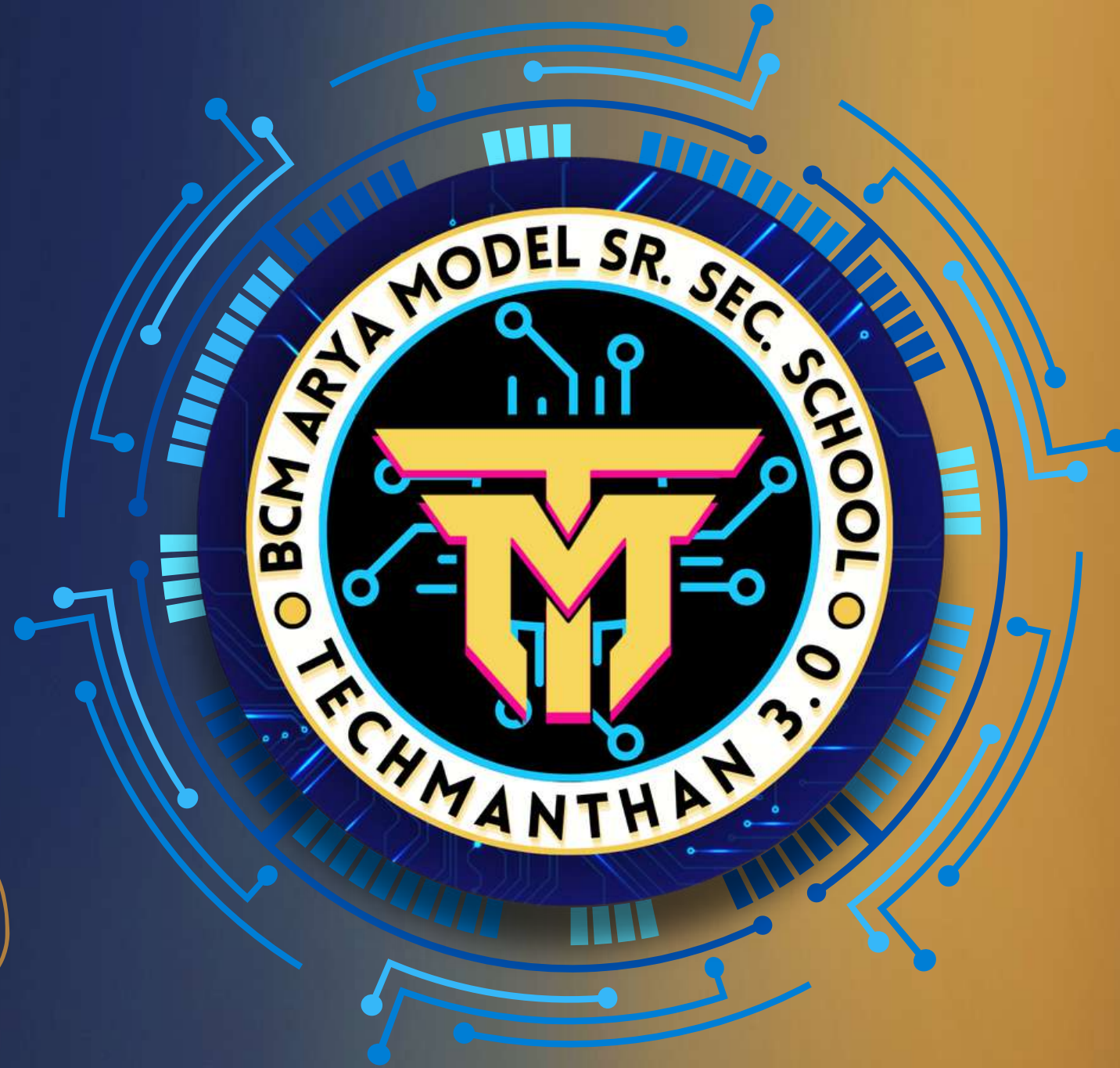
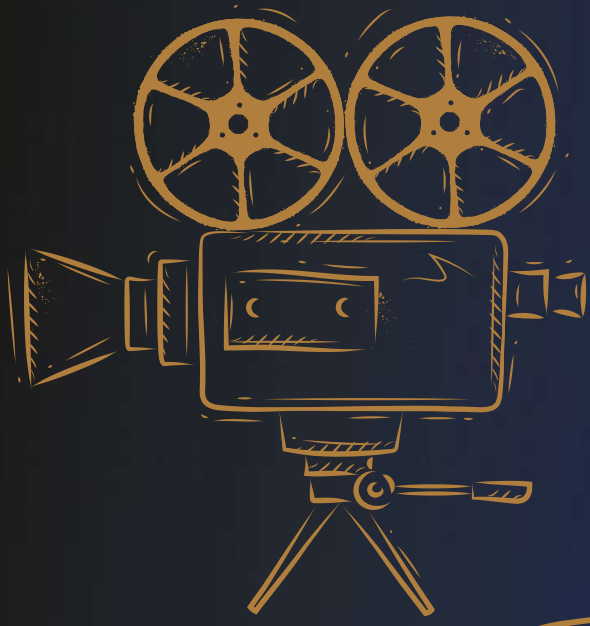




