



SCIENCE & TECHNICAL COMMITTEE
presents

PRE-TECH NOVA

HACKATHON

UNLEASH YOUR INNER
INNOVATOR

SCIENCE & TECHNICAL COMMITTEE

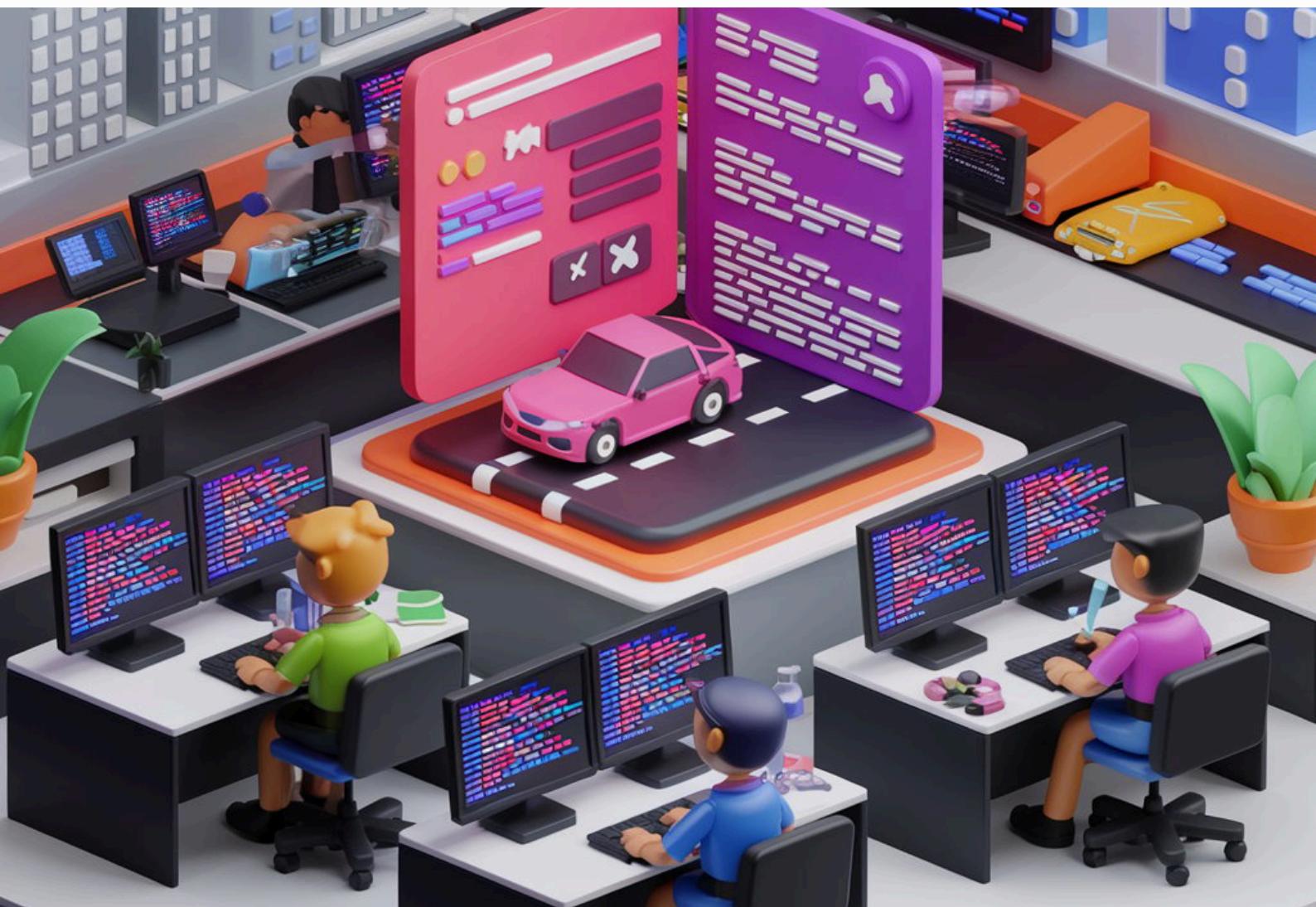


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ABOUT THE HACKATHON

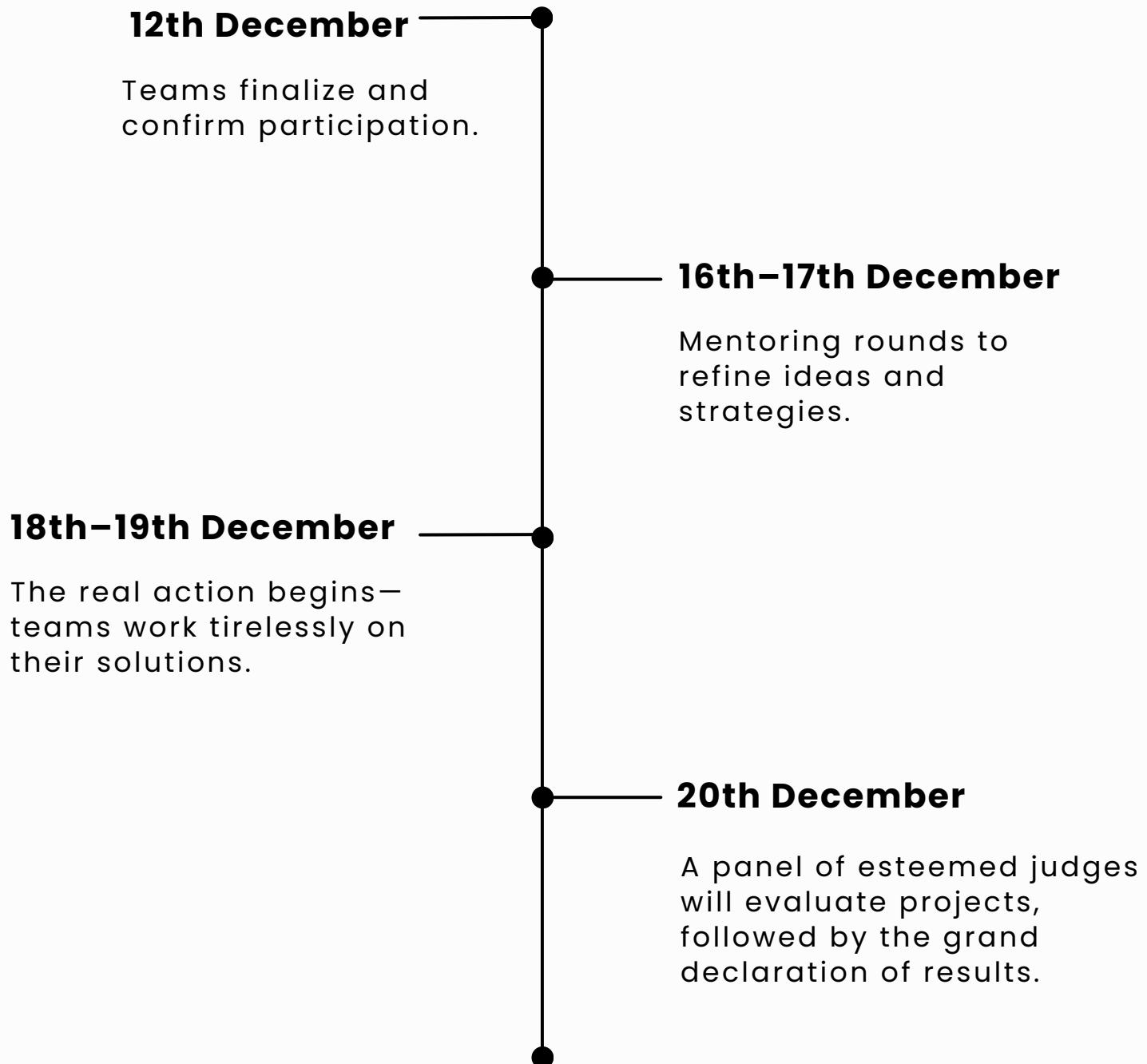
DEAR STUDENTS,

The **TechNova-hackathon** is a 5-day innovation challenge exclusively for the clubs under the Science and Technical Committee. This event is designed to inspire creativity, foster collaboration, and test technical expertise as participants tackle real-world challenges in the field of transportation systems. With a focus on sustainability, intelligence, and eco-friendliness, the hackathon encourages participants to develop innovative solutions that could shape the future of transportation. Participants will work on projects addressing critical topics such as artificial intelligence, big data applications, carbon-neutral systems, and renewable energy solutions, with mentoring sessions to guide and enhance their ideas. An esteemed panel of judges will evaluate the projects, and winning teams will have the opportunity to receive funding to further develop their solutions. This is an incredible platform to collaborate, innovate, and make a meaningful impact in redefining transportation.

