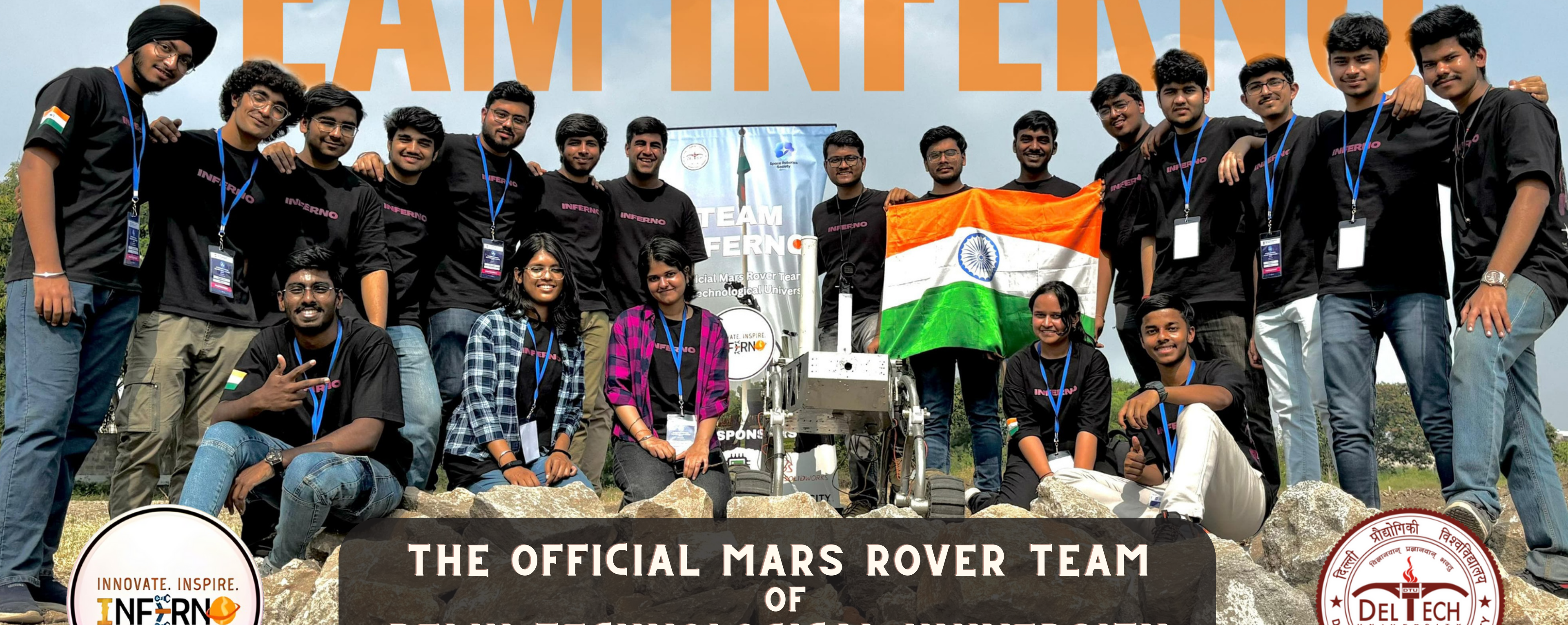


# TEAM INFERNO



THE OFFICIAL MARS ROVER TEAM  
OF  
DELHI TECHNOLOGICAL UNIVERSITY





# ABOUT THE UNIVERSITY

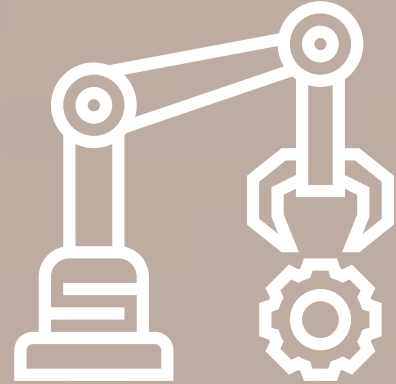
Delhi Technological University, formerly Delhi College of Engineering, is one of the leading engineering institutions in the country. The atmosphere of innovation and culture for scientific exploration at the university greatly supports the numerous technical projects and research.



