



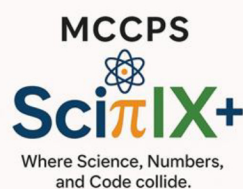
MCC PUBLIC SCHOOL



Sci

Pi

X



ON
JULY 25TH & 26TH, 2025
VENUE: MCC PUBLIC SCHOOL
CHETPET, CHENNAI-31.

GENERAL CONDUCT AND RULES

Eligibility: The competition is open to students from Grades 3 to 12 across participating schools.

Event Mode: Events are organized in both Online and Offline formats, based on grade levels and activity type.

Online Events:

- Some online events will be live and interactive, conducted in real-time via video conferencing platforms.
- Meeting links and timings for live events will be shared with registered schools in advance.
- Other online events require pre-recorded submissions to be emailed.

Submission Details: All online submission must be sent in the link provided.

Offline Events: Offline events will be hosted on-campus at:

MCC Public School, 78 Harrington Road, Chetpet, Chennai, Tamil Nadu.

Participant Requirements: All participants must carry:

- Student School ID card
- Required materials for specific events (e.g., stationery, models, artwork, etc.)

Recognition: Certificates will be awarded to all participants.

Trophies, medals cash prizes will be awarded to winners.

Communication: All updates, schedules, and results will be communicated to the teacher coordinator of each school.

For queries, contact: scipixmccps@gmail.com or the designated event coordinators.

The above rules aim to ensure a fair and enjoyable experience for all participants in the inter-school *SciPiX Fest*.

GENERAL INSTRUCTIONS

- Registration forms must be submitted on or before 18 July, 2025
- Late registrations will not be accepted.
- Inauguration begins at 9.00 AM. Reporting time 8:30 am
- Online registration is mandatory for all the participating schools.
- Complete the online registration using the Google Form link below:
<https://forms.gle/ijWxqMS6tT8JD1wT8>
- Participants must report in their school uniform and maintain discipline. ID card and Bonafide letter are mandatory.
- The last date for submission of the registration form is
- Prize winners will be selected by a panel of judges. The decision of the arbitrators is final.

● Email Address: scipixmccps@gmail.com

● Contact Numbers: Co-ordinator: 9994018930,
Science dept: 9600008398,
Maths dept: 6381511614,
CS dept: 9884073653.

Scan for registration





EVENT	DATE	TIME	MODE	GRADE
SCIENCE				
Neural Nodes	19-07-25 (Last Date for Submission)		Online	3-5
Mind Merge	26-07-25	9:00 to 11:00 am	Offline	3-5
Igniting Minds	19-07-25 (Last Date for Submission)		Online	6-8
Zap the Gap	25-07-05	10.00 to 11.30 am	Offline	6-8
Together for Tomorrow	19-07-25 (Last Date for Submission)		Online	9-12
Scientrepreneurs	26-07-12	11:00 to 1.00 pm	Offline	9-12
MATHS				
Math Talk Spark	21-07-25 Live-Zoom	Will be announced later	Online	3-5
Abacus Championship	26-07-25	9:00 to 11:00 pm	Offline	3-5
Math Meme Showdown	19-07-25 (Last Date for Submission)		Online	6-8
The Calcudoku Challenge	26-07-25	11:00 am to 12:00 pm	Offline	6-8
Math Battle	21-07-25 Live-Zoom	Will be announced later	Online	9-12
Escape Room	25-07-25	10:00 to 11:30 am	Offline	9-12
COMPUTER SCIENCE				
Pixeloom	19-07-25 (Last Date for Submission)		Online	3-5
Pillar of Innovation	25-07-25	09:30 to 11:30 pm	Offline	3-5
Bugless Brain Battle (Prelims)	25-07-25	11:00 to 11:30 pm	Offline	3-5
Upload and roast	19-07-25 (Last Date for Submission)		Online	6-8
Sustainosite	25-07-25	12:00 to 1:00 pm	Offline	6-8
Future-Proof Forum	25-07-25	11:00 am to 1:00 pm	Offline	6-8
App Venture	21-07-25 Live-Zoom	Will be announced later	Online	9-12
Code with a Face	26-07-25	02:00 pm to 03:00 pm	Offline	9-12
Slide and simulate	26-07-25	09:00 am to 11:00 am	Offline	9-12

