

# **KOSMORENA '25** **BROCHURE**



**Kosmorena'25**  
EXPLORING COSMOS AND BEYOND

Where the universe of ideas unfolds

## About Kumaraguru SEDS

Kumaraguru SEDS is a dynamic student-run chapter of SEDS-India, part of the global initiative, Students for the Exploration and Development of Space. We empower young minds through rigorous space education and impactful projects, including sounding rockets, CubeSats, and asteroid searches. Our engaging workshops and school/college outreach programs complement our achievements in discovering asteroids and winning competitions, establishing our reputation nationally and internationally.

# INTRODUCTION

Welcome to Kosmorena 2025!

We are excited to have you at our annual space festival! Each year is especially remarkable as it coincides with International Space Week. Over the next three days, get ready to experience a journey filled with curiosity, creativity, and innovation. With project expos, ideathons, inspiring talks, and creative challenges, Kosmorena 2025 will ignite your imagination and encourage you to dream beyond the stars.

All the essential details about the festival are right here.

So, what are you waiting for?  
Let's reach for the stars together!

– Kosmorena Core Team 2025

# DAY 1

## OCTOBER 06, 2025

Events	Time
Inauguration	9.00 – 10.15am
Conclave	10.30 – 12.00pm
Cosmos of Ideas	10.30 – 12.00pm
Block and Tackle	10.30 – 12.00pm
Lunch	12.00 – 1.00pm
Astro Survival	1.00 – 2.30pm
Planetopia	1.00 – 2.30pm

# DAY 2

## OCTOBER 07, 2025

### IDEATHON

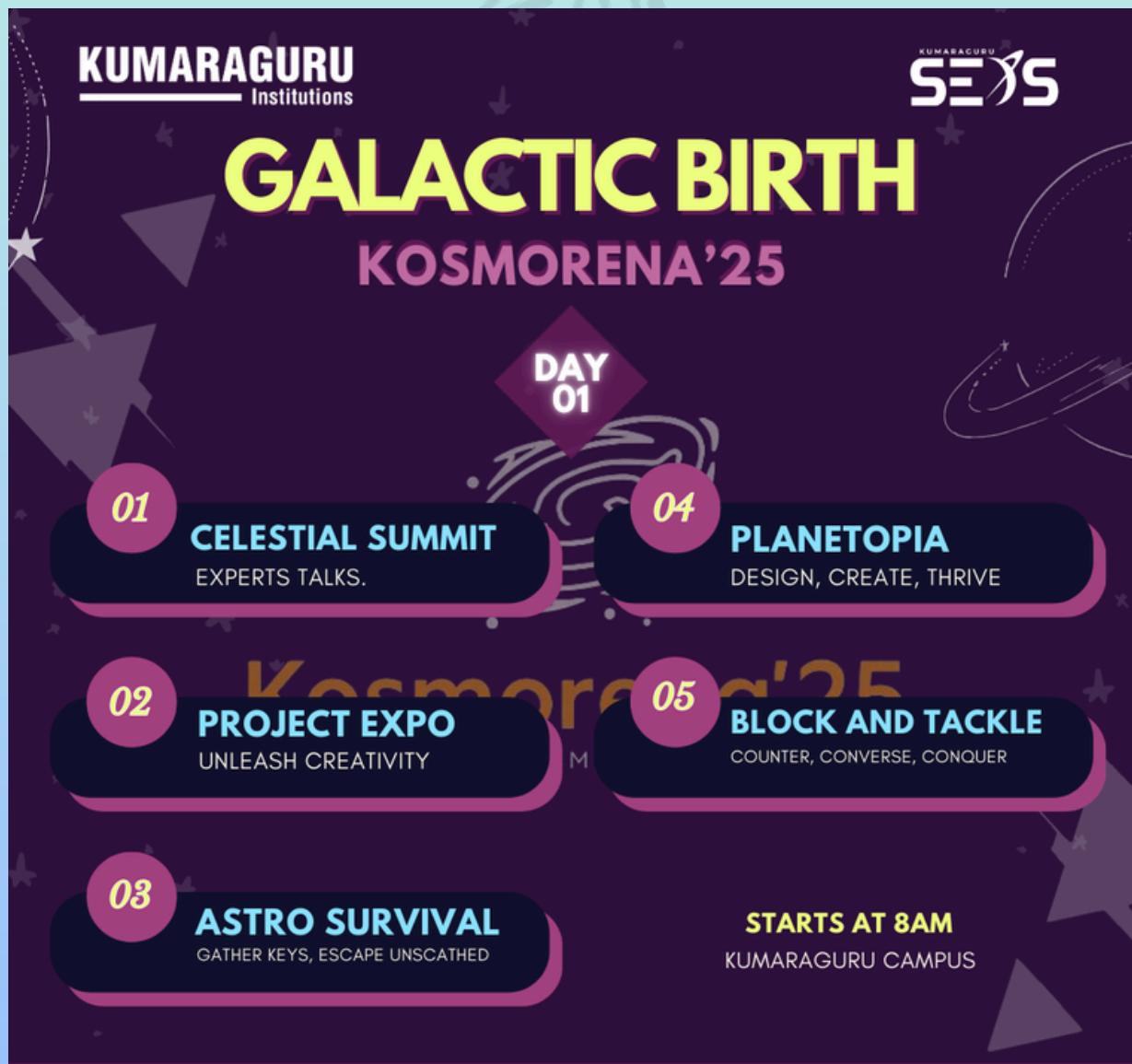
Events	Time
Introduction and Topic reveal	9.00 - 9.45am
Preparation	9.45 - 11.00am
Break	11.00 - 11.15am
Preparation	11.15 - 1.00pm
Lunch	1.00 - 2.00pm
review	2.00 - 3.30pm
Result Announcement	3.30 - 3.50pm