# INTRODUCTION

Established in 2013, Team Inferno DTU excels in robotics and innovation, earning recognition nationally and globally. Our recent accomplishments include winning Best Project Implementation and 4th place overall in the International Rover Challenge 2024. Our latest creation, NAMBI 2.0, showcases our dedication to advancement. With sponsor backing, we aspire to lead the global rover arena and enhance our team's standing in space innovation and exploration.

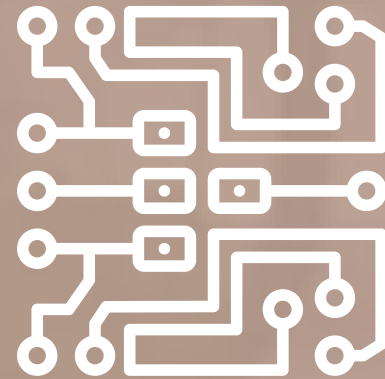
# TEAM DEMOGRAPHICS



**Mechanical**



**Software**



**Electrical**



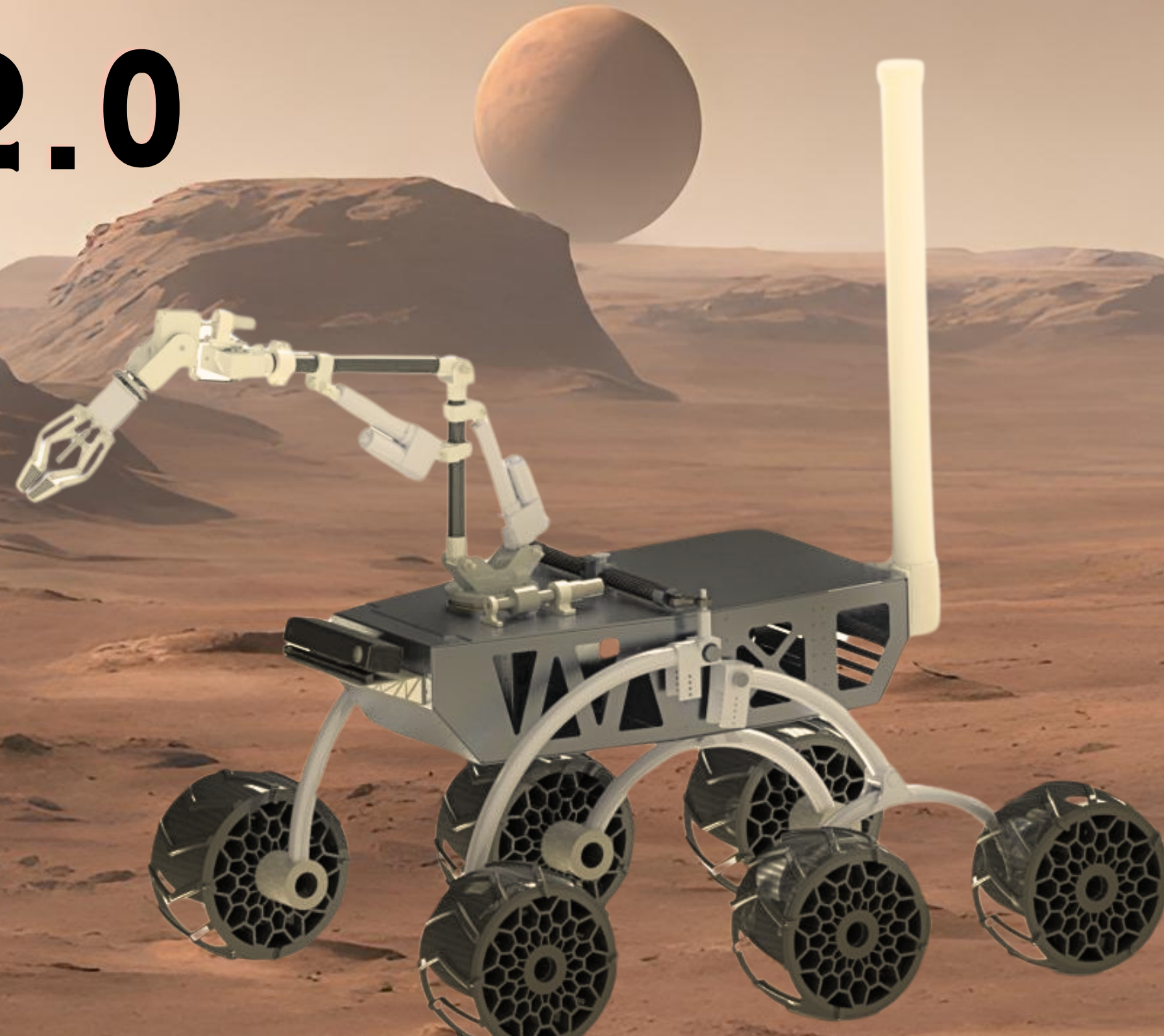
**Science**



**Corporate**



# OUR LATEST ITERATION **NAMBI 2.0**





# TECHNICAL SPECIFICATIONS

Our Mars Rover Prototype with complete wireless control with a range of 1.5 km and a robotic arm featuring 5 Degrees of Freedom.

S. No.	Parameters	Specifications
1	Battery	4 x 8000 mAh
2	Chassis	Decahedron Shape
3	Suspension System	Rocker-Bogie
4	On Board CPU	Nvidia Jetson Nano
5	Robotic Arm	5 DoF
6	Communication	Ubiquiti Rocket M2
7	Antenna	Ubiquiti Omni & Sector
8	Wheels	6 x 3D Printed



# WHY TEAM INFERNO ?

**Our team comprises individuals driven by dedication and passion, exemplified through our core values.**

**Primed in all aspects of corporate lifestyle, including team building activities and technical exposure.