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BCM ARYA MODEL SR. SEC. SCHOOL
SHASTRI NAGAR, LUDHIANA

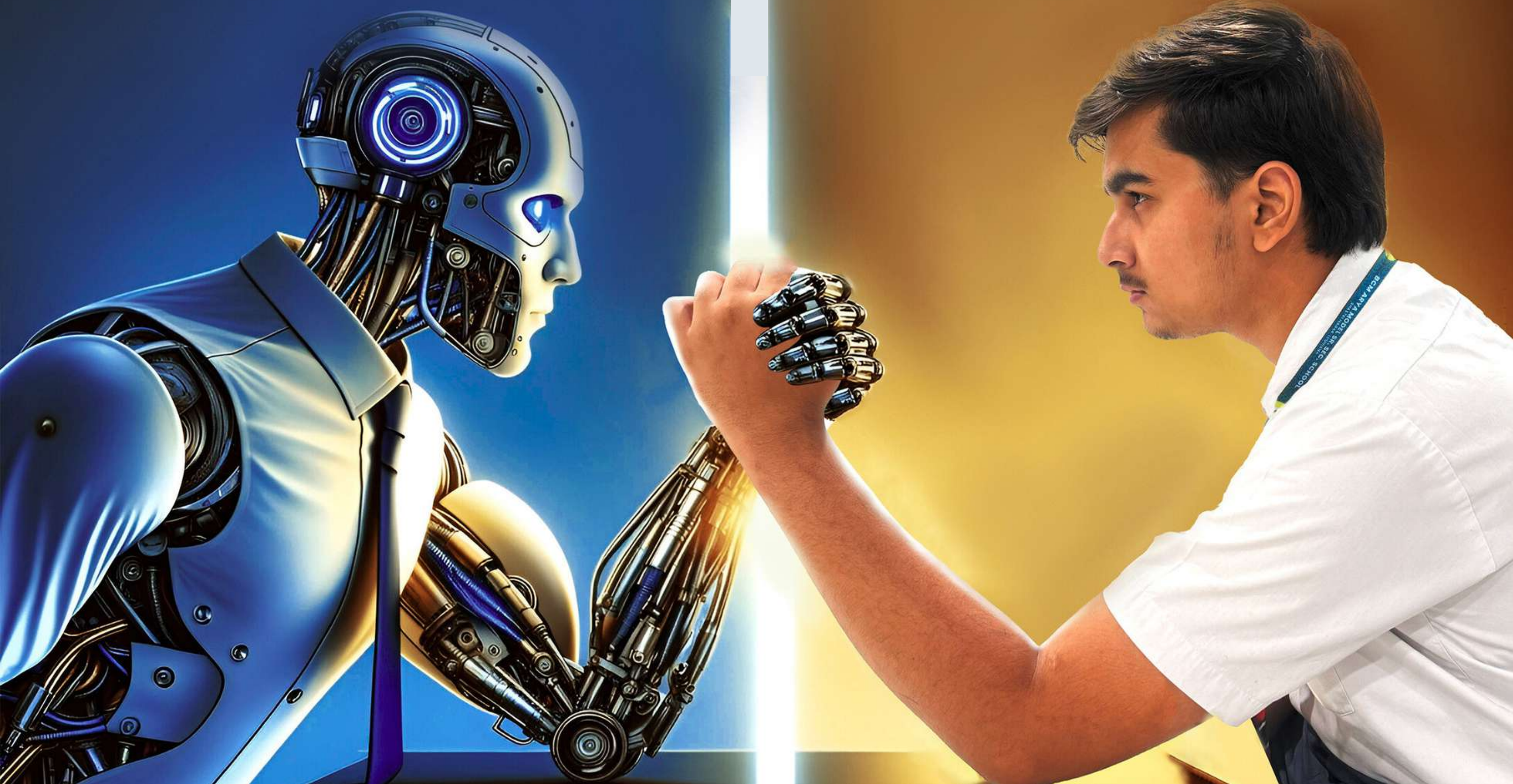


TECHMANTHAN 3.0

AN INTERNATIONAL TECH-MEDIA CONFLUENCE

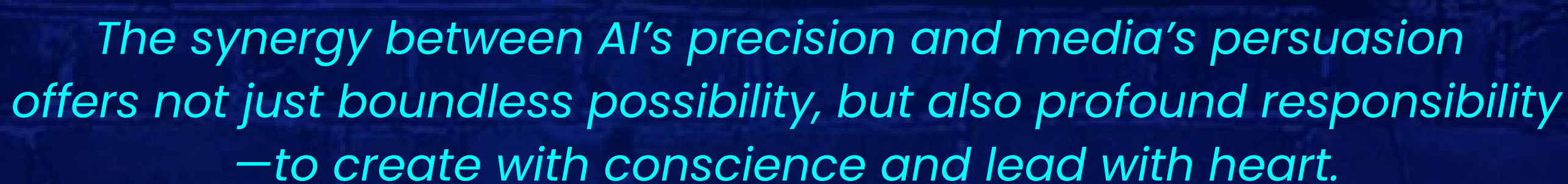
AUGUST 21 & 22, 2025

“MIND vs MACHINE : THE INTELLIGENCE SHOWDOWN”

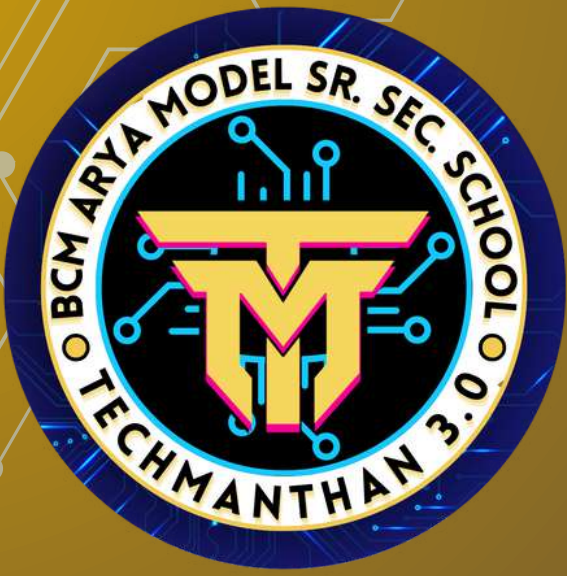




PRINCIPAL



We eagerly await your confirmation and invite you to be part of this transformative experience—*where Tech Talks and Media Walks.*



TECHMANTHAN 3.0

GENERAL GUIDELINES

- >>> TECHMANTHAN 3.0 is an amalgamation of both **ONLINE** and **OFFLINE** Events.
- >>> All the events shall be conducted under four categories:



REGISTRATION

- There is NO Registration fee for participation in **TECHMANTHAN 3.0**.
- Registration link will remain active till **July 15, 2025**.
- To Register: [CLICK HERE](#)
- Participating schools will receive a Login ID and Password after registration.

COMMUNICATION

- Event Specific **WhatsApp groups** have been created to share details/ sort queries.
- For each event, **only one teacher in-charge** can join the WhatsApp group per school.

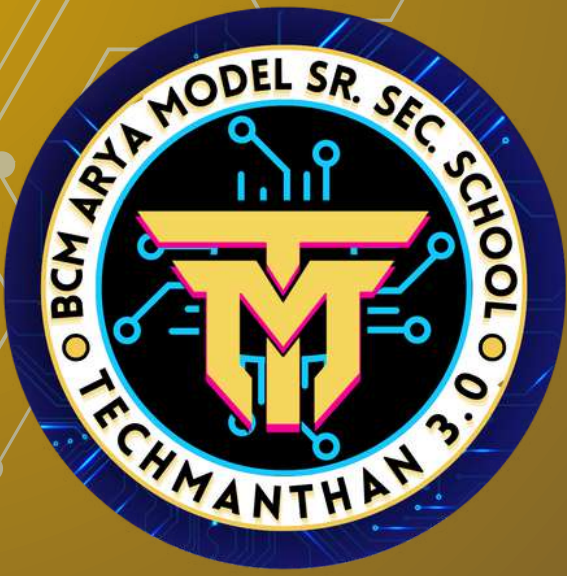
DRESS CODE

- Plain White Shirt (**without** school insignia) with Black Trousers.

LANGUAGE

- Medium of Presentation is **English**.

Cont.....



TECHMANTHAN 3.0

GENERAL GUIDELINES

JUDGEMENT

- Participants must use **only the allotted event code** during the presentation; the school name should not be disclosed.
- Each Student can participate in one event only.
- The Organizers and Jury reserve the right to disqualify any participant/ team for not adhering to event rules and regulations.
- **Decision of Judges** will be final and binding for all.
- Any form of plagiarism will lead to disqualification.

RESULT

- The results for both the online and offline events will be declared on **August 22, 2025**.

AWARDS & PRIZES

- All winners will be awarded with trophies, certificates and attractive prizes during Award Ceremony.
- The **overall trophy** will be awarded to the school with maximum achievements.
- E-certificates will be provided to all the participants.

IMPORTANT TO NOTE:

LAST DATE TO REGISTER

July 15, 2025

ONLINE EVENTS

August 21, 2025

OFFLINE EVENTS

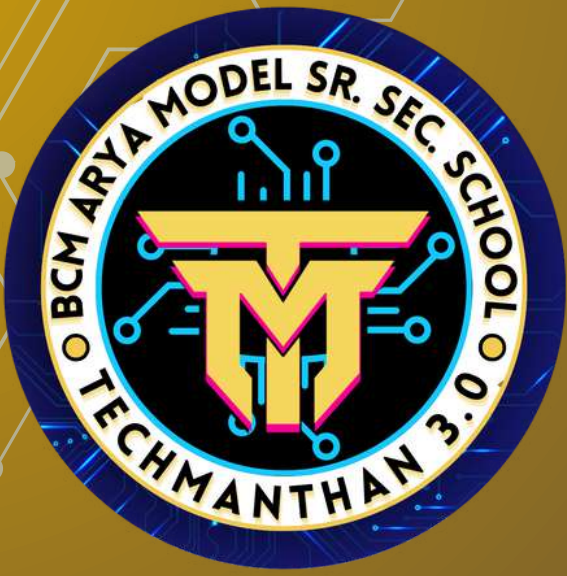
August 22, 2025

PROGRAM CO-ORDINATORS:

Mrs. Maninder Kaur (8146477771)

Mrs. Mandeep Kaur (9988881885)