REGISTRATION LINK:

<https://forms.gle/ijWxqMS6tT8JD1wT8>



SCIENCE - RULE BOOK

CLASS 9 TO 12

• **SCIENTREPRENEURS** **(OFFLINE EVENT)**

Empowering young minds for a sustainable future

Science entrepreneurs are individuals who combine scientific knowledge with business acumen to create and grow companies, that address real-world problems.

Event Overview:

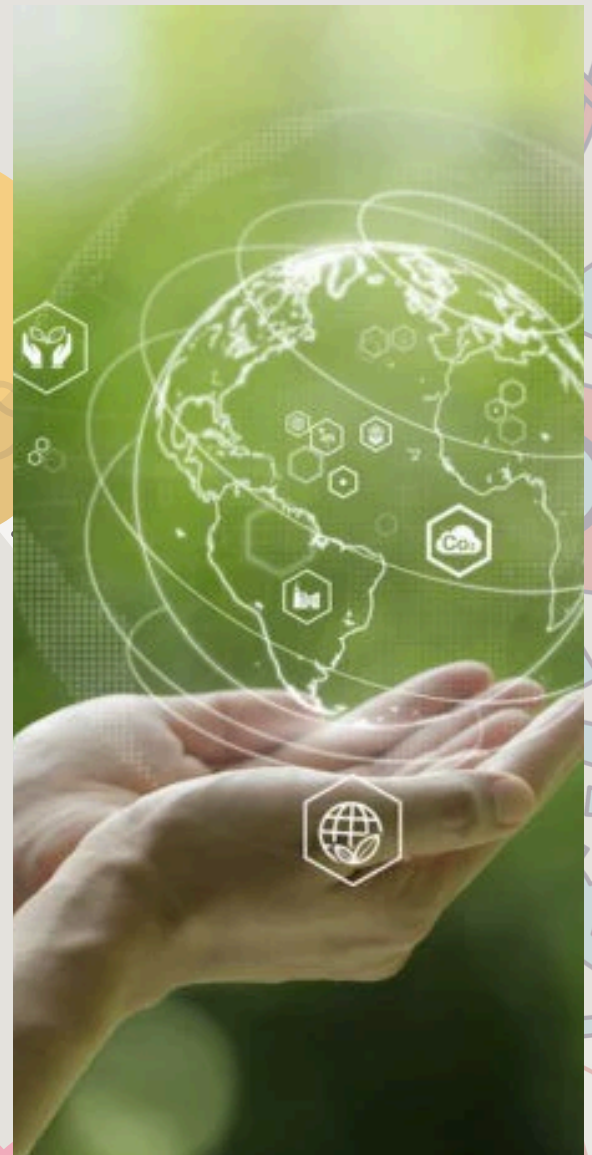
- **Theme:** Sustainable Business Plan
- **Activity:** Development of sustainable business plan and pitch.
- **Duration:** 10 minutes

Rules & Terms:

- **Aids :** Digital presentation with suitable and creative images.
- **Participants:** One team per school with a maximum limit of 4 members.
- Two audience questions from competing teams will be raised at the end of the presentation followed by questions from the panel of judges.

JUDGEMENT CRITERIA:

- Business idea- Innovation & creativity
- Market Research & Feasibility
- Presentation skill
- Environmental impact
- Q&A Handling



TOPICS

Biofuels, Quantum Sensors,
Asteroid mining, Space
tourism, Regenerative
medicine

SCIENCE - RULE BOOK

GRADE 9 TO 12

• SUSTAINABLE FILMMAKING (ONLINE EVENT)

Event Overview:

Theme: SDG'S Short Film Challenge:

Activity: Students create short films/ animated videos showcasing any 17 goals of Sustainable Development.