**

**Hailing from one of India's premier institutions, our team is part of a dynamic community of over 15,000 students, actively engaged in innovative pursuits.**

**Extensive exposure to national and international robotics communities, fostering valuable networking opportunities.**





# COMPETITIONS



Team Inferno has repeatedly proven its mettle and team spirit by not only qualifying for national and international competitions but also securing respectable positions in each one of them, which gained us the tag as one the best team across India.



# MAJOR EVENTS GLOBALLY





# RECENT ACHIEVEMENTS

TEAM INFERNO DTU

2018



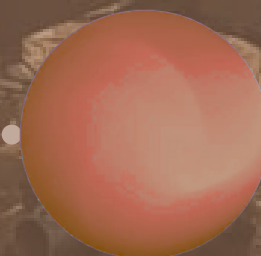
- 1ST POSITION AT THE NATIONAL GO-KART CHAMPIONSHIP.
- 1ST RUNNER UP AT SKID PAD EVENT NATIONAL GO-KART CHAMPIONSHIP.

2019



- 7TH POSITION AT INTERNATIONAL ROVER CHALLENGE.
- 3RD POSITION IN SYSTEM ACCEPTANCE REVIEW AT IRC.

2020



- 6TH POSITION AT INTERNATIONAL MARS HACKATHON.
- 5TH POSITION AT INTERNATIONAL ROVER CHALLENGE.
- 3RD POSITION AT INTERNATIONAL ROVER DESIGN CHALLENGE.

2021



- 6TH POSITION IN INTERNATIONAL PLANETARY AERIAL SYSTEMS.



# RECENT ACHIEVEMENTS

TEAM INFERNO DTU

2022



- 10TH POSITION IN THE INTERNATIONAL ROVER DESIGN CHALLENGE.
- 26TH POSITION IN THE UNIVERSITY ROVER CHALLENGE.

2023



- WINNING THE BEST PROJECT MANAGEMENT AWARD IN IRC 2023.

