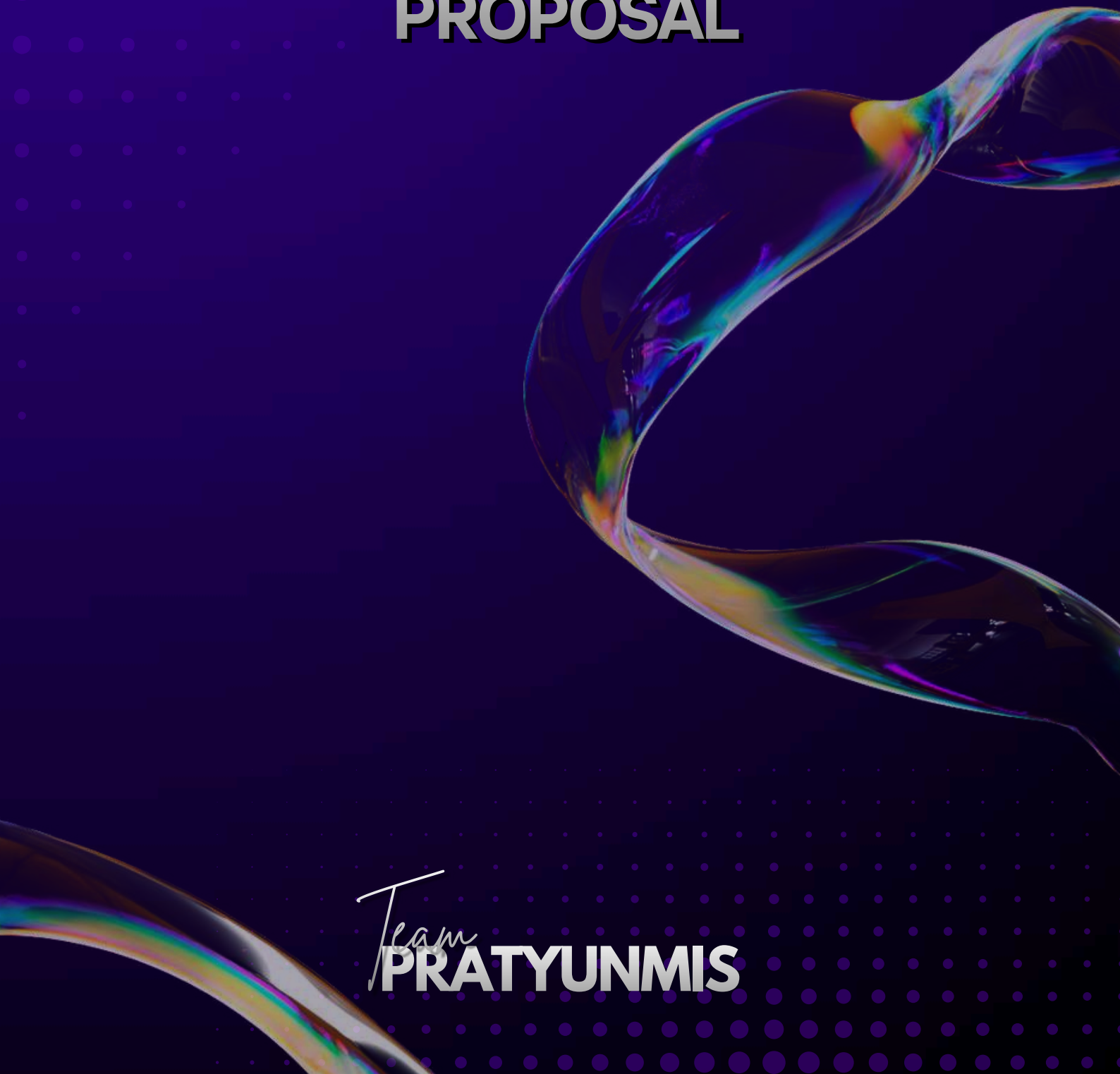
ESTD. 2001 BIT MESRA

ROBOLUTION

SEASON SPONSORSHIP PROPOSAL



Team PRATYUNMIS

BIRLA INSTITUTE OF TECHNOLOGY, MESRA



Founded in 1955 by the visionary industrialist Basant Kumar Birla, the Birla Institute of Technology, Mesra has grown into one of India's most prestigious institutions for higher education in engineering, technology, management, and research. Operating under the stewardship of the C.K. Birla Group, the institute has spent seven decades fostering innovation, academic excellence, and technological advancement.