Duration: 10 mins

Group activity: A team of 3 to 4 members one team per school.

Video format: MP4 1080p

Size: 100 Mb

Last submission date: 18/09/2025

Link for submission:

<https://forms.gle/tRF436kgKrGts6j3A>

ANIDOC/ Documentary-style films: These films explore the impact of the SDGs on communities and the challenges in achieving them.

Films focused on specific SDGs: For example, there are films addressing hunger, water conservation, and other specific goals.

Rules and Terms

- All films should be well within 10 minutes length, end credits inclusive.
- All submissions should include applicants' profile details and School name .
- The theme and message of the film should be on any of the 17 SDGs.
- The film must have been produced based on the current realities of the location of the filmmaker.
- Each film will be required to show a vivid representation of the dangers confronting our world and why there must be concerted efforts towards the actualization of these goals
- The best films will be decided by the jury
- Language used: English or Tamil (No usage of any inappropriate words)

JUDGEMENT CRITERIA:

- Relevance to sustainability theme
- Originality in script & Creativity
- Eco friendly production practice
- Solution Oriented/ Call to Action
- Use of Visuals & sound



SCIENCE - RULE BOOK

GRADE 3 TO 5

• NEURAL NODES VIDEO PRESENTATION (ONLINE EVENT)

Event Overview:

Theme: Sustainable goals

Activity: The Individual should talk about any one of the topics given in the SDG's clearly and precisely, with appropriate costumes and aids. The video presentation should be submitted in the given link below.

TOPICS

Zero Hunger, Good Health & Well Being, Clean Water & Sanitation, Climate Action or any other SDG's goals.

The message regarding their viewpoint on the above given SDG's should be persuasive and have clarity.

Rules and Terms

Duration: 3 to 5 mins

Participants: 3 individual participants per school

Mode: Online platform

Video format: Mp4, 1080p (portrait format with clear audio) & size:(100MB)

Link for submission:

<https://forms.gle/eYrB6vWVdcjrj6X1F9>

JUDGEMENT CRITERIA:

- Relevance to sustainability theme
- Originality & Creativity
- Communication skills
- Solution Oriented
- Use of Supportive Aids



SCIENCE - RULE BOOK

GRADE 3 TO 5

- **MIND MERGE**
RE- ENACT SCIENTIFIC
PROCESSES(OFFLINE EVENT).

Event Overview:

Theme: Scientific processes

Participants mimic the actions involved in a specific event or series of events. A re-enactment is intended to educate or convince others regarding the veracity of a particular theory

Activity: Participants should re-enact activities related to scientific processes, using performing arts like music, dance & drama.

TOPICS

Any scientific process like Photosynthesis, Water cycle, Digestion, Respiration, Circulation, etc.

JUDGEMENT CRITERIA:

- Scientific accuracy & Concept understanding
- Creativity in Reenactment
- Clarity in presentation
- Real life Relevance
- Use of Props/ Models

Rules and Terms

- **Duration:** 5 mins
- **Group:** 3 to 4 members/ one team per school
- Participants must bring the materials required for their activities.