# DAY 3

## OCTOBER 08, 2025

Events	Time
workshop	9.00 - 10.15am
Session Talk	10.30 - 12.00pm

# EVENT HIGHLIGHTS



The banner features a dark purple background with a space-themed graphic of stars, planets, and a comet-like trail. At the top left is the Kumaraguru Institutions logo, and at the top right is the SEDS logo. The title "GALACTIC BIRTH KOSMORENA'25" is prominently displayed in the center. Below the title, "DAY 01" is indicated. The event highlights are listed in five circular boxes:

- 01 CELESTIAL SUMMIT**  
EXPERTS TALKS.
- 02 PROJECT EXPO**  
UNLEASH CREATIVITY
- 03 ASTRO SURVIVAL**  
GATHER KEYS, ESCAPE UNSCATCHED
- 04 PLANETOPIA**  
DESIGN, CREATE, THRIVE
- 05 BLOCK AND TACKLE**  
COUNTER, CONVERSE, CONQUER

At the bottom, it says "STARTS AT 8AM" and "KUMARAGURU CAMPUS". Social media links for Instagram (@seds\_kumaraguru) and LinkedIn (Kumaraguru SEDS) are at the bottom left, and an email link (seds@kct.ac.in) is at the bottom right.

## COSMOS OF IDEAS



Explore the Space Week Cosmos of Ideas, where school students show their working models and projects about space, science, and technology. See hands-on ideas, learn from others, and enjoy curiosity, imagination, and new discoveries about the universe.

⌚ 10.30 am to 12.00 pm

📅 6th October, 2025

📍 Kumaraguru Campus

📞 +91 73059 73235

**Eligibility:** Open for students from grade 6 -12.

**Team Size:** 2 to 4 members

**Registration link:** [https://docs.google.com/forms/d/e/1FAIpQLSf-KvfHx-P-6IN1r-tyGF8kZsk\\_2LeozCxUm82nEK7msb68OQ/viewform](https://docs.google.com/forms/d/e/1FAIpQLSf-KvfHx-P-6IN1r-tyGF8kZsk_2LeozCxUm82nEK7msb68OQ/viewform)

# **COSMOS OF IDEAS**

## **Themes**

- Earth's Core
- Formation of a star
- Death of a star
- Big Bang
- Satellites
- Rovers
- Your own topics related to space

## **Rules and Regulations**

1. The expo is open to all students.
2. Participation can be individual or in a team of upto 3 members.
3. Usage of Thermocol is strictly prohibited.