2024



- WINNING THE BEST PROJECT MANAGEMENT AWARD IN IRC 2024.
- 4TH POSITION OVERALL IN THE INTERNATIONAL ROVER CHALLENGE 2024.



# SPONSORSHIP PACKAGES & DELIVERABLES

Bronze Sponsor	Silver Sponsor	Gold Sponsor
Logo on Team's Official Competition Merchandise	Logo on Team's Official Competition Merchandise	Logo on Team's Official Competition Merchandise
Acknowledgement on all social media platforms	Acknowledgement on all social media platforms	Acknowledgement on all social media platforms
Logo on team flex banner displayed during multiple team activities	Logo on team flex banner displayed during multiple team activities	Logo on team flex banner displayed during multiple team activities
	Logo on Team's Official Competition Vehicle	Logo on Team's Official Competition Vehicle
	Logo on pamphlets and posters during carious workshops or orientation programs held by the team.	Logo on pamphlets and posters during carious workshops or orientation programs held by the team.
	Special mention/ products displayed in all team activities	Special mention/ products displayed in all team activities
		Special mention in business Design presentations

**INR 60,000  
and above**

**INR 20,000 to  
INR 60,000**

**INR 10,000 to  
INR 20,000**



# BENEFITS FOR OUR SPONSORS

Our primary target events, the International Rover Challenge and the University Rover Challenge, is heavily advertised on social platforms globally.

Sponsors receive media recognition at several international technical publications and conferences conducted at our institution, as well as satisfying corporations' CSR obligations.

We organize events and display our vehicle in college fests which gains publicity from college students all around Delhi.

Publicity in such events allows our sponsors to meet with government officials, foreign scholars, and top technology firms.