For more queries, mail at: techmanthan3bcmarya@gmail.com



TECHMANTHAN 3.0

GENERAL GUIDELINES

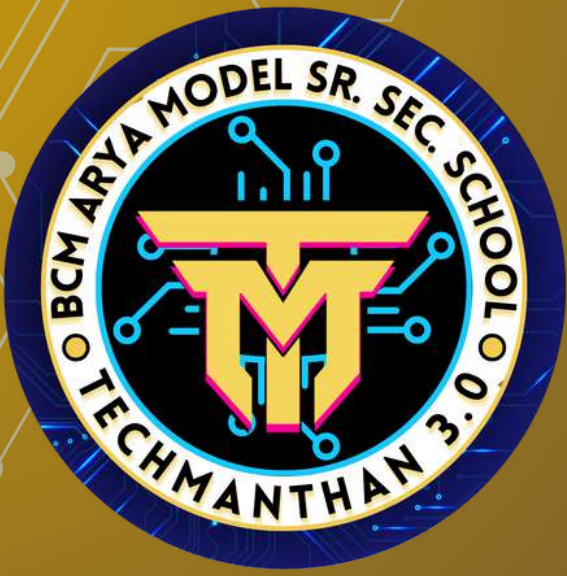
ONLINE EVENTS

- Live **ONLINE** events will be conducted on **August 21, 2025**.
- The technical interface to be used is '**Google Meet**'.
- **Timings and URL** will be shared via WhatsApp group.
- One teacher incharge will join the live session from a separate device using the event code.
- **Participants must:**
 - » Ensure that they have a stable and good internet connection.
 - » Join their respective event, **10 minutes prior** to the starting time with their allotted event code.
 - » Keep their cameras turned ON throughout the event.
 - » Keep all the necessary resources ready beforehand.

OFFLINE EVENTS

- **OFFLINE** events will be conducted on **August 22, 2025**.
- All the necessary details will be shared **one week prior** through WhatsApp group.
- No boarding and lodging facility will be provided by the host school.
- Only one teacher in-charge from each school should accompany all its participating teams.





TECHMANTHAN 3.0

EVENT INFORMATION

CATEGORY-A

GRADE I-II >>

EVENT

PLATFORM

MODE

A1

LITTLE GAME CODERS

SCRATCH JR.

OFFLINE

CATEGORY-B

GRADE III-V >>

EVENT

PLATFORM

MODE

B1

ECO DIGITIZE

CANVA

ONLINE

B2

SUSTAINO CITY

SCRATCH 3.0

OFFLINE

CATEGORY-C

GRADE VI-VIII >>

EVENT

PLATFORM

MODE

C1

REEL GREEN REVOLUTION

ANY

ONLINE

C2

TUNE IN, SYNC UP

INSHOT/ VN/ KINEMASTER

ONLINE

C3

EXCELEDGE - STORY IN CELLS

EXCEL 2019

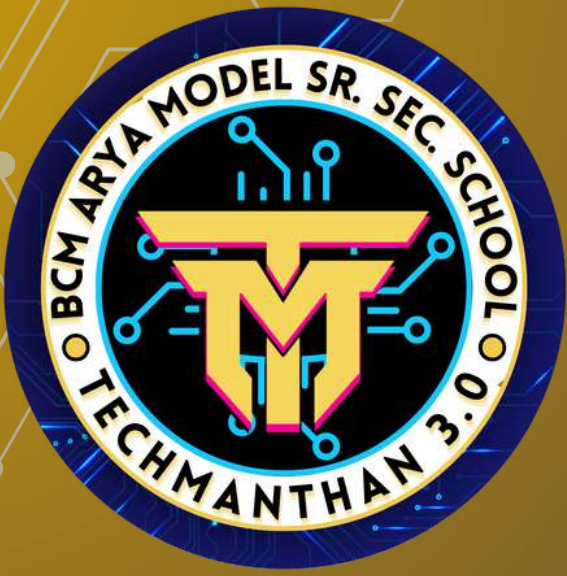
OFFLINE

C4

COMIC CONNECTIONS

WORD 2019

OFFLINE



TECHMANTHAN 3.0

EVENT INFORMATION

CATEGORY-D

GRADE IX-XII >>

EVENT

PLATFORM

MODE

D1

CYBER SLEUTH

**PYTHON IN JUPYTER
NOTEBOOK**

OFFLINE

D2

IDEA IGNITE

HYBRID

D3

SKY RIDERS

OFFLINE

D4

ROBO CRAWL-A-THON

OFFLINE

D5

STOP MOTION

ANY

OFFLINE

D6

PHOTO FUSION

ADOBE PHOTOSHOP

OFFLINE

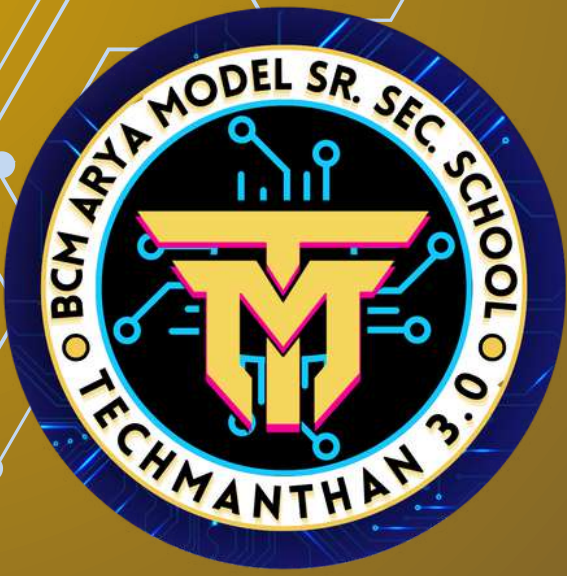
D7

AD PRECISION

**ADOBE PREMIERE PRO/
FILMORA**

ONLINE





TECHMANTHAN 3.0

LITTLE GAME CODERS

A1

EVENT DETAILS:

CATEGORY: A

PARTICIPANTS: 2

MODE: OFFLINE

PLATFORM: SCRATCH JR

THEME: Game based on SDG 3, 6 or 14

DESCRIPTION: Create a functional and playable game that reflects sustainable goals in an entertaining and educational way to raise awareness.



RULES AND REGULATIONS:

- Participants are required to use Scratch Jr to create an innovative game reflecting the theme.
- Use only inbuilt features of Scratch Jr.
- Game should be limited to maximum 2 levels.
- **Time Limit: 1.5 Hour**

PRESENTATION GUIDELINES:

- Oral pitch presentation by both the participants, debriefing their game.
- **Time Limit: 1-2 mins**

JUDGEMENT CRITERIA:

THEME INTEGRATION

10

CREATIVITY AND INNOVATION

10

GAMEPLAY AND FUNCTIONALITY

10

PRESENTATION AND AESTHETICS

10

DESCRIPTION AND CLARITY

10

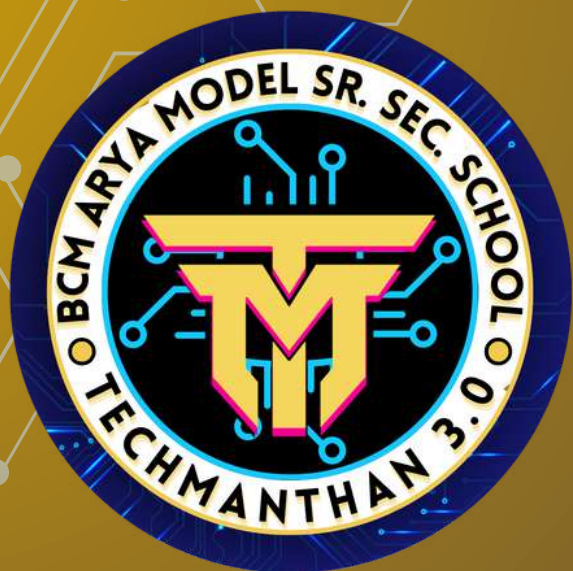
TOTAL

50



FOR QUERIES-
CONTACT EVENT COORDINATOR
Ms. Kanika (9814858891)

(only One Teacher Incharge will join the above group)



TECHMANTHAN 3.0

ECO DIGITIZE

B1

EVENT DETAILS:

CATEGORY: B

PARTICIPANT: 1

MODE: ONLINE

PLATFORM: CANVA

THEME: Beyond the page: Designing for a Sustainable Tomorrow

DESCRIPTION: Design a visually appealing and well-structured e-newsletter that effectively communicates key information.