As BIT Mesra celebrates 70 years of excellence, it continues to uphold its founding vision with unwavering dedication. The institute strives to be a globally recognized center of learning, seamlessly aligned with social, economic, and environmental progress while continuously advancing education, research, and technological service to address national and global challenges.

BIT Mesra is committed to nurturing future leaders, innovators, researchers, and entrepreneurs through its undergraduate, postgraduate, doctoral, and post-doctoral programs. By providing a dynamic academic environment and promoting cutting-edge research in emerging fields, the institute empowers its students to excel in challenging engineering, managerial, and scientific roles, contributing meaningfully to the advancement of technology, education, and society.

OUR LEGACY

Founded in 2001, Robolution is the official robotics and innovation club of BIT Mesra, one of India's leading engineering institutions. Also known as Team Pratyunmis, we bring together expertise in mechanical design, electronics, and programming to develop innovative robotic systems that compete at national and international levels.

As the institute's representative team for **ABU ROBOCON**, one of Asia's most prestigious robotics competitions, we continuously strive for technical excellence and innovation. In 2021, we achieved a landmark feat by securing a perfect score of 100 in 3D Design Analysis, showcasing our commitment to engineering precision and problem-solving.

Beyond competitive robotics, Robolution fosters a culture of learning and innovation through hands-on workshops, research-driven projects, and **RoboSaga**, our flagship annual techno-management festival that inspires and connects technology enthusiasts across disciplines.

MISSION

To be India's most impactful student robotics club
— fostering a culture of innovation, interdisciplinary
collaboration, and real-world problem solving that
prepares students to lead in an automated world.

VISION

- Design & build robots that solve real-world problems.
- Compete at national and international competitions.
- Organise workshops, hackathons & outreach programmes.
- Collaborate with industry and academia for applied research.
- Mentor students in robotics, AI, electronics & software.

OUR LEGACY

ROBOCON 2013
BEST ROOKIE TEAM
Recognised as the Best Newcomer Team during our inaugural participation in ABU Robocon, marking an exceptional debut and establishing our presence on an international platform among some of the most talented robotics teams from across the region.

ROBOCON 2015
BEST NON-QUARTERFINALIST
Awarded for exceptional performance and innovation among non-quarterfinalist teams, reflecting the quality of our engineering and teamwork.

ROBOCON 2015
₹150,000 MATHWORKS AWARD
Won the prestigious prize for best use of MathWorks tools in robot development, highlighting our integration of simulation and real-world engineering.

IITB TECH FEST 2015
2nd Prize • PIXELATE
Secured Second Place in Pixelate, a highly competitive image processing and robotics challenge conducted as part of one of Asia's largest science and technology festivals, demonstrating exceptional technical expertise and problem-solving capabilities.

ABU ROBOCON 2021
PERFECT SCORE - 100/100 MADE HISTORY BY
Made history by achieving o perfect score of 100 in 30 design| analysis, setting a new benchmark for our club and BIT Mesra on the world stage.