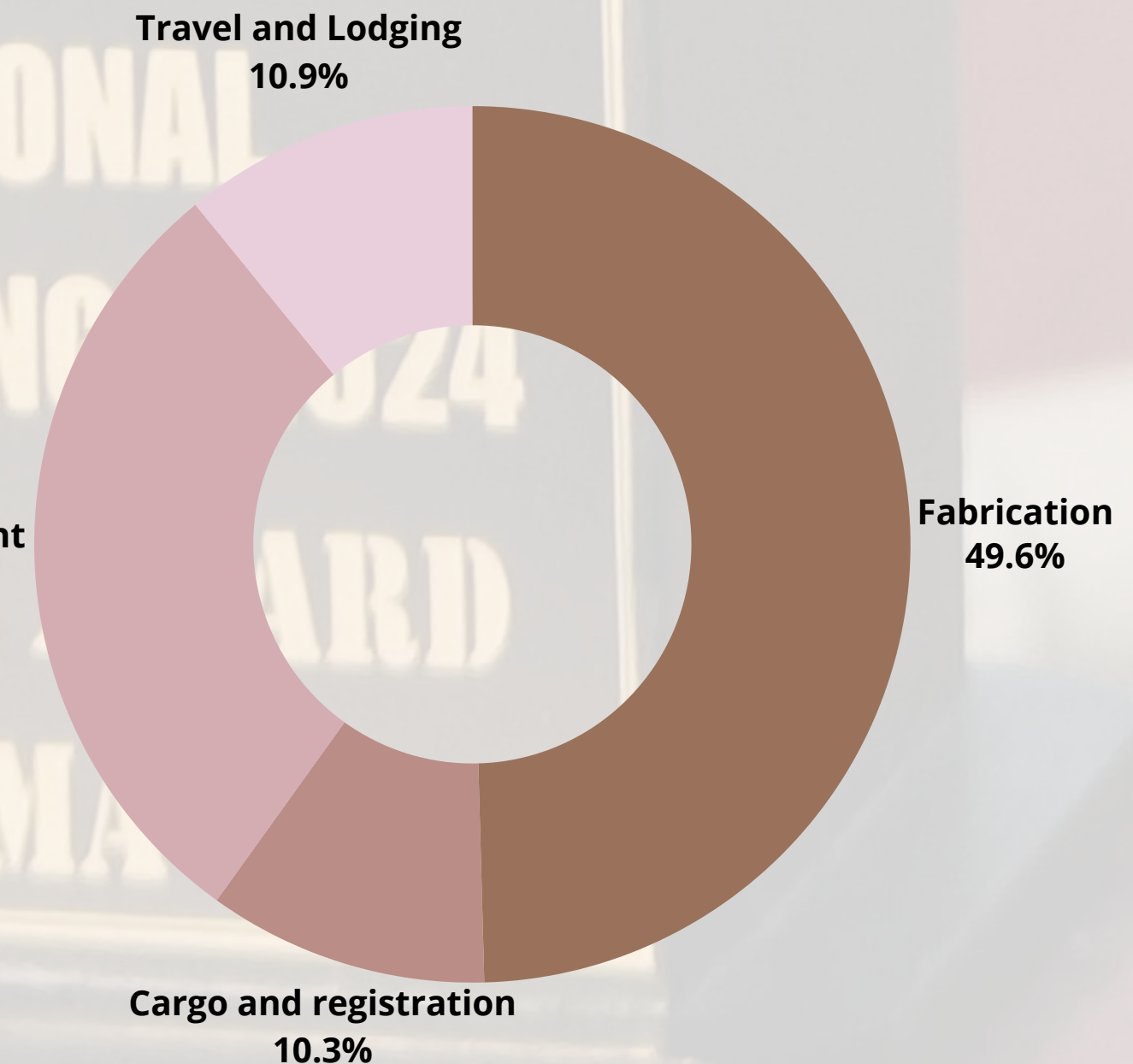


# How Sponsors Help Us ?

Team Inferno has a specific budget, depending on the requirements for a given financial year. Support extending beyond the budget is always appreciated, whether be it monetary assistance or any in-kind material to assist with funds. Your contribution helps us boost our efforts in developing our next-generation Mars Rover prototype and our ability to compete in national and international competitions

You can support us in the following ways:-

- **Monetary**
- **Hardware**
- **Software**
- **Technical assistance**
- **Testing facility**
- **Lodging and Travel**
- **Logistics**