Sincerely,
SCIENCE & TECHNICAL COMMITTEE

TIMELINE

Have a look below for any key dates and information regarding the hackathon.



TEAM GUIDELINES

A guide on how to make team.

Kindly ensure that the registration form is filled out accurately with all the necessary details for each participant and mentor details.

1 Number of Members

Minimum 3 Members in a team, including **1 girl**.
Your team can consist of Maximum 5.

2 Team Formation

Each S&T club is required to form at least one team (3–5 members, including at least one girl) for the hackathon. If required, members can reach out to other clubs for support in forming well-rounded teams, but please inform the S&T Committee beforehand.

3 Faculty Member Guidance

Your club's faculty coordinator will be team's mentor.

4 Domain Selection

Each team should select one domain and they are free to select any topic in the domain.

HACKATHON RULES:

TYPES OF PROBLEMS:

The hackathon will focus on various critical areas within the **transportation sector**. Topics include developing AI-based solutions for traffic management and vehicle safety, leveraging big data to optimize transportation systems, and creating carbon-neutral solutions for sustainable transport. Participants can explore eco-friendly transportation systems, address the environmental impacts of transport, and investigate the health impacts of transportation systems. Other topics include climate mitigation and adaptation, implementing **IEEE standards**, and innovating in micro-mobility and shared mobility solutions. Teams can also work on integrating renewable energy into transportation, enhancing security in transportation systems, developing smart vehicles, creating sustainable aviation technologies, improving water-based transportation, and boosting transportation efficiency. **One domain can be acquired by 2 teams only, so teams must act quickly to secure their desired focus.**

SUBMISSION AND RESULTS:

The hackathon may have its own submission platform or portal where you'll need to submit your project. This typically involves uploading your project files, documentation, demo video, and any other materials required by the hackathon organizers. It's essential to carefully read the rules and guidelines provided by the hackathon organizers to ensure that you meet all submission requirements and deadlines. Additionally, stay engaged with any communication from the organizers to stay informed about the progress of the event and the submission process. Good luck with your hackathon submission! Once the submission deadline has passed, the judging process begins. Judges will evaluate the projects based on specific criteria, and winners will be announced at the hackathon's closing ceremony or through official communication channels. Panel would be including faculty mentors of interested clubs.

FUNDING:

If your idea stands out and demonstrates innovation, practicality, and alignment with the goals of the hackathon, there may be opportunities for it to **receive funding**. This could come from various sources such as investors, sponsors, or even through partnerships that recognize the potential impact of your project. The key is showcasing the value and feasibility of your idea to attract such opportunities.

GUIDELINES TO FILL FORM:

To ensure smooth participation in the **TechNova-Hackathon**, please follow these detailed steps while filling out the registration form:

- 1.) Registration Deadline :** The registration form must be filled and submitted by 12th December. Make sure to complete the form within the given timeframe to confirm your participation.
- 2.) WhatsApp Group Creation:** After the registration deadline, a WhatsApp group will be created by 14th December. This group will serve as the primary platform to communicate important information, share the available domains, and facilitate discussions among participants.
- 3.) Domain Allocation:** Domains will be assigned based on the information shared in the WhatsApp group.

Each domain will have a maximum of two projects only, so topics will be assigned on a first-come, first-serve basis. **Once a domain is selected by two teams , it will no longer be available for selection.**
- 4.) Freedom of Choice :** You will be free to select any topic within the given domain according to your team's interest and expertise.
- 5.) Mentoring Round & Feedback :** After the domain and topic selection, teams will engage in a mentoring round to get expert advice, refine their project idea, and strategize. Be ready to discuss your idea with the mentor assigned to your topic.

First Come First Serve : Remember, domains are limited to only two projects per domain. The sooner you submit the form, the higher your chances of getting your preference.

Important Note :

- 1.) Ensure that your mentor is aware of the project details and is ready to engage with your team.
- 2.) Only thoroughly completed forms will be accepted, so please double-check all entries before submitting.

REGISTRATION FORM



FILL THIS FORM BEFORE 12/12/2024

CONTACT US FOR ANY QUERIES:

 **Krish Modi : 6354725343**

 **Khushi Shah : 6354 028 169**