OTHER ACHIEVEMENTS

2018, KSHITIJ IIT KHARAGPUR
2nd Place – Maze Solver

2016, SRIJAN JADAVPUR UNIVERSITY
1st Place – Multiple Events

2024, SMART INDIA HACKATHON '24
Grand Finale – Hardware Edition

2019, TECHNICHE IIT GUWAHATI
1st Place – RoboSoccer

2023, KSHITIJ IIT KHARAGPUR
2nd Place – Autonomous Navigation

2021,BITS PILANI QUARK FEST
3rd Place – Robowar

2023, TECHNICHE IIT GUWAHATI
1st Place – Robowar & Line Follower

2023, E-YANTRA IIT BOMBAY
National Finalists – Theme Completion

2022, PRAGYAN NIT TRICHY
1st Place – Roborace

2022, ROBOTRYST DTU
2nd Place – Autonomous Bot

2021, ABU ROBOCON 2021 (VIRTUAL)
National Finalists – Top 15



ROBOCON RECORDS

ROBOCON 2013

Best ROOKIE Team

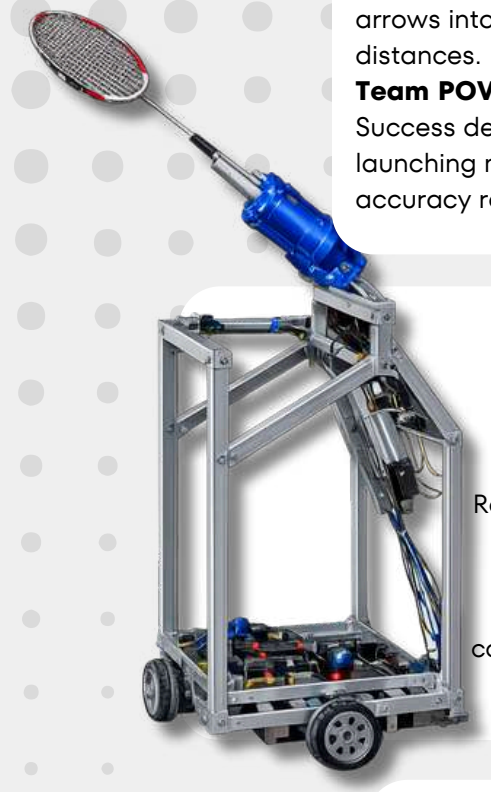
Throwing Arrow into Pot

Problem

Robots had to collect and accurately throw arrows into pots placed at different heights and distances.

Team POV

Success depended on precise aiming, stable launching mechanisms, and repeatable shooting accuracy rather than just speed.





ROBOCON 2015

Best Non Quaterfinalist

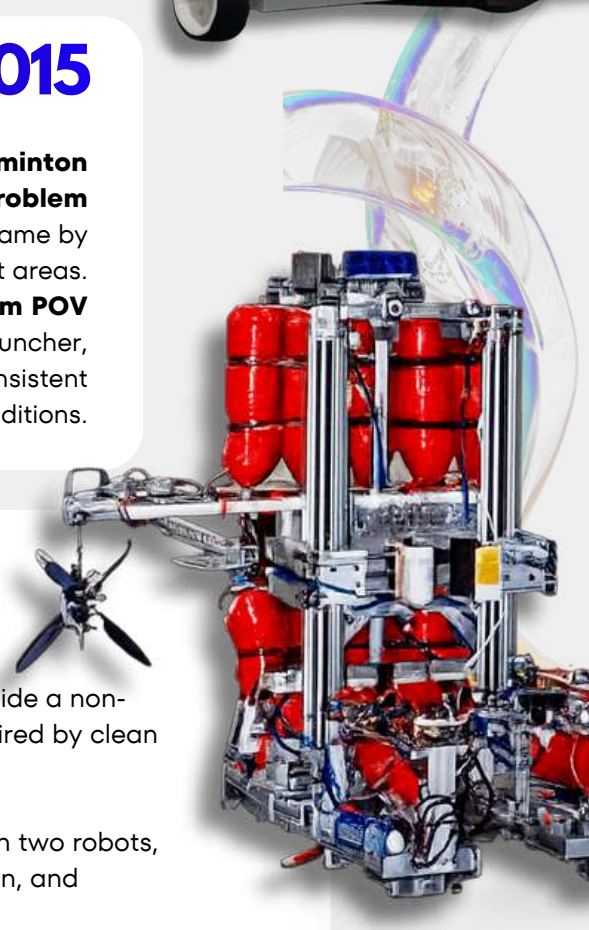
Robominton

Problem

Robots had to play a badminton-inspired game by launching shuttlecocks into target areas.

Team POV

Focus was on designing an accurate launcher, controlling shot trajectory, and ensuring consistent performance under match conditions.



ROBOCON 2016

National Reprentation

Clean Energy Recharging the World

Problem: A powered robot had to assist and guide a non-powered robot through various arena tasks inspired by clean energy transfer.

Team POV

The biggest challenge was coordination between two robots, requiring reliable communication, synchronization, and innovative mechanical interaction.



ROBOCON 2018

National Reprentation

Throwing Arrow into Pot

Problem

Robots had to collect and accurately throw arrows into pots placed at different heights and distances.

Team POV

Success depended on precise aiming, stable launching mechanisms, and repeatable shooting accuracy rather than just speed.