SCIENCE - RULE BOOK

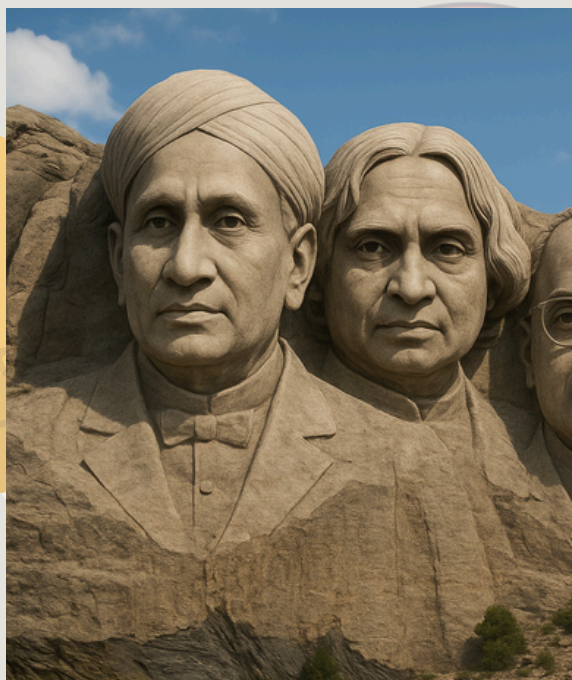
GRADE 6 TO 8

- **IGNITING MINDS “CELEBRATING INDIA'S UNSUNG SCIENCE HEROES.”**
DIGITAL PRESENTATION (ONLINE EVENT)

Event Overview:

Theme: Unsung Heroes of Indian science

Activity: Research and Presentation- Each individual should showcase their creative work and express themselves clearly and precisely, ensuring their message is easily understood by the audience. The message regarding their viewpoint using video presentation on the contribution of the Heroes of Indian science should have clarity and be persuasive.



JUDGEMENT CRITERIA:

- Relevance of the Hero chosen
- Depth of Research
- Clarity in presentation
- Creativity & Originality
- Visual aids or Multimedia use

Rules and Terms

- **Duration:** 3 to 5 mins
- **Participants:** 3 individual participants per school
- All videos should be well within **5 minutes length, end credits inclusive.**
- All submissions should include **applicants' profile details and School name.**
- The theme and message of the film should be **clearly** presented.
- **Video format:** MP4 1080p
- **Size:** 100MB
- **Link for submission:** <https://forms.gle/R23JJnuM75uSYpT59>

SCIENCE - RULE BOOK

GRADE 6 TO 8

- **ZAP THE GAP**

CONNECTIONS (OFFLINE EVENT)

Event Overview:

"ZAP THE GAP – CONNECTIONS" is an engaging quiz-based event designed to challenge your knowledge, communication skills, and quick thinking all centred around the theme of Sustainable Development Goals (SDGs).

Activity:

- **Milestone 1** - General round - Written test
- **Milestone 2** - Dumb charades on scientific phenomenon/ terms (3 words per team)
- **Milestone 3** - Buzzer round
- **Milestone 4** - Subject round (3 questions for each team - Rapid fire round)



RULES & TERMS

- Maximum of 3 members allowed in a team and one team per school
- No external aids allowed, including mobiles and other electronic devices during the quiz.
- The quiz master's decisions are final and not subject to change under any circumstances.

JUDGEMENT CRITERIA:

- Correct Answer
- Time management
- Team Coordination

MathTalk Spark!

(Grades 3–5 | Online | Live Presentation)

“Math is Everywhere... and It Makes the World Better!”



What's MathTalk Spark All About?

MathTalk Spark is a friendly platform for young students to share how they see math in their everyday life.

Students will **link their talk to real-world issues** that is, **reducing waste**. The idea connects with the United Nations Sustainable Development Goals (SDGs) in a fun, simple way.

Prepare a 2 minute talk on the given topic, and present it live with the help of drawings, simple props.



Topic (with Math + SDG Clues)



Trash to Treasure



SDG 12 – Responsible Consumption and Production

Let's count the waste we throw at home — sort it, graph it, and figure out ways to recycle or reduce using simple math.



Who Can Participate?

- o One participant from each school



Important Dates:

- o Meeting Link & Time Slots Send by: 17th July 2025
- o Tech Check: 10 minutes before the event begins



What Will Judges Look For?

Criteria	What it Means	Marks
Clear Explanation	Is the math idea explained correctly and simply?	10
Speaking Style	Is the student confident, clear, and expressive?	10
Creativity	Use of visuals, props, or fun examples	10
Real-Life Connection	Does it relate to daily life or an SDG theme?	10
Time Management	Within 3 minutes	5

Abacus Championship

(Grades 3–5 | Offline | On-Stage Event)

“Celebrating Speed, Skill & Mental Agility”

To nurture arithmetic fluency, focus, and mental visualization through abacus techniques. This exciting on-stage event invites children to demonstrate their speed, accuracy, and mental agility in a fun and encouraging environment. Students will **compete in three rounds**, gradually moving from physical calculation to complete mental mastery.