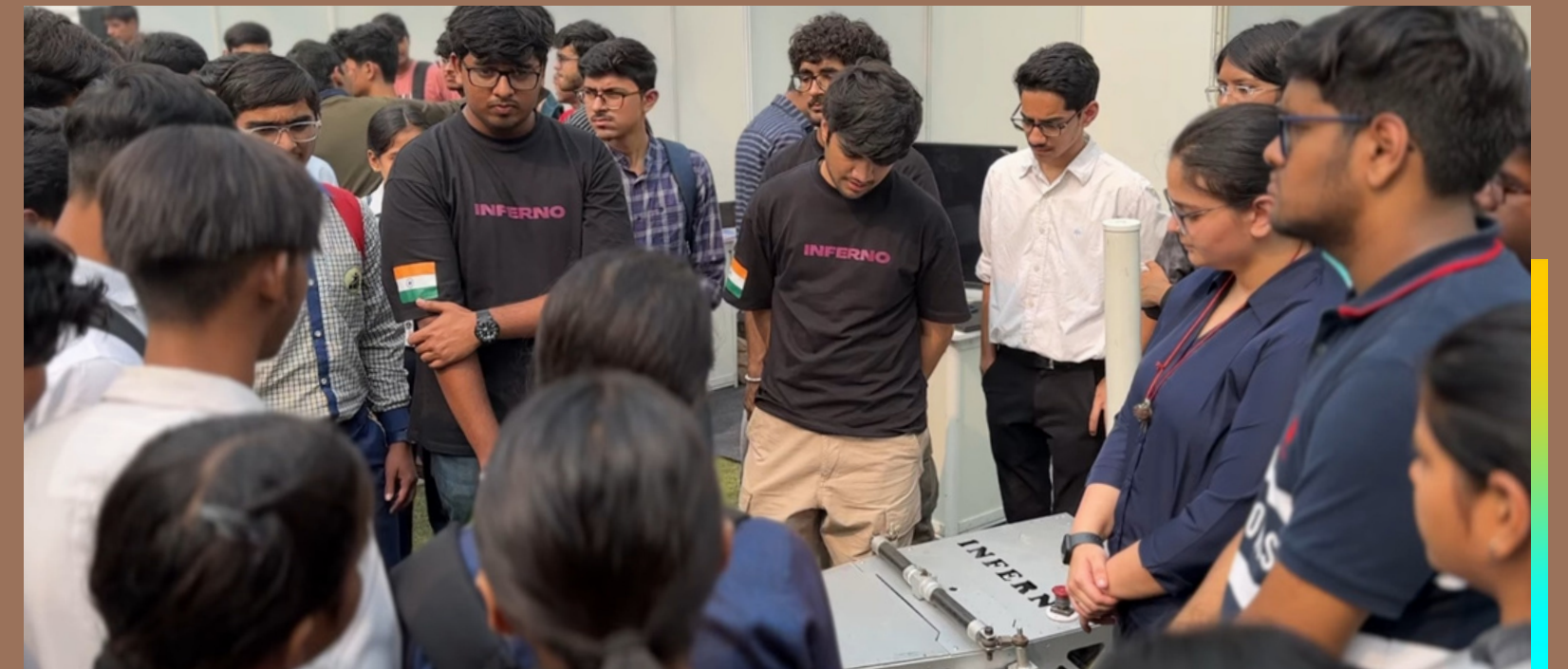
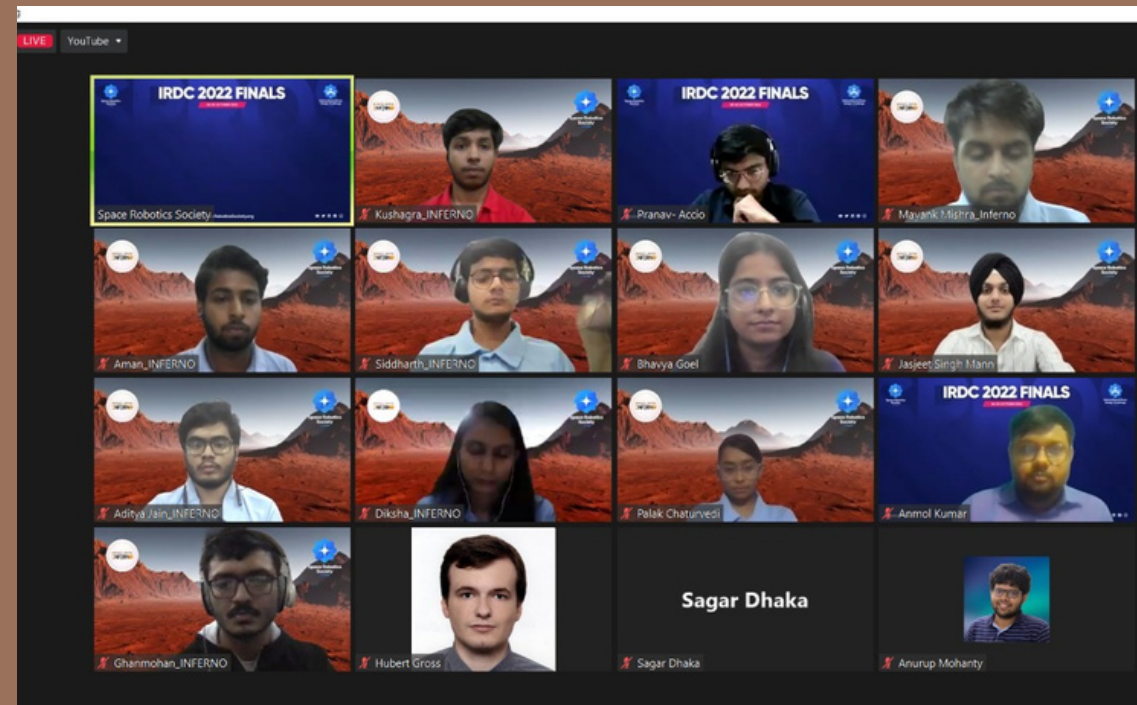