### **CONSTRAINTS**

1. Space models (like solar system balls, orbit diagrams, etc.) are not allowed.
2. Rocket models (static or decorative) are not permitted.
3. Overly simple telescope models will not be accepted.
4. Purely decorative or craft-based models are not allowed – projects must be interactive, functional, or research-based.

**BLOCK AND TACKLE**

Block and tackle is a fun debate event where the participants (teams of 2) are given a topic on the spot and must argue for (block) and against (tackle) the topic as per the judges command. The participants will be given 5 minutes for discussion after the topic has been given to them. Both the members of the team must speak equal number of points for both in favour of and against the topic. Participants are allowed to speak in English only. The judgement will be based on the team's fluency, spontaneity, and concept depth.

## BLOCK AND TACKLE

- ⌚ 10.30 am to 12.00 pm
- 📅 6th October, 2025
- 📍 venue
- 📞 +91 96008 33650

**Eligibility:** Open for students from grade 9-12.

**Team Size:** 2 members

**Registration link:** [https://docs.google.com/forms/d/e/1FAIpQLSf-KvfHx-P-6IN1r-tyGF8kZsk\\_2LeozCxUm82nEK7msb68OQ/viewform](https://docs.google.com/forms/d/e/1FAIpQLSf-KvfHx-P-6IN1r-tyGF8kZsk_2LeozCxUm82nEK7msb68OQ/viewform)

### Rules and Regulations :

1. Open for students from grade 9-12.
2. Participants will speak in favour of the topic when the judge says “block” and will speak against when “tackle” is said.
3. A strict time constraint will be followed: 5 mins for preparation, 5 mins for performing.
4. Both the members of the team must speak equal points for both in favour of and against the topic.
5. Participants must only use English.

## **BLOCK AND TACKLE**

### **Themes :**

1. Asteroid mining is needed for resources vs. It's risky
2. Mars colonisation is needed
3. Robots vs. Astronauts for exploration
4. Large budget should be given for space exploration.
5. We should contact aliens even if it is risky.
6. We should escape earth instead of saving the earth.
7. We need space weapons to protect earth from space disasters.
8. Space tourism should only be allowed for rich people vs. it should be open for everyone.
9. Rocket launches should be limited due to pollution.
10. We should observe the whole sky instead of focusing on only one target.
11. We should have a single union for space research instead of separate organisations (ISRO, NASA, etc.)
12. Garbage from earth should be released into outer space.

# PLANETOPIA



Planetopia is a event in which participants (team of 2) will create their own planet model and its life form using the materials given with their imagination. Models needn't be scientifically accurate. The teams will be given 1 hour for creating their model . Each team should present their model with clear explanation to the jury members. The judgement will be based on their creativity, presentation of model and team's explanation on their models to the jury members . There will be two categories  
1<sup>st</sup> category – class 6<sup>th</sup> to class 8<sup>th</sup>  
2<sup>nd</sup> category – class 9<sup>th</sup> to class 12<sup>th</sup>

## PLANETOPIA

- ⌚ 01.00 pm to 02.30 pm
- 📅 6th October, 2025
- 📍 venue
- 📞 +91 93457 81132

**Eligibility:**

Open for students from grade  
1. Class 6 - 8  
2. Class 9 - 12

**Team Size:** 2 members

**Registration link:** [https://docs.google.com/forms/d/e/1FAIpQLSf-KvfHx-P-6IN1r-tyGF8kZsk\\_2LeozCxUm82nEK7msb68OQ/viewform](https://docs.google.com/forms/d/e/1FAIpQLSf-KvfHx-P-6IN1r-tyGF8kZsk_2LeozCxUm82nEK7msb68OQ/viewform)