Who Can Participate?

- Each school may send 1 team of 3 students
- 1 student each from grades 3, 4 and 5
- 3 On-Stage Rounds of Rising Challenge

Round 1 (preliminary): Speed & Accuracy (Written – With Abacus Tool)

- **Focus:** Bead-based calculation under time pressure
- **Goal:** Solve a set of arithmetic questions using the physical abacus
- **Format:**
 - **No. of questions:** 50 questions (Addition, Subtraction and simple Multiplication)
 - **Time:** 3 minutes
 - **Materials:** Printed question paper, abacus frame(to be brought by the participants), answer sheet
 - **Scoring:** 1 point per correct answer; no negative marking

Round 2: Visual Speed Drill (Mental Abacus – Flash Round)

- **Focus:** Mental visualization & number retention
- **Goal:** Solve problems mentally, using abacus imaging techniques
- **Format:**
 - 10 problems (oral)
 - Scoring: 2 point per correct answer

Round 3: Fast -Finger fielders (Oral Rapid Fire)

- **Focus:** Instant thinking & speed verbal response
- **Goal:** Answer mental abacus problems on the spot
- **Scoring:**
 - +5 points for a correct answer
 - 0 points for a pass
 - 2 point for incorrect answers

Math Meme Showdown!

(Grades 6-8 | Online | Pre-submission Event)

“Math is Funny... Seriously!”



What Is the Math Meme Showdown?

This unique event invites students to combine math concepts with humour to create original and meaningful memes!

By encouraging learning through humour and visuals, this event supports SDG 4, which aims to make education more engaging, inclusive, and skill-based for all.



What Can You Meme?

Your meme can:

- Make math more understandable or enjoyable
- Use funny classroom moments or student experiences
- Turn a formula or concept into a joke with meaning
- Help others learn through laughter and creativity



Submission Guidelines

- Mode: Online (pre-submission)
- Submit one meme per student
- Format: JPG or PNG
- File name: Name_Grade_School
- Link to Submit: <https://forms.gle/1Psjd5mXZbp5kXPA>
- Deadline: 19th July 2025
- Must be original (no internet copies)



How to Make Your Meme:

- Use free tools like Canva, Meme Generator, or Imgflip
- Keep it school-appropriate, simple, and funny
- Ensure the math concept is clearly shown or hinted at
- Text should be readable and visually balanced



What Will Judges Look For?

Criteria	Judging Basis	Marks
Math Concept Clarity	Is the math idea clearly and cleverly presented?	10
Creativity & Humour	Is it witty, original and genuinely funny?	10
Design & Visuals	Is the layout clean and visually appealing?	10
Relatability	Can students connect with the scenario or joke?	10
Readability	Is the message easy to understand and enjoy?	5

Calcudoku Challenge

(Grades 6-8 | Offline | Logic Puzzle Competition)

“Think Fast. Think Smart. Puzzle Out!”



What is the Calcudoku Challenge?

Welcome to the ultimate test of speed, logic, and brainpower! In this challenge, students will solve a **Calcudoku puzzle** — a clever mix of **Sudoku and arithmetic**. Each participant receives a unique grid with number and operation clues. The goal is to complete it **accurately and as quickly as possible**.



Who Can Participate?

- Students of Grades 6-8
- Individual participants
- Maximum two students can participate from each school



How It Works:

- Puzzle sheets will be distributed at the event
- Each puzzle is levelled appropriately for middle schoolers
- Students solve and submit their completed puzzle within the time limit
- No calculators or devices allowed — only brain + pencil!
- Duration: 30 min



What Will Judges Look For?