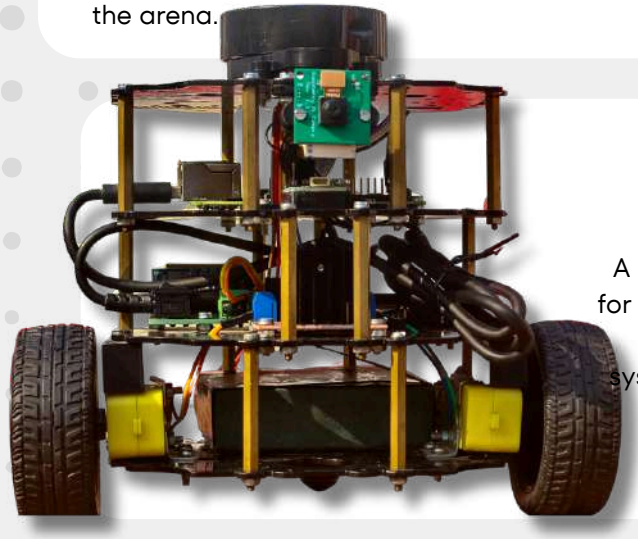
OUR ROBOTICS PORTFOLIO

ROBOWARS 2025

Quater-finalist

A powerful combat robot built for IIT Bombay Techfest, featuring a robust design, high-speed mobility, and an effective weapon system to compete in intense robot battles. Designed to withstand heavy impacts while delivering precise attacks and superior maneuverability in the arena.





TURTLE BOT

Autonomous Mobile Robot (AMR)

A versatile mobile robotics platform designed for autonomous navigation, sensor integration, and algorithm testing. It serves as an ideal system for developing and validating robotics concepts in mapping, localization, path planning, and intelligent control.

SYNAPSE

Robotic Arm

6-DOF robotic manipulator arm with computer vision integration. Capable of pick-and-place, object sorting via ML, and teleoperation through a custom Android interface.

DAEDALUS

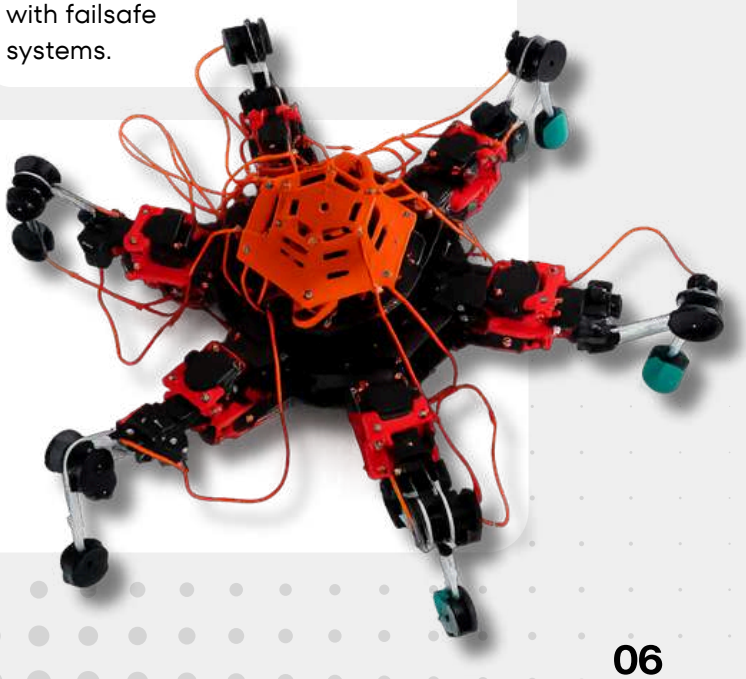
Quadcopter Drone

Precision drone platform built for aerial surveillance, mapping, and competition. Custom flight controller, PID-tuned stabilisation, and FPV-ready with failsafe systems.

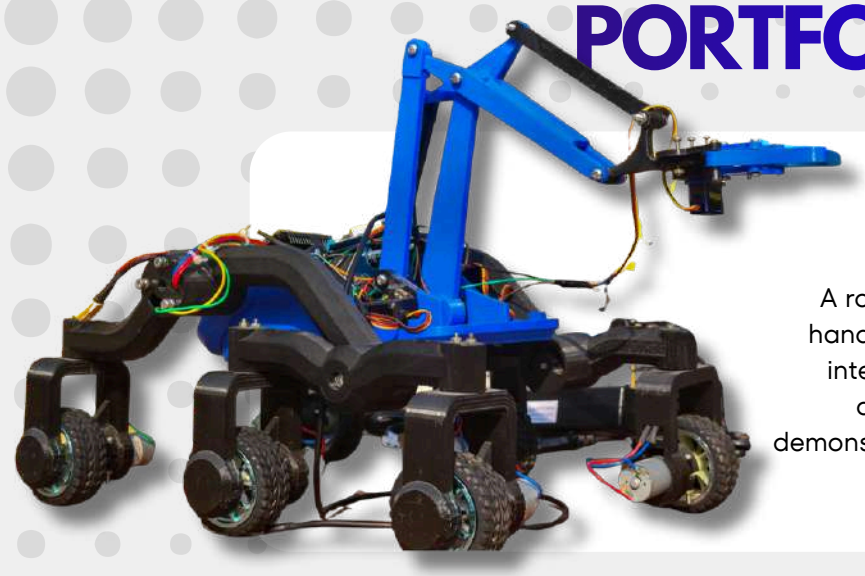
HEXAPOD

Learning Robot

A Hexapod is a six-legged walking robot designed to achieve superior stability, mobility, and adaptability on uneven terrain. Inspired by insects, it uses coordinated leg movements (gaits) to navigate obstacles, maintain balance, and operate in environments where wheeled robots struggle.