BREAKING NEWS

RULES AND REGULATIONS:

- Participant will receive a topic **on the spot** related to sustainable development.
- Participant must personally share the editable link of Canva in the beginning of the event.
- Participant must create a two-page original e-newsletter using only the inbuilt features available in Canva's free version. Use of premium (pro) features or paid elements is not allowed.
- Participant can gather content and visuals for the e-newsletter using online resources.
- Focus should be on Sustainable Development aspects, including goals, practices, environmental protection, social & economic aspects, and action plan
- **Time Limit: 1.5 hours**

SUBMISSION GUIDELINES:

- The final creation must be uploaded as a **PDF file** within a **10-minutes** window using the allotted login credentials.

PRESENTATION GUIDELINES:

- The participant will present a brief overview of the newsletter components.
- **Time Limit: 1-2 Min**

JUDGEMENT CRITERIA:

CREATIVITY & INNOVATION

10

CONTENT ARCHITECTURE

20

VISUAL DESIGN

10

PRESENTATION

10

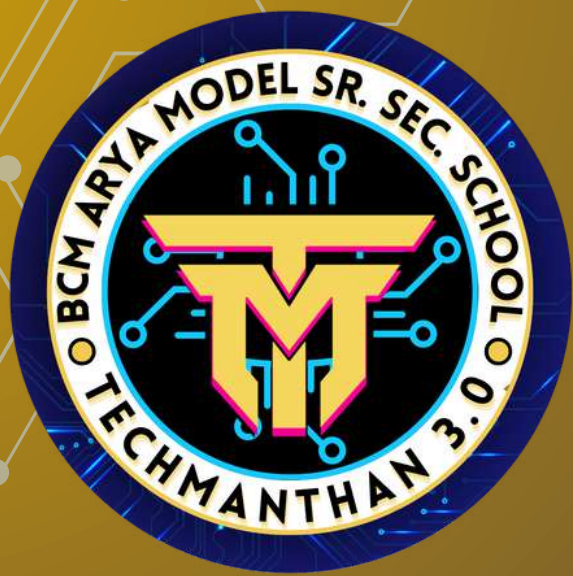
TOTAL:

50

FOR QUERIES-
CONTACT EVENT COORDINATOR
Ms. Mandeep Kaur (9988881885)

(only One Teacher Incharge will join the above group)





TECHMANTHAN 3.0

SUSTAINO CITY B2

EVENT DETAILS:

CATEGORY: B

PARTICIPANTS: 2

MODE: OFFLINE

PLATFORM: SCRATCH 3.0

THEME: Mission: Sustainable Earth

DESCRIPTION: Create a functional, playable game that reflects sustainable city concepts.



RULES AND REGULATIONS:

- Participants will create a game conveying their message efficiently on the relevant theme .
- It should incorporate elements like renewable energy, green infrastructure, waste management, sustainable transport, or social equity.
- No external assets (e.g., pre-made game templates, art, or code libraries) are allowed.
- The game should be an original creation with a maximum of 3 levels developed during the competition.
- **Time Limit: 1.5 hours**

PRESENTATION GUIDELINES:

- Oral pitch presentation by both the participants, debriefing their game.
- **Time Limit: 1-2 mins**

JUDGEMENT CRITERIA:

THEME INTEGRATION

10

CREATIVITY AND INNOVATION

10

GAMEPLAY AND FUNCTIONALITY

10

PRESENTATION AND AESTHETICS

10

DESCRIPTION AND CLARITY

10

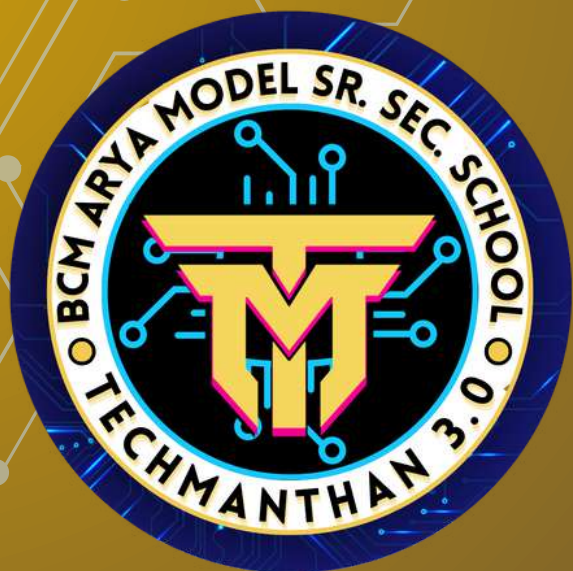
TOTAL

50



FOR QUERIES-
CONTACT EVENT COORDINATOR
Ms. Ankita (9988552252)

(only One Teacher Incharge will join the above group)



TECHMANTHAN 3.0

REEL GREEN REVOLUTION

C1

EVENT DETAILS:

CATEGORY: C

PARTICIPANTS: 4-6

MODE: ONLINE

PLATFORM: ANY VIDEO EDITING SOFTWARE

THEME: Earthwise – A Life in Harmony

DESCRIPTION: Creating a reel to showcase how we can live organically and sustainably by using chemical-free products, eating healthy, reducing waste and caring for the Earth.



RULES AND REGULATIONS:

- Participants will enact and dramatize to create a reel aligned with the given theme.
- Audio and spoken content must be clear, age-appropriate and easily understandable.
- Use of environment-friendly props and costumes is encouraged to enhance visual impact.
- Background music or effects (if used) should be non-distracting and appropriate to the message. Avoid the use copyright material.
- **Duration of reel: Up to 60 sec.**

SUBMISSION GUIDELINES:

- The final creation must be uploaded as an unlisted YouTube link through the allotted login credentials.
- **Last Date to Submit: 30th July, 2025**

PRESENTATION GUIDELINES:

- Two participants will present the reel, followed by a brief Question & Answer round.

JUDGEMENT CRITERIA:

ORIGINALITY

10

INNOVATION & CREATIVITY

10

IDEA FEASIBILITY

10

RELEVANCE

10

Q/A ROUND

10

TOTAL

50



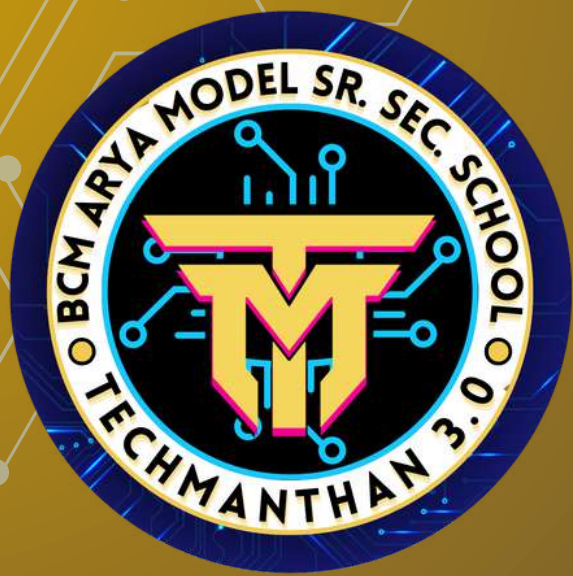
WhatsApp Group Invite (Category C)

FOR QUERIES-

CONTACT EVENT COORDINATOR

Ms. Urvashi Bhardwaj (9915953687)

(only One Teacher Incharge will join the above group)



TECHMANTHAN 3.0

TUNE IN, SYNC UP

C2

EVENT DETAILS:

CATEGORY: C

PARTICIPANTS: 2

MODE: ONLINE

PLATFORM: INSHOT/ VN/ KINEMASTER

THEME: Sound Meets Sight: The Chroma Challenge

DESCRIPTION: Using green screen technology, raw footage will be transformed into a cinematic masterpiece.



RULES AND REGULATIONS:

- Participants will be provided with a pre-recorded green screen video lasting 2–3 minutes at the start of the event.
- Participants must remove the green screen background using any one of the given video editing softwares.
- The background should enhance the scene by adding relevant text, images, music or video to create a final cut.
- **Time Limit – 2 hours**

SUBMISSION GUIDELINES:

- The final creation must be uploaded within **10–minutes** window as an unlisted **YouTube link** through the allotted login credentials.