Criteria	Judging Basis	Marks
Accuracy	All blocks satisfy the operation and final grid is valid	20
Logical Flow	Student shows smart and clean solving strategy	10
Speed	Completes in the shortest correct time	10
Neatness & Clarity	Clearly written and organized grid	5

Math Battle

(Grades 9-12 | Online | Recorded Video Submission)

"Can Math Save the Planet?"



What Is It?

The Math Battle is a creative competition for students of Grades 9 to 12 that encourages real-world application of mathematics. "Solar Panels & Trigonometry: Clean Energy by Angles," invites students to explore how trigonometric concepts are used to determine the ideal angle for solar panels to maximize sunlight and energy efficiency. Through a 2-minute video, participants will showcase how math can contribute to a cleaner, more sustainable future..



Duration: Max 2 minutes



Participation: Individual, 2 students per school



Submit By: 19th July 2025



Link to Submit: <https://forms.gle/3joJ49dRdUiMfTzS7>








Topic (Grades 9-12):

1. Solar Panels & Trigonometry: Clean Energy by Angles



Video Submission Guidelines:

- ☐  Max 2 mins |  Spoken explanation, not read from notes
- ☐  Clear voice, eye contact, simple visuals (slides, drawings, props allowed)
- ☐  No AI voiceovers or full screen-reading
- ☐  Keep it creative, clear, and connected to the theme

Escape Room Challenge

(Grades 9-12 | Offline | Team Event)

"Crack the code with Math and Logic!"



SDG Focus: Quality Education, Clean Water, Affordable Energy, Climate Action



Overview:

A thrilling hands-on team challenge where students solve a sequence of math-based puzzles, each connected to a real-world issue inspired by the Sustainable Development Goals (SDGs). Each correct solution leads to the next — solve them all to “escape” within the time limit!



Participation:

- 1 team per school (3 students)
- Open to Grades 9–12



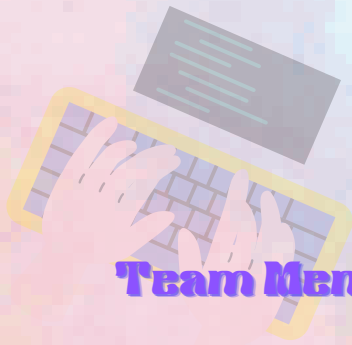
How It Works:

- Teams solve a series of math-integrated puzzles one by one
- Each puzzle is linked to an SDG scenario (e.g., water use, energy, climate)
- Solving all clues = successful escape
- Puzzles may include riddles, logic, visual reasoning, or calculations



Rules:

- No calculators, mobiles, or internet tools
- Only pen/pencil and paper for rough work
- Teams must solve puzzles in sequence
- Collaboration and clear thinking are essential



Online Event

Pixeloom (Scratch Game)

Team Members: 3 | Pre-submission Event | Category: 3-5

SCRATCH

Rules:

Create a short interactive story or game

 **Tools to be used**

- **Scratch**

 **Topic Ideas**

- **Save the earth,**
- **Robot in trouble,**
- **My super power is empathy,**
- **The virtual class mystery,**
- **Time travel trouble, lost in space)**



Submission Format

Google-form- <https://forms.gle/NEicayDMoWaxkkPS9>

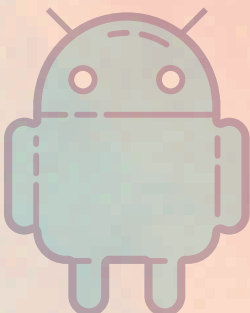
Note:

- **Power point file with all the screen shots of project should be attached**
- **Video Format : MP4 1080p**
- **Size:100 MB**

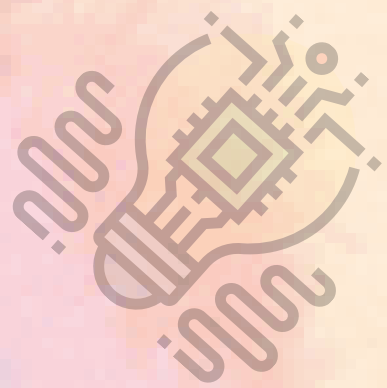


Judging Criteria:

Creativity | Coding | Design | Theme Relevance | Video Presentation



START



UPLOAD AND ROAST (Meme – Creation)

Team Members: 2 | Pre-submission Event | Category 6-8

Rules:

A tech-themed meme battle event where students create and present memes based on prompts or categories related to technology, coding, gadgets, internet culture, and more.

