

TEAM INFERNO DTU

OVERVIEW

Team Inferno DTU is a team of 28 engineering undergraduates students Team Inferno is a team of 28 engineering undergraduate students working under the guidance of faculty advisor Mr. Pradeep Kumar Jain. Working on the ideas of Robotics and Automation we focus on the design and development of **Space Exploration Vehicles** with countless number of achievements across the globe. We participate in prestigious national and international competitions with global media coverage.

GOALS

1. Promotion of concept and practical applications of engineering studies in our Mars rover project.
2. To dominate the national and international robotics competitions by achieving top positions and showcasing our cutting-edge technology, innovative design, and unmatched skillset.
3. To establish ourselves as a global leader in robotics research and development by collaborating with top-tier colleges and universities from around the world, sharing knowledge and ideas, and leveraging our collective expertise to create revolutionary projects and technologies.

EVENTS AND ACTIVITIES PLANNED FOR 2023-24

1. Participate and win the Anatolian Rover Challenge 2023 in Turkey to showcase our robotics technology and engineering skills.
2. Excel in the International Rover Design Challenge 2023 by presenting our innovative designs and ideas.
3. Dominate the International Rover Challenge 2024 with our technical prowess and outstanding teamwork.
4. Host various events and workshops to promote robotics and inspire young minds.
5. Collaborate with colleges and universities globally to exchange knowledge and ideas, and enhance our network.

TEAM INFERNO STUDENT COUNCIL 2023-24

TEAM CAPTAIN

Pourush Sachdeva
2K21/EC/157

TEAM MANAGER

Arpit Khetan
2K21/IT/42

VICE CAPTAIN

Devansh Gupta
2K21/ME/94

TREASURER

Jasjeet Singh Mann
2K21/EE/143

MECHANICAL LEAD

Aditiya Jain
2K21/ME/20

MACHINE LEARNING LEAD

Sarvesh Pahwa
2K21/CO/426

SOFTWARE LEAD

Kushagra Arora
2K21/SE/107

SCIENCE LEAD

Ashutosh Kumar
2K21/EC/55

ELECTRICAL LEAD

Akshat Gupta
2K21/EC/19

DETAILS OF COMPETITIONS PARTICIPATED **DURING 2022-23**

INTERNATIONAL ROVER CHALLENGE 2023

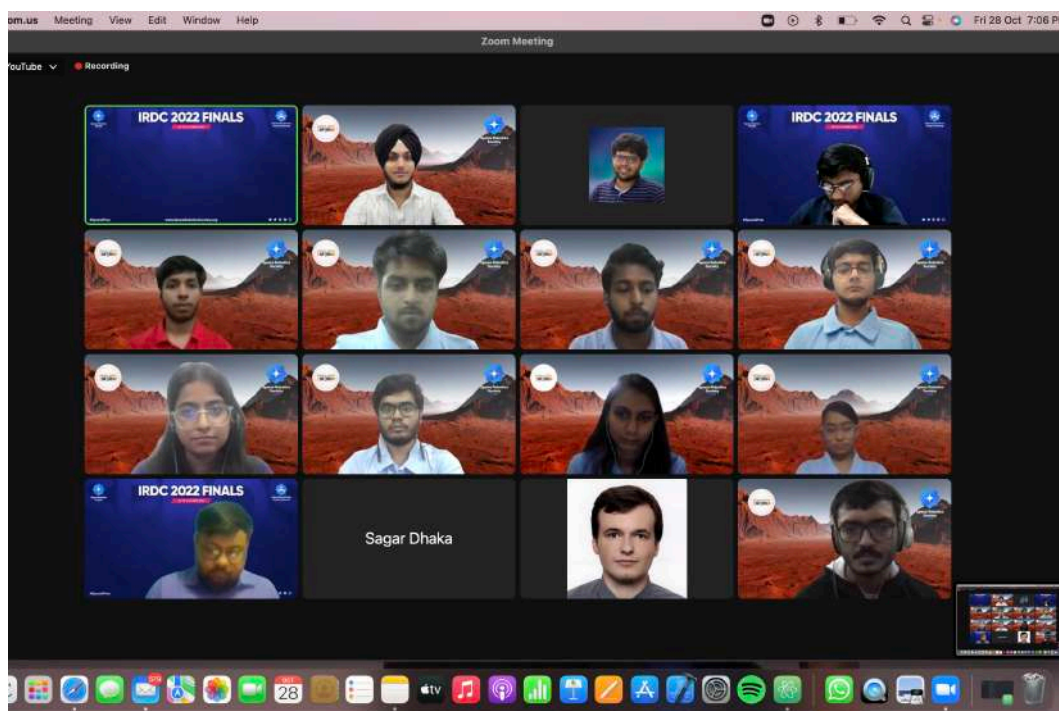
The Space Robotics Society successfully hosted the prestigious International Rover Challenge 2023 at Presidency University in Yelahanka, Bangalore in January 2023, drawing participation from numerous national and international teams. Our very own team Inferno's exceptional project management skills were duly recognised and acknowledged by the organising committee, resulting in a felicitation for "Best Project Management".



Team Inferno at IRC 2023

INTERNATIONAL ROVER DESIGN CHALLENGE 2022

The Space Robotics Society organised the esteemed International Rover Design Challenge 2023, an online competition that witnessed participation from numerous national and international teams. This platform was created to showcase our team's creativity, innovation, and knowledge about the field of Mars rovers. Our exceptional project, Arayanak, received accolades from the distinguished panel of judges, further cementing our position as a leader in the field of robotics.



Team Inferno during the online presentation of IRDC 2022

UNIVERSITY ROVER CHALLENGE 2022

Our team, Inferno, achieved a significant milestone in 2022 by successfully qualifying for one of the most coveted competitions, the University Rover Challenge 2022, held in Utah, United States of America. Amidst intense competition and numerous applications from around the globe, only 36 teams were selected for the highly-coveted on-site finals, comprising both national and international teams. This achievement underscores our team's exceptional skills and knowledge in the field of robotics.



Team Inferno at Mars Yard Utah during URC 2022

EUROPEAN ROVER CHALLENGE 2022 (REMOTE)

Team Inferno recently participated in one of Europe's biggest rover challenges, the European Rover Challenge (Remote Edition), showcasing our exemplary software skills and expertise in rover technology. This esteemed online competition witnessed the participation of numerous national and international teams, providing us with the opportunity to test our mettle against the best in the field.

CONTACT DETAILS

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