JUDGEMENT CRITERIA:

CHROMA KEY QUALITY

15

VIDEO EDITING & EFFECTS

15

CREATIVITY

10

OVERALL IMPACT

10

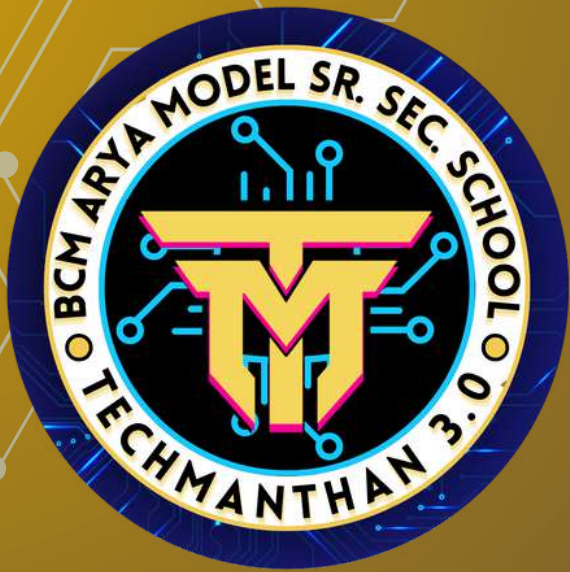
TOTAL

50



FOR QUERIES-
CONTACT EVENT COORDINATOR
Ms. Gaganpreet Kaur (9914064488)

(only One Teacher Incharge will join the above group)



TECHMANTHAN 3.0

EXCELEDGE- STORY IN CELLS

C3

EVENT DETAILS:

CATEGORY: C

PARTICIPANTS: 2

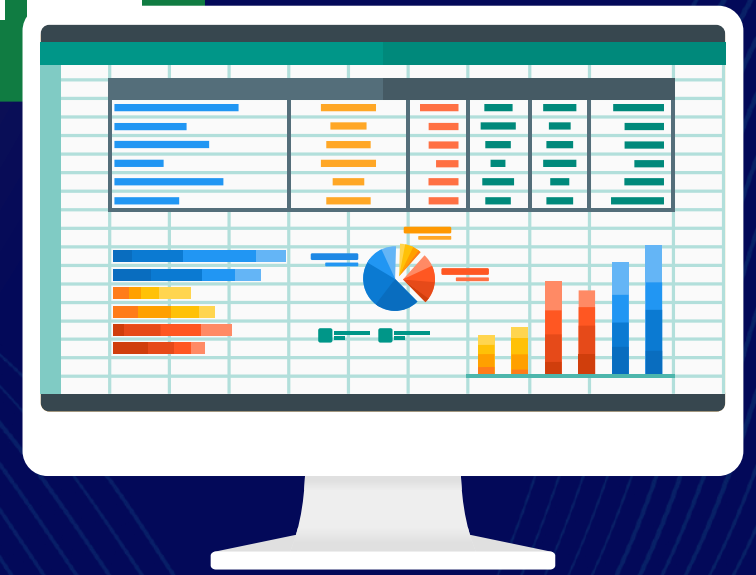
MODE: OFFLINE

PLATFORM: EXCEL 2019

XLS

THEME: Data Driven Story telling through Visuals

DESCRIPTION: Examine data and generate insightful conclusions using formulas, graphical tools and present it as a storyline.



RULES AND REGULATIONS:

- In this event, teams will be provided with real-world data **on the spot**.
- Participants must demonstrate their proficiency in the following areas:
 - a) **Data Analysis:** Utilize Excel tools such as pivot tables, graphs and conditional formatting to analyze and organize data effectively.
 - b) **Visual Representation:** Create a variety of chart types (e.g., bar charts, line graphs, pie charts) to illustrate key insights derived from the data.
 - c) **Data Interpretation:** Narrating a story using visuals created.
- Participants must rely on offline tools and resources. No internet access will be provided.
- **Time Limit: 1.5 Hours**

PRESENTATION GUIDELINES:

- Participants will share their findings through a compelling story.
- **Time Limit: 2-3 minutes**

JUDGEMENT CRITERIA:

VISUAL REPRESENTATION 10

DATA ANALYSIS 10

DATA INTERPRETATION 10

RELEVANCE 10

PRESENTATION SKILLS 10

TOTAL 50

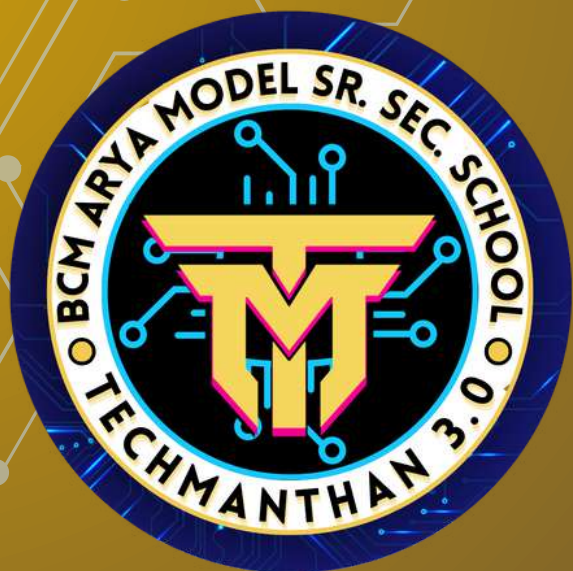
FOR QUERIES-

CONTACT EVENT COORDINATOR

Ms. Simranjeet Kaur (8567815410)

(only One Teacher Incharge will join the above group)





TECHMANTHAN 3.0

COMIC CONNECTIONS

C4

EVENT DETAILS:

PARTICIPANTS: 2

CATEGORY: C

MODE: OFFLINE

PLATFORM: WORD 2019

THEME: A Twist in the ordinary : Turn a simple situation into a unexpected humorous narrative

DESCRIPTION: Create an original comic strip using provided photos and self-written dialogues to tell a clear, engaging story.



RULES AND REGULATIONS:

- Participants must use only the provided photos to create their comic strip, external images are not allowed.
- The comic strip must be self-explanatory, with all dialogues and storyline being original and created by the participants.
- The comic file must have a logical flow with proper text placement.
- The finished strip must be saved as a PDF file.
- Internet usage is strictly prohibited during the event.
- The story must be compiled on one page of A3 size.
- Layout : Landscape
- **Time Limit : 2 hours**

PRESENTATION GUIDELINES:

- Participants will present the humour element and the summary.
- **Time Limit: 1 minute**

JUDGEMENT CRITERIA:

COMIC LAYOUT & CREATIVITY

10

CLARITY & FLOW

20

TECHNICAL SKILLS

10

PRESENTATION SKILLS

10

TOTAL

50

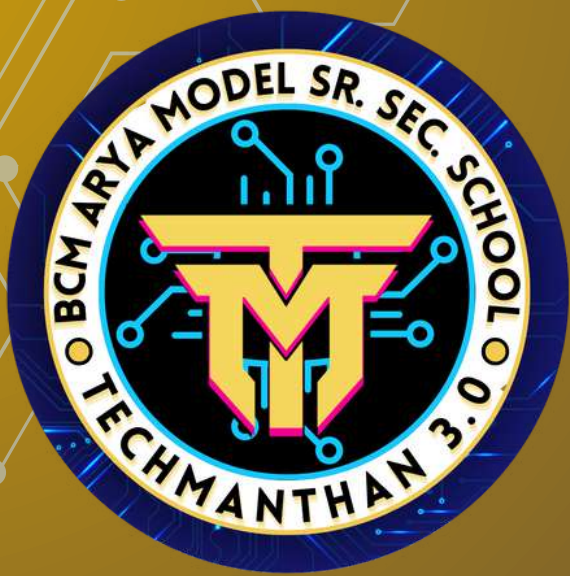
FOR QUERIES-

CONTACT EVENT COORDINATOR

Ms. Seema (9803263379)