✂️ TOOLS TO BE USED

- Canva
- Imgflip meme generator
- Photoshop / Figma



💡 Meme Ideas

- “WE WANTED FLYING CARS. INSTEAD, WE GOT CHATGPT WRITING OUR ESSAYS”
- “WHEN THE AI HEALTH BOT SAYS YOU'RE FINE BUT WEBMD SAYS YOU'RE DYING”
- WHEN YOU FINALLY LEARN PYTHON FROM YOUTUBE AND IT ACTUALLY WORKS”



Submission Format

- Image meme format: (jpeg/png/gif)
- Google form- <https://forms.gle/Pq4h3q7DyvhS6JoC8>



Judging Criteria

Humor | Design | Virality | Original Content | Relevance to Theme

APP VENTURE (Application Development)

Team Members: 2 | Live Event | Category 9-12

Rules:

A creative competition where students design and pitch their own mobile or web app idea. The app must solve a real-world problem or align with a sustainable development goal. This can be a no-code prototype, a mock-up, or a working app.

✂️ TOOLS TO BE USED

- MIT App inventor

💡 Topic Ideas

Climate action | Good health | Education for all | Gender equality |
Clean water & sanitation | Innovation and infrastructure



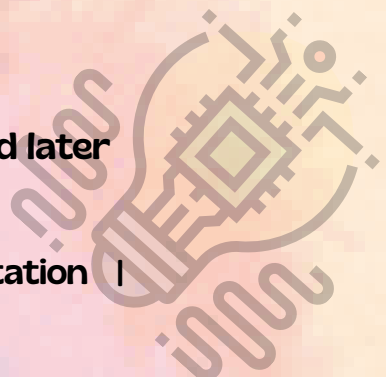
Submission Format

- Google form - <https://forms.gle/wetzFypDNXgvEwmm6>
- Online meet – Date: 21st July 2025. Online Link will be shared later



Judging Criteria

User Interface | Technical Functionality | Pitch & Presentation |
Innovation & Originality | Execution



Offline Event

PILLAR OF INNOVATION (Bridge Building)

Team Members: 2 | Live Event | Category 3-5

Duration : 1 hr

Rules:

- Each team has to build a model bridge that represents or supports any sustainable development goal.
- **Materials required:** (eco-friendly-paper, cardboard, recycled plastics, popsicle sticks, straws, newspaper).
- Each team is required to bring their own required materials.
- Participants will not be allowed to exceed time limit.
- Ensure all materials are safe for the participants.
- Judgement will be based on creativity, presentation and neatness.



Judging Criteria:

Usefulness | Feasibility | Innovative | Design | Sustainability

BUGLESS BRAIN BATTLE (Quiz)

Team Members : 2 | Live Event | Category 3-5 |

Duration : Level 1 - 30 minutes | Level 2 : 40 minutes

Rules:

The quiz will have 2 main rounds:

- Preliminary round – Google form
- Final round – Buzzer Round

Teams which scores highest marks in Preliminary round will be qualified to the final round which is going to be conducted on the same day.



Judging Criteria:

Correctness of Answers | Team coordination | Time Management



Offline Event

SUSTAINOSIT& (Website Development)

Team Members: 2 | Live Event | Category 6-8 |

Duration: 45 mins

Rules:

WEBSITE



To design and develop an engaging, user-friendly, and visually appealing website that showcases a cultural event, celebrating-diversity, traditions, and community engagement.

✂ TOOLS TO BE USED

- HTML
- CSS
- JavaScript.