**Rules:**

1. Each team should have 2 members
2. Cardboard, colour papers and Clay will be provided to students
3. Students should bring their own art supplies such as paints, sketches, crayons, scissors, fevicol etc.,
4. Students should create 2d planet model with three layers (crust, core & mantle) using cardboard and lifeform using clay
5. Students should present their models with
  - Appropriate planet name
  - Composition of layers of planet
  - Type of planet (solid or gaseous planet)
  - Atmosphere and climatic conditions
  - Terrain and surface features
  - Any life form with appropriate name

To the jury members

## ASTRO SURVIVAL



A fun, space-themed survival game where teams of two astronauts protect their O<sub>2</sub> balloons while collecting keys (fuel & antenna) to save their rocket. Volunteers act as alien attackers, trying to pop the balloons. Teams must use teamwork and strategy to survive and win!

- ⌚ 01.00 pm to 02.30 pm
- 📅 6th October, 2025
- 📍 venue
- 📞 +91 93448 90940

**Eligibility:** Open for students from grade 6-12.

**Team Size:** 2 members

**Registration link:** [https://docs.google.com/forms/d/e/1FAIpQLSf-KvfHx-P-6INlr-tyGF8kZsk\\_2LeozCxUm82nEK7msb68OQ/viewform](https://docs.google.com/forms/d/e/1FAIpQLSf-KvfHx-P-6INlr-tyGF8kZsk_2LeozCxUm82nEK7msb68OQ/viewform)

## ASTRO SURVIVAL

### Gameplay

Survivors (Astronauts) must collect both the Fuel and Antenna keys from the alien base and safely return to their home base.

#### Teams:

- Each team consists of 2 astronauts (a duo).
- Every astronaut is equipped with 2 balloons (representing O<sub>2</sub> cylinders tied to their wrist/waist).

#### Rules:

- Collecting Keys: Survivors must retrieve both keys (Fuel & Antenna) from designated spots on the alien base.
- Returning Safely: To score, survivors must return to their base with both keys and at least one balloon intact.
- Balloon Safety: Balloons represent oxygen cylinders. If all balloons are popped, the astronaut is eliminated.
- Attackers: Volunteers act as attackers, attempting to pop the survivors' balloons to sabotage their mission.
- Victory Condition: The team wins if they return to base with the keys and at least one balloon.

#### Live Instructions:

- Additional rules and details will be explained during the live event.

### Scoring

- Each key collected (fuel or antenna): 5 points
- Each pair of balloons surviving at the end: 5 point

# INSTITUTIONAL EVENTS

## IDEATHON

The banner features a dark purple background with a starry space theme. At the top left is the KUMARAGURU Institutions logo. At the top right is the SEDS logo. The center features the text "GALACTIC PULSE" in large yellow letters, followed by "KOSMORENA'25" in white. A diamond-shaped badge in the center says "DAY 02". Below it, a speech bubble contains "IDEATHON" and "COLLABORATE, CREATE, CLAIM REWARDS". The bottom section has the text "STARTS AT 8AM" and "KUMARAGURU CAMPUS". Social media icons for Instagram and LinkedIn are at the bottom left, and an email icon is at the bottom right.

**KUMARAGURU**  
Institutions

**GALACTIC PULSE**

KOSMORENA'25

DAY 02

**IDEATHON**

COLLABORATE, CREATE, CLAIM REWARDS

**KOSMORENA'25**

EXPLORING COSMOS AND BEYOND

STARTS AT 8AM

KUMARAGURU CAMPUS

seds\_kumaraguru

Kumaraguru SEDS

seds@kct.ac.in

## IDEATHON



The poster features the logos of Kumaraguru Institutions and SEDS. It includes the text "KOSMORENA' 25 EXPLORING COSMOS AND BEYOND", "IDEATHON", and "Team up, innovate for space solutions, and win exciting prizes!". It also lists the date (Oct 07, 2025), location (Amuse Lab, MGCL Kumaraguru Campus), contact number (63806 36621), and a cash award pool of ₹8.5k per team. Social media links for Instagram (@seds\_kumaraguru) and LinkedIn (Kumaraguru SEDS) are at the bottom.