(only One Teacher Incharge will join the above group)





TECHMANTHAN 3.0

CYBER SLEUTH D1

EVENT DETAILS:

PARTICIPANTS: 1

CATEGORY: D

MODE: OFFLINE

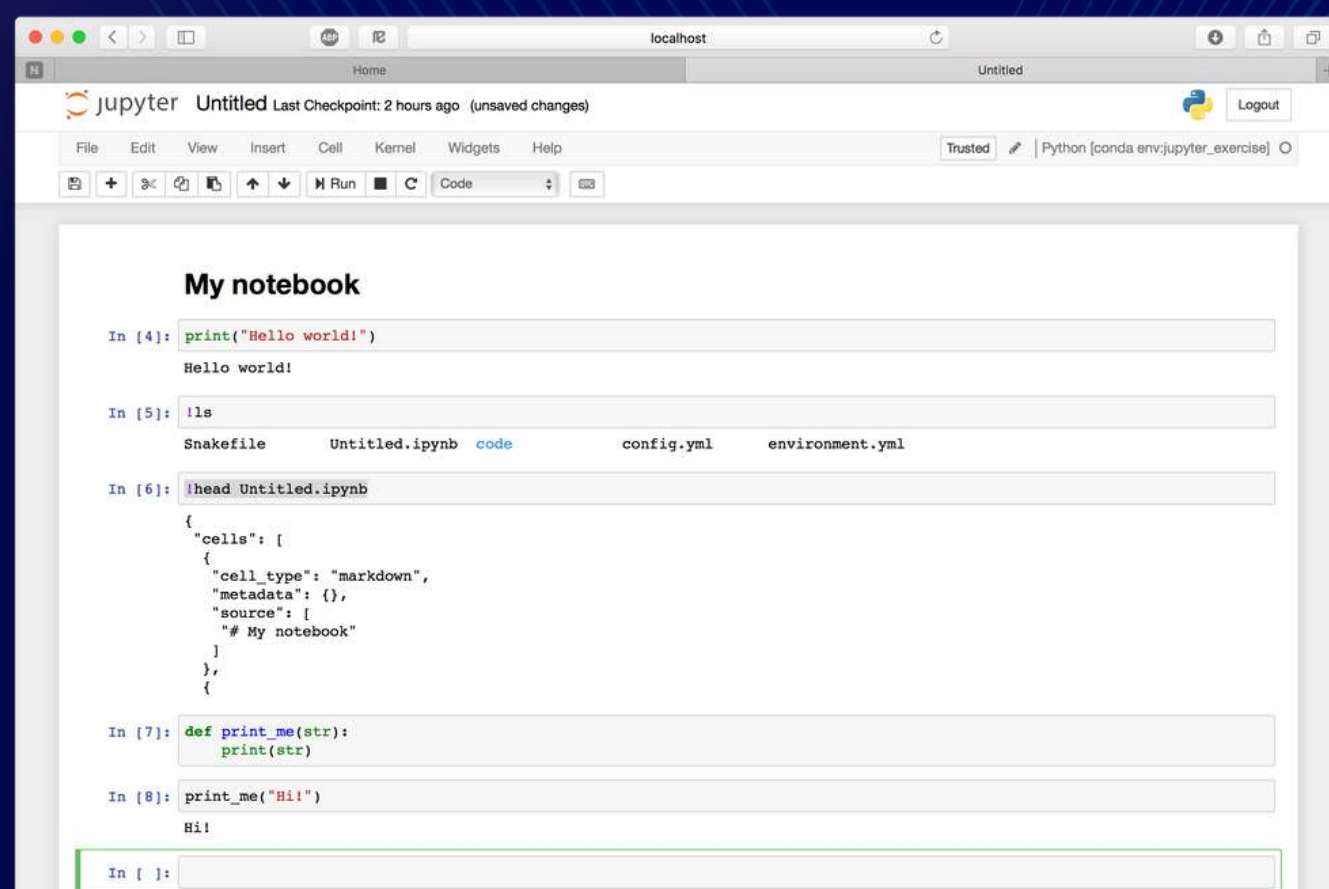
PLATFORM: PYTHON IN JUPYTER NOTEBOOK

THEME: Cyber Security Challenge

DESCRIPTION: Empower the Future with Data Driven Cybersecurity Solutions

RULES AND REGULATIONS:

- Participants must solve the provided digital mystery, identify abnormal behavior and code a preventive solution.
- All tasks must be completed using Python language only in Jupyter Notebook using Pre-Packaged permitted libraries such as pandas, matplotlib/seaborn and datetime.
- **Time Limit: 1 hour**



JUDGEMENT CRITERIA:

ACCURACY OF DATA EXTRACTION 20

CLARITY AND ORGANISATION OF DATASET 15

VISUAL ANALYSIS (GRAPHS, PATTERNS) 15

RELEVANCE AND LOGIC OF PYTHON SOLUTIONS 30

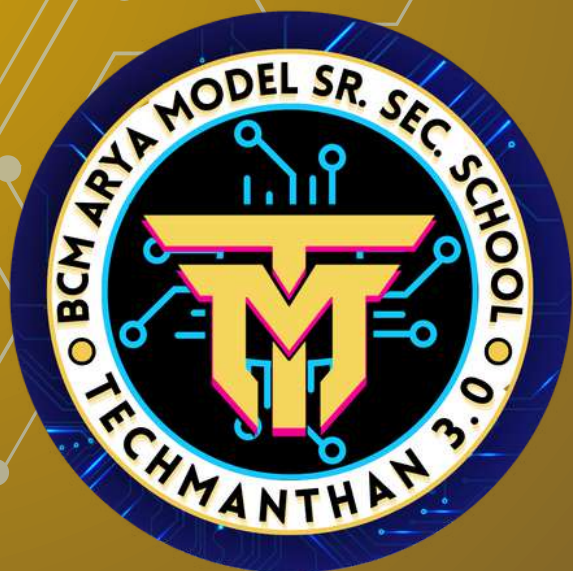
Q/A ROUND 20

TOTAL 100

FOR QUERIES-
CONTACT EVENT COORDINATOR
Ms. Ambica Soni (9988295515)

(only One Teacher Incharge will join the above group)





TECHMANTHAN 3.0

IDEA IGNITE D2

EVENT DETAILS:

PARTICIPANTS: 2

CATEGORY: D

MODE:

HYBRID (OFFLINE/ONLINE)

THEME: Tech for Tomorrow: Innovating for a Sustainable Future

DESCRIPTION: Building a prototype to address a real-world problem through an innovative solution aligned with an SDG.

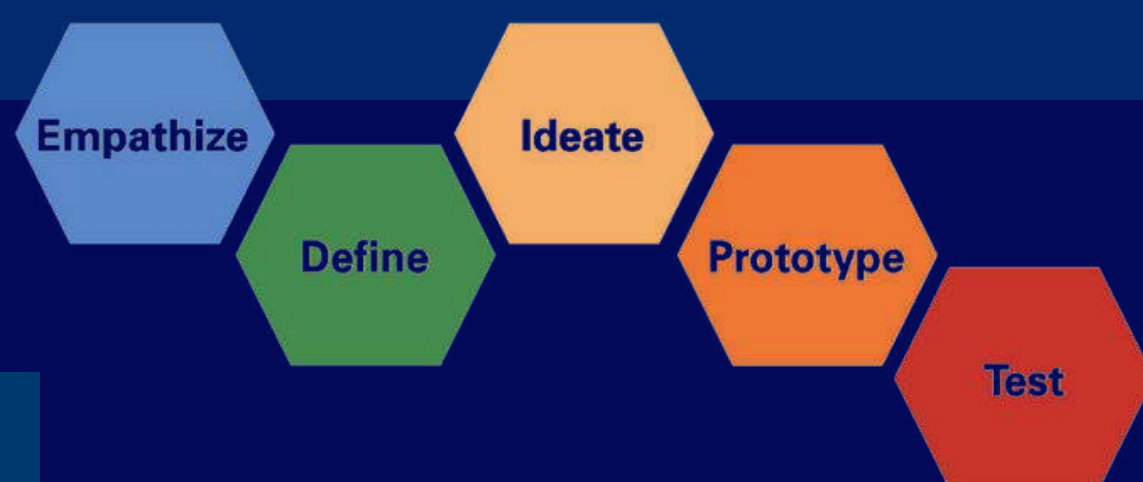


RULES AND REGULATIONS:

- Participants will pitch their pre-built tech-based, functional physical prototype based on any of the chosen SD Goal.
- Participants must upload a behind-the-scenes (BTS) video of their prototype development and R&D process as an unlisted YouTube link, using the provided login credentials, **a day prior to the event.**

PRESENTATION GUIDELINES:

- Each team will pitch their physical prototype. For offline participation, teams must bring their prototype to the event venue.
- Teams will explain their Research & Development journey through the Design Thinking process using a PowerPoint presentation.
- The presentation will be followed by a Question & Answer round.
- **Time Limit: 3-4 minutes**



JUDGEMENT CRITERIA:

INNOVATION AND CREATIVITY

5

FEASIBILITY AND IMPACT

10

DESIGN THINKING PROCESS

10

PROTOTYPE AND FUNCTIONALITY

15

PITCH AND Q/A

10

TOTAL

50

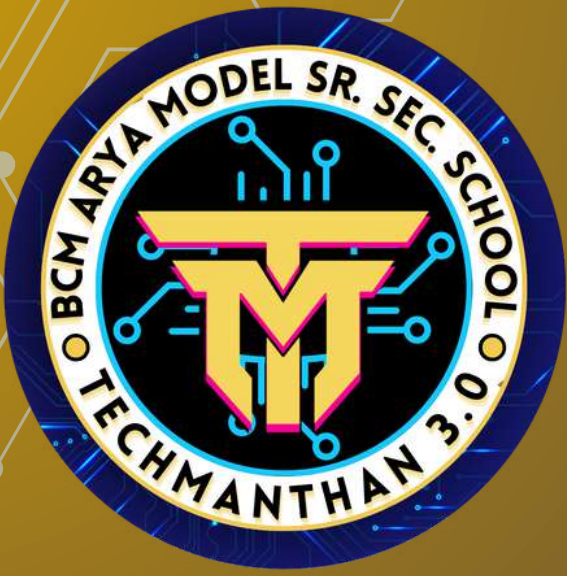


FOR QUERIES-

CONTACT EVENT COORDINATOR

Mrs. Gagandeep Shukla (9872860084)

(only One Teacher Incharge will join the above group)



TECHMANTHAN 3.0

SKY RIDERS

D3

EVENT DETAILS:

CATEGORY: D

PARTICIPANT: 1

MODE: OFFLINE

DESCRIPTION: A thrilling drone challenge where pilots navigate through an obstacle course filled with hurdles, testing their precision, control and drone maneuvering skills.

RULES AND REGULATIONS:

- **Drone Specifications:** Drones must not exceed 25 cm in length, width or height.
- **Obstacle Course:** The course includes designated starting and landing points, with challenges such as tunnels, cones, gates and other obstacles.
- **Safety:** All drones must have safety features such as propeller guards. Pilots must operate within marked arena boundaries and a safety personnel will be present throughout the event.

POINT SYSTEM:

- Successfully completing the course earns **50 points**.
- The **top 3 fastest** will receive the additional points:
 - 1st place: 20 points**
 - 2nd place: 15 points**
 - 3rd place: 10 points**



FOR QUERIES-

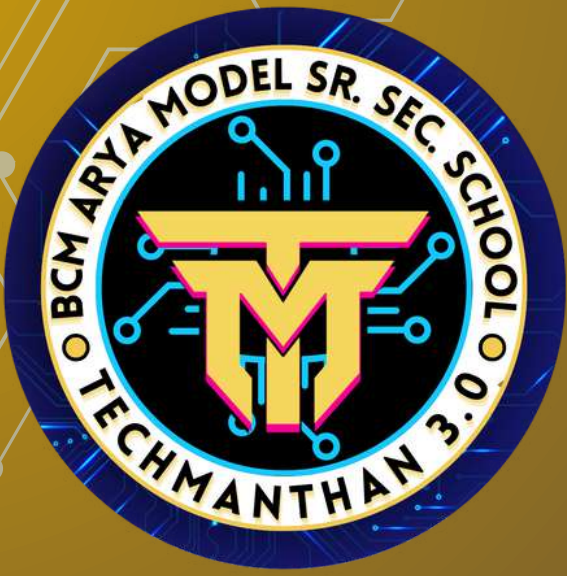
CONTACT EVENT COORDINATOR

Ms. Anila Singhal (9872500287)

(only One Teacher Incharge will join the above group)



WhatsApp Group Invite (Category D)



TECHMANTHAN 3.0

ROBO CRAWL-A-THON D4

EVENT DETAILS:

CATEGORY: D

PARTICIPANTS: 2

MODE: OFFLINE

DESCRIPTION: A pre-designed robot to crawl along a 10-feet long rope



RULES AND REGULATIONS:

- Participants are free to use any robotic kit, components or self-fabricated parts to construct their robot.
- The robot must independently crawl along the rope without any external support or manual intervention.
- The **PVC-coated metal rope** will be approximately **10 feet in length** and suspended at a **height of 5 feet** from the ground.
- The robot's design and operation should not pose a risk to spectators.

COMPETITION FORMAT:

- **Practice Round:** Teams will be given a single trial run to test their robot on the rope. This round is purely for familiarization and will not be evaluated.
- **Challenge Round:** Robots must crawl smoothly across the rope to qualify.

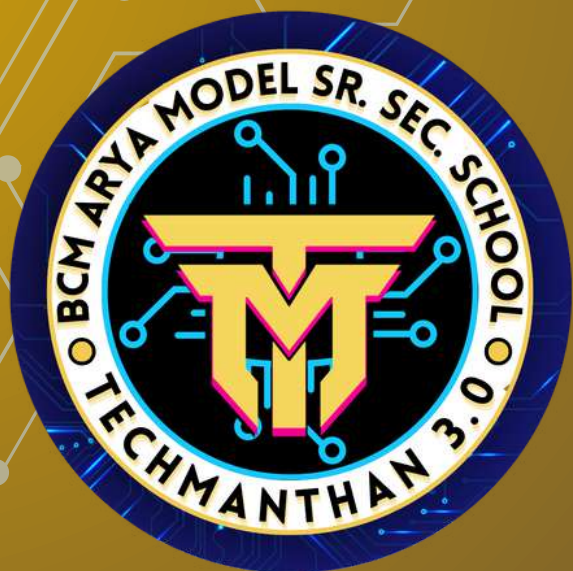
POINT SYSTEM:

- **Speed 40 points:** Points will be awarded based on the time taken by the robot to crawl across the rope.
- **Stability 30 points:** Evaluates the robot's ability to maintain balance while moving on the rope.
- **Design Innovation 30 points:** Assesses creativity, originality and functionality in the robot's design.



FOR QUERIES-
CONTACT EVENT COORDINATOR
Mr. Varun Anand (9814814949)

(only One Teacher Incharge will join the above group)



TECHMANTHAN 3.0

STOP MOTION D5

EVENT DETAILS:

CATEGORY: D

PARTICIPANTS: 3

MODE: OFFLINE

PLATFORM: ANY VIDEO EDITING SOFTWARE

THEME: The theme will be announced a day prior.

DESCRIPTION: Create a stop-motion video by using a series of still images to bring a story or concept to life through smooth, frame-by-frame motion.