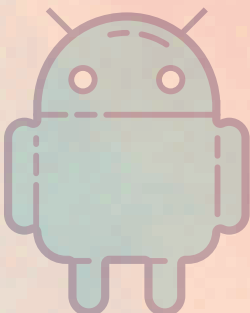
Topic Ideas

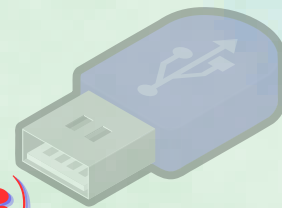
- Smart Farming for All
 - Wellness Web
 - Tech for the Poor
 - Voices Unmuted
 - Edu For All
-
- Participants will not be allowed to exceed time limit.
 - Participants should demonstrate their Website as a presentation.
 - Judgement will be based on creativity, presentation and neatness



Judging Criteria:

Correctness of Answers | Team coordination | Time Management





Offline Event

FUTURE-PROOF FORUM (Debate)

Team Members: 2 | Live Event | Category 6-8

Duration: 1 Hr

Rules:

- A debate topic will be given on spot 5 minutes prior (SDG)
- The participants debate both for and against a randomly chosen topic, switching perspectives when directed by the judges.
- One speaker per team will deliver the opening, rebuttal, and closing remarks.
- The speech must be relevant to the topic.
- Use of facts, logic, and statistics is encouraged.
- Avoid personal attacks, inappropriate language, or political propaganda.
- The debate will be conducted in English.
- Clear, respectful, and formal language is expected.



Judging Criteria:

**Content & Argument |
Language & Style**

Delivery & Communication

Team Coordination |





Offline Event

Code with a face (Coding)

Team Members: 1 | Live Event | Category 9-12 |

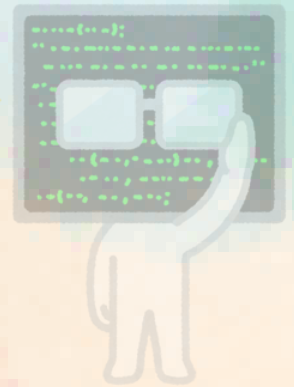
Duration: 40 mins

Rules:

- Participant will decode a sequence of emojis representing a python program idea or logic, then write the actual python code based on the meaning.
- Programming Language: Python
- Participants will be given a set of emojis that hint at a Python-based logic, program, or concept.
- They must decode the meaning and write a working Python program based on the emoji prompt.
- Code must be original and written during the event time

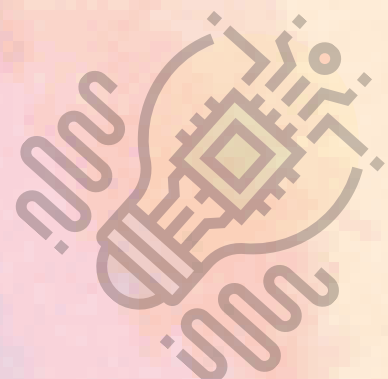
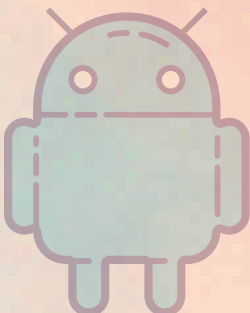
Each solution must have:

- Decoded meaning (1-2 lines)
- Code with comments where needed.
- A single Python file (.py) with all answers.
- Include your Name, Class in the file header.



Judging Criteria:

Problem Solving & Logic | Code Quality & Efficiency | Innovation & Creativity |
Presentation & Explanation



Offline Event

SLIDE & SIMULATE (Presentation)

Team Members: 2 | Live Event | Category 9-12 |
Duration: 7 mins

Rules:

Participants will create and present a digital slideshow (Google slides, PowerPoint, or Canva) showcasing unique AI tools and creative project ideas using AI.

TOOLS TO BE USED

- Google slides
- PowerPoint
- Canva

Disclaimer: Present an AI tool or application other than chatbots.

Minimum no of slides : 5-6 slides



Judging Criteria:

Content Quality | Visual Design | Organization & Structure |
Delivery & Communication | Creativity & Innovation