Join top minds for an exciting ideathon to shape the future of space exploration! Team up to create innovative solutions for real-world challenges and compete for thrilling prizes. Let's transform the cosmos together!

## IDEATHON

- ⌚ 09.30 am to 04.30pm
- 📅 7th October, 2025
- 📍 Amuse Lab, MGCL
- 📞 +91 63806 36621

**Eligibility:** College students (All branches)

**Team Size:** 4 members

**Registration fees:** Rs. 200 per team

**Cash Prize:** Rs. 8.5K

**IDEATHON****RULES AND REGULATIONS :**

1. Team Size: Each team may consist of 3 or 4 members. Interdisciplinary collaboration is strongly encouraged, and teams comprising members from different departments will be highly appreciated.
2. Presentation: Teams are required to deliver a 10-minute pitch comprising a 7-minute presentation followed by a 3-minute Q&A session with the judging panel.
3. Lunch and Refreshments: Refreshments will be provided to all participants. However, participants are requested to bring their own lunch or avail themselves of the campus canteen facilities.
4. Code of Conduct: All participants are expected to strictly adhere to the official event code of conduct. Any form of misconduct will result in immediate disqualification.
5. Judging Decision: The decision of the judging panel will be considered final and binding on all participants.

# MISCELLANEOUS EVENTS

**1. WORKSHOP**

**2. SESSION TALKS**



The poster is for the "FINAL CONSTELLATION KOSMORENA'25" event. It features a dark purple background with a starry space theme. At the top left is the "KUMARAGURU Institutions" logo, and at the top right is the "SEDS" logo. The main title "FINAL CONSTELLATION" is in large yellow letters, with "KOSMORENA'25" in pink below it. A central graphic shows a stylized ear with "DAY 03" written on it. Below this, two circular callouts are shown: one for "WORKSHOP UNLEASH CREATIVITY" and another for "TALK SESSION EXPERTS TALKS.". The text "Kosmorena'25" is prominently displayed in gold. At the bottom, it says "STARTS AT 8AM" and "KUMARAGURU CAMPUS". Social media links for Instagram (@seds\_kumaraguru), LinkedIn (Kumaraguru SEDS), and email (seds@kct.ac.in) are at the bottom.

**KUMARAGURU**  
Institutions

**SEDS**

# FINAL CONSTELLATION

KOSMORENA'25

DAY 03

01 WORKSHOP  
UNLEASH CREATIVITY

02 TALK SESSION  
EXPERTS TALKS.

**Kosmorena'25**

STARTS AT 8AM  
KUMARAGURU CAMPUS

 seds\_kumaraguru

 Kumaraguru SEDS

 seds@kct.ac.in

## ANY QUERIES?

For prompt assistance and streamlined resolution, we encourage you to mail us at [seds@kct.ac.in](mailto:seds@kct.ac.in), this allows us to address your concerns efficiently. If an quicker/emergency response is required, you may contact the following numbers. Your cooperation helps us provide the best possible support. Thank you for attending Kosmorena'25.

## Contacts:

Aadrika - 8610590583

Anuchand - 9080311976

Deepakumar - 8248144652

Prasanna - 6381441669

Sri Krishnan - 7695904434

## SOCIAL MEDIA HANDLES





## **Kosmorena'25**

EXPLORING COSMOS AND BEYOND



Participants are responsible for their personal belongings; Kumaraguru SEDS and Kumaraguru Institutions assume no liability for any loss.

Kumaraguru Institutions is committed to being a zero-waste zone. We kindly ask for your cooperation in maintaining a clean campus by utilizing the nearest waste bins.

The possession and use of drugs, alcohol, and tobacco are strictly prohibited within the institute. Violations will be met with severe consequences.

For any inquiries, please contact us at: [seds@kct.ac.in](mailto:seds@kct.ac.in).