RULES AND REGULATIONS:

- Participants must create a stop-motion video by using any media (e.g. clay animation, paper cut-outs, hand-drawn frames, object movement) depicting the theme.
- Video must be smooth and coherent in frame progression.
- Audio must be clear and appropriate.
- Participants must bring their own equipment required for creating the story content or editing the video. Avoid the use of copyright material.
- **TIME LIMIT: 2 Hours**
- **Duration of the video: 30 – 60 seconds**
- **Acceptable file type: MP4**



JUDGEMENT CRITERIA:

CREATIVITY & ORIGINALITY **10**

RELEVANCE TO THE THEME **10**

VISUAL APPEAL **10**

VIDEO EDITING TECHNIQUE **20**

TOTAL 50

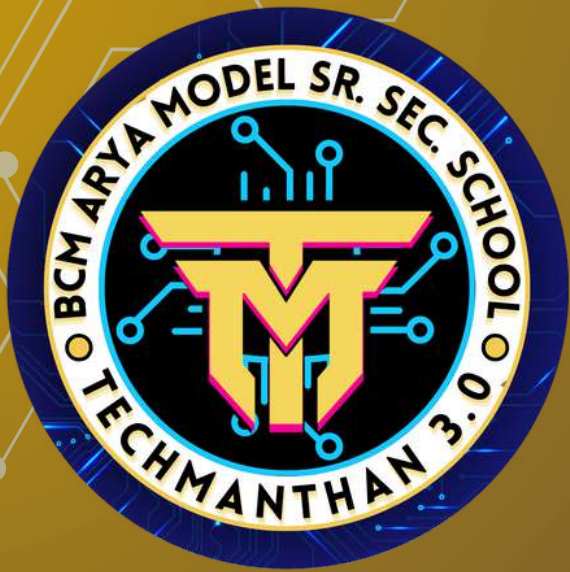


FOR QUERIES-

CONTACT EVENT COORDINATOR

Ms. Sandeep Kaur (8196023170)

(only One Teacher Incharge will join the above group)



TECHMANTHAN 3.0

PHOTO FUSION

D6

EVENT DETAILS:

PARTICIPANT: 1
CATEGORY: D

MODE: OFFLINE
PLATFORM: ADOBE PHOTOSHOP

THEME: Pixel Play

DESCRIPTION: Creatively transforming simple images into a unique and visually striking composition.

RULES AND REGULATIONS:

- A set of photographs for the composition will be provided *on the spot*.
- Only the given images must be used for the final output.
- At least three images must be manipulated in the final design.
- The final image must be saved in PNG format and include a creative caption.
- **TIME LIMIT: 1 HOUR**

Adobe
Photoshop



JUDGEMENT CRITERIA:

CREATIVITY

10

CAPTION RELEVANCE

10

VISUAL APPEAL

10

TECHNICAL EDITING

20

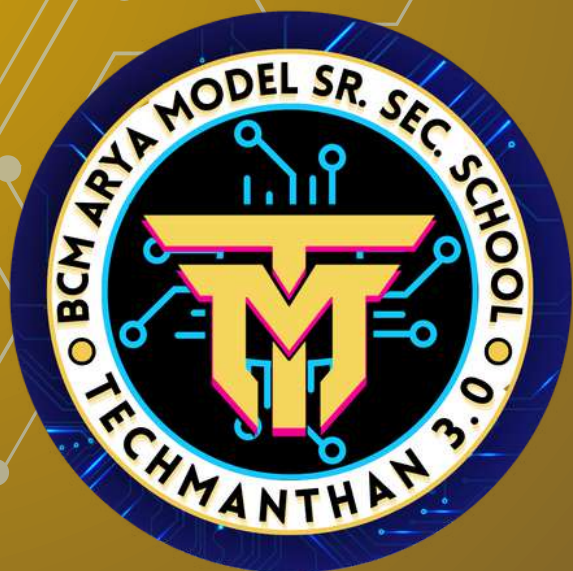
TOTAL

50



FOR QUERIES-
CONTACT EVENT COORDINATOR
Ms. Gaganpreet Kaur (9914064488)

(only One Teacher Incharge will join the above group)



TECHMANTHAN 3.0

AD PRECISION

D7

EVENT DETAILS:

CATEGORY: D

MODE: ONLINE

PARTICIPANT: 2

PLATFORM: ADOBE PREMIERE PRO/ FILMORA

THEME: Reimagine the Everyday

DESCRIPTION: Transform ordinary products into powerful advertisement with fresh, creative brand stories.



RULES AND REGULATIONS:

- The product name will be disclosed two days prior to the competition via the official WhatsApp group.
- Participants must record their ad shots/images beforehand.
- Only raw, uncut and unedited ad shots/images related to the assigned product category can be placed on the timeline during the event for final editing.
- Ten editing elements (e.g., text, music, graphics, etc.) will be provided on the spot, out of which any five can be used in the final ad. Avoid the use of copyright material.
- **Time Limit for Editing: 1 hour**
- **Ad Duration: 30 seconds**

SUBMISSION GUIDELINES:

- The final creation must be uploaded within 10-minute window as an unlisted **YouTube link** through the allotted login credentials.

JUDGEMENT CRITERIA:

CREATIVITY

10

VISUAL APPEAL

10

EFFECTIVE USE OF ELEMENTS

10

TECHNICAL EDITING SKILL

20

TOTAL

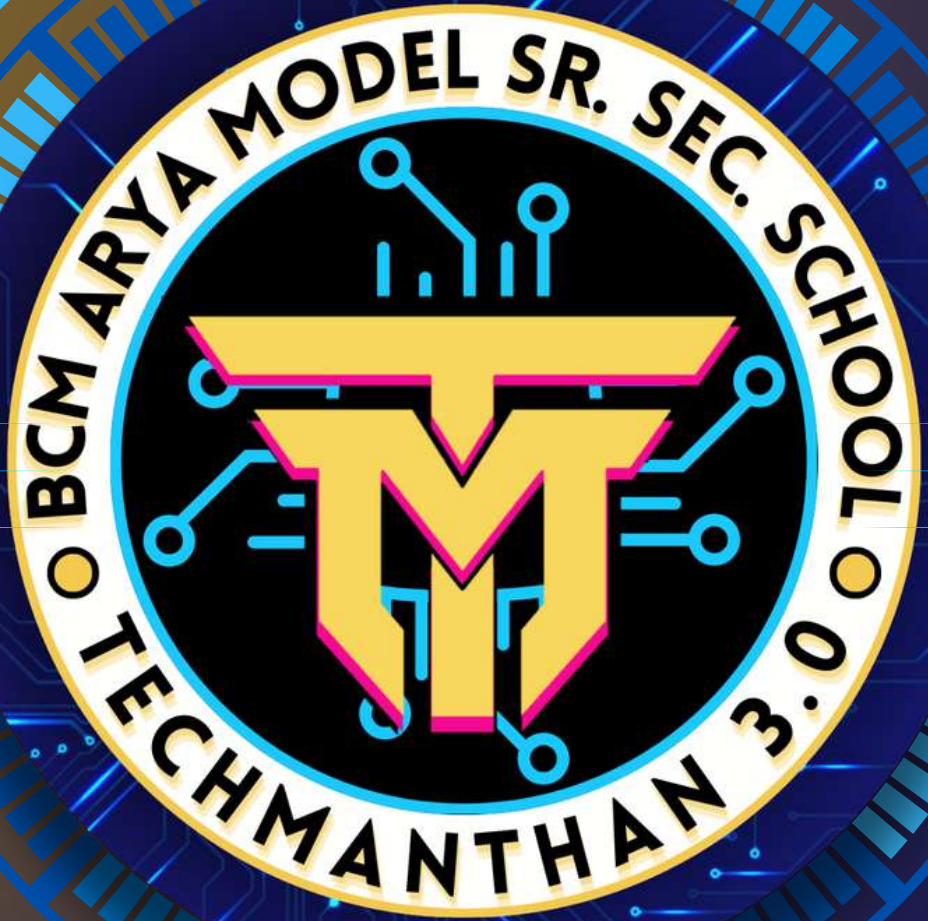
50



WhatsApp Group Invite (Category D)

FOR QUERIES-
CONTACT EVENT COORDINATOR
Ms. Sandeep Kaur (8196023170)

(only One Teacher Incharge will join the above group)



Reboot...
Rethink...
Revolutionize...



BCM ARYA MODEL SR. SEC. SCHOOL

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