# PUBLICITY & PR ACTIVITIES

- Team Inferno organises various technical workshops and project demonstrations in various universities and schools across the country related to the Mars rover and space exploration.
- We host webinars on diverse topics with academic institutions, partnering with societies to form technical "Similar Interest Groups" that organise events like webinars, challenges, discussions, and ideathons.
- Our social media updates include rover images and simulation videos. Collaborating with the Cosmology Club DTU, we recently conducted the 'Mars Insights' quiz and streamed ISRO's Chandrayaan-3 mission landing to inspire students' interest in space exploration which was covered by various news institutions including Times Of India.
- Additionally, we participated in a college open-house, sharing our project's development with younger students and nurturing their interests.

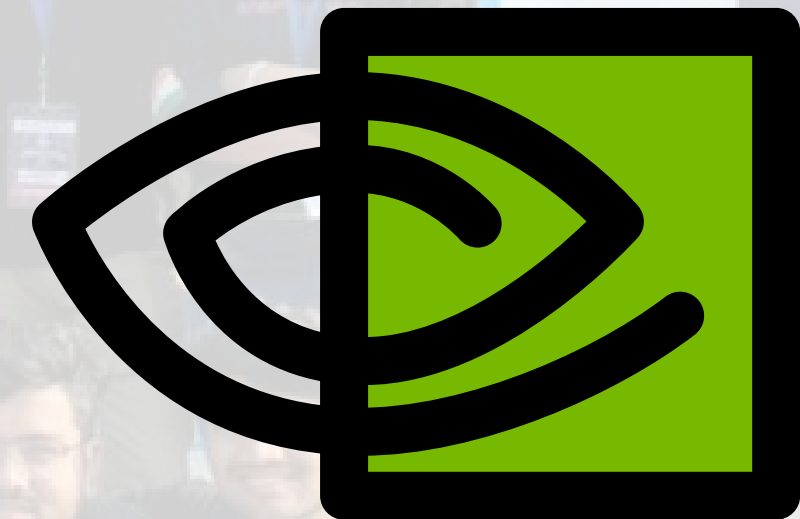
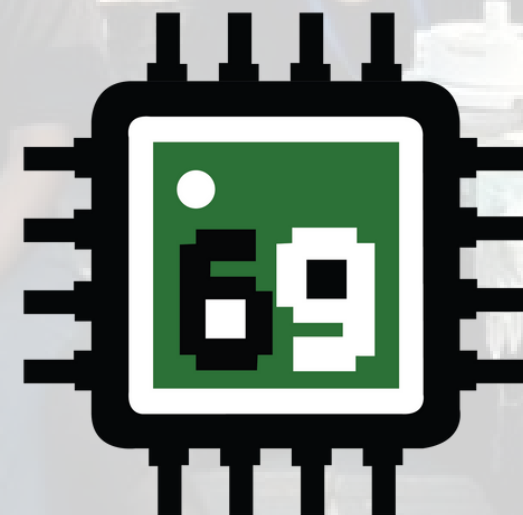


# PUBLICITY & PR ACTIVITIES





# OUR CURRENT SPONSORS





# PREVIOUS SPONSORS



*Jiyo Befikar*





# REACH US AT



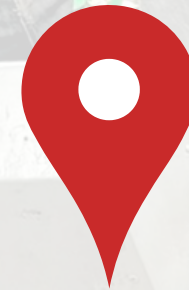
**@inferno.dtu**



**teaminferno@dtu.ac.in**



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+91 6370067724**



**Team Inferno Workshop,  
Opposite SPS-3,  
Delhi Technological University  
Shahbad Daulatpur, Bawana  
Road  
New Delhi - 110042**



**@INFERNO DTU**