet access.
3. Each team will be required to devise and present a new combined theory of the scientists assigned.
4. For the final round, the participants will have the limitation of only debating with the theories they had formed in the previous round by taking the help of pre-existing theories. They will then be arguing against an assigned opponent team.
5. For internet access, kindly bring your own devices with internet services.



SCIENCE

Scicathon

Number of Teams - 1 per school

Number of Participants - 2 per team

Eligibility - XI-XII

1. There will be two rounds in this event - prelims and finals.
2. For prelims, each team will be given three subjective questions that are related to the current problems in the world of science. The teams will be required to write the solutions to the questions in a total span of 45 minutes.
3. For finals, a viva round will be conducted. Each team will be given a unique question and either of the participants shall answer. On the basis of the answer provided by the participant, another question will be asked which shall be answered by the other participant.

Contact Us

Presidents

IT -	Akshit Singh	( 7838193530)
Math -	Bhavika Sharma	( 8076145768)
Science -	Kushagra Gupta	( 8076148106)

Vice-Presidents

IT -	Sparsh Baijal	( 9999230788)
Math -	Satyam Tiwari	( 8287398247)
Science -	Arshia Minhaj	( 9810138784)

Teacher Incharges

IT -	Ms. Vandana Mittal	( 9971949259)
Math -	Ms. Meha Bhargava	( 8527288007)
Science -	Mr. Sachin Saini	( 8010788877)