OUR ROBOTICS PORTFOLIO



GRIPPER BOT
Learning Robot

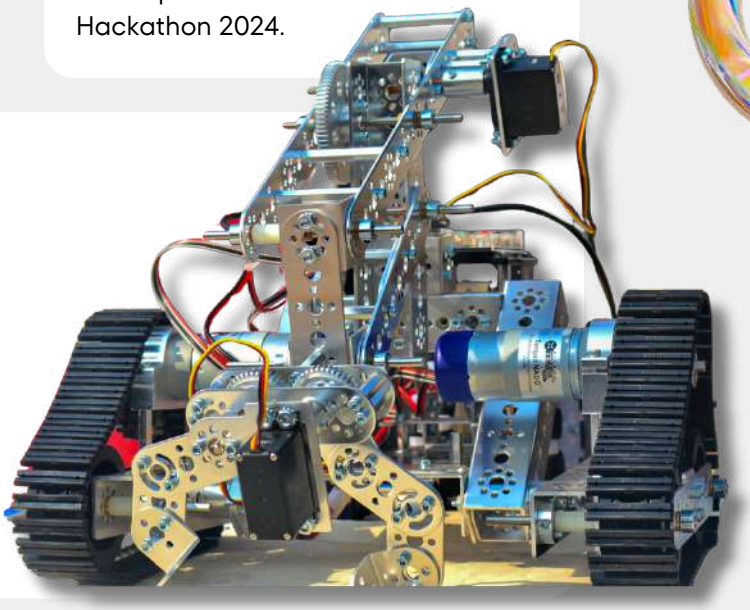
A robotic arm designed for precise object handling and manipulation. It serves as an interactive platform for learning robotics, automation, and control systems while demonstrating real-world industrial pick-and-place applications.

AUTON
Autonomous UGV

GPS/LiDAR-guided unmanned ground vehicle capable of navigating complex terrains, avoiding obstacles in real-time, and performing payload delivery tasks autonomously.

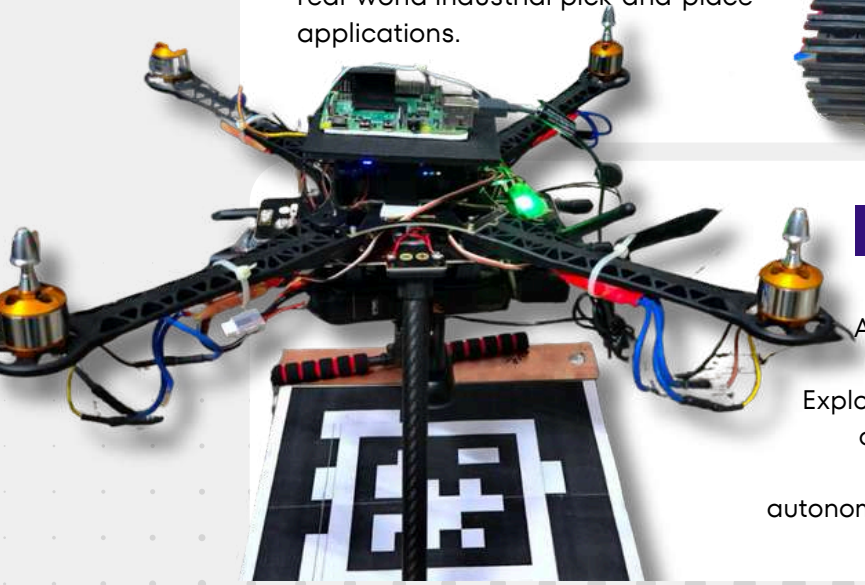
AGRIBOT
Agricultural Robot

Prototype agri-robot for automated seeding, weeding, and crop monitoring using computer vision and soil sensors — developed under Smart India Hackathon 2024.



GRIPPER BOT
Learning Robot

A robotic arm designed for precise object handling and manipulation. It serves as an interactive platform for learning robotics, automation, and control systems while demonstrating real-world industrial pick-and-place applications.



ISRO ROBOTICS
Drone(U.A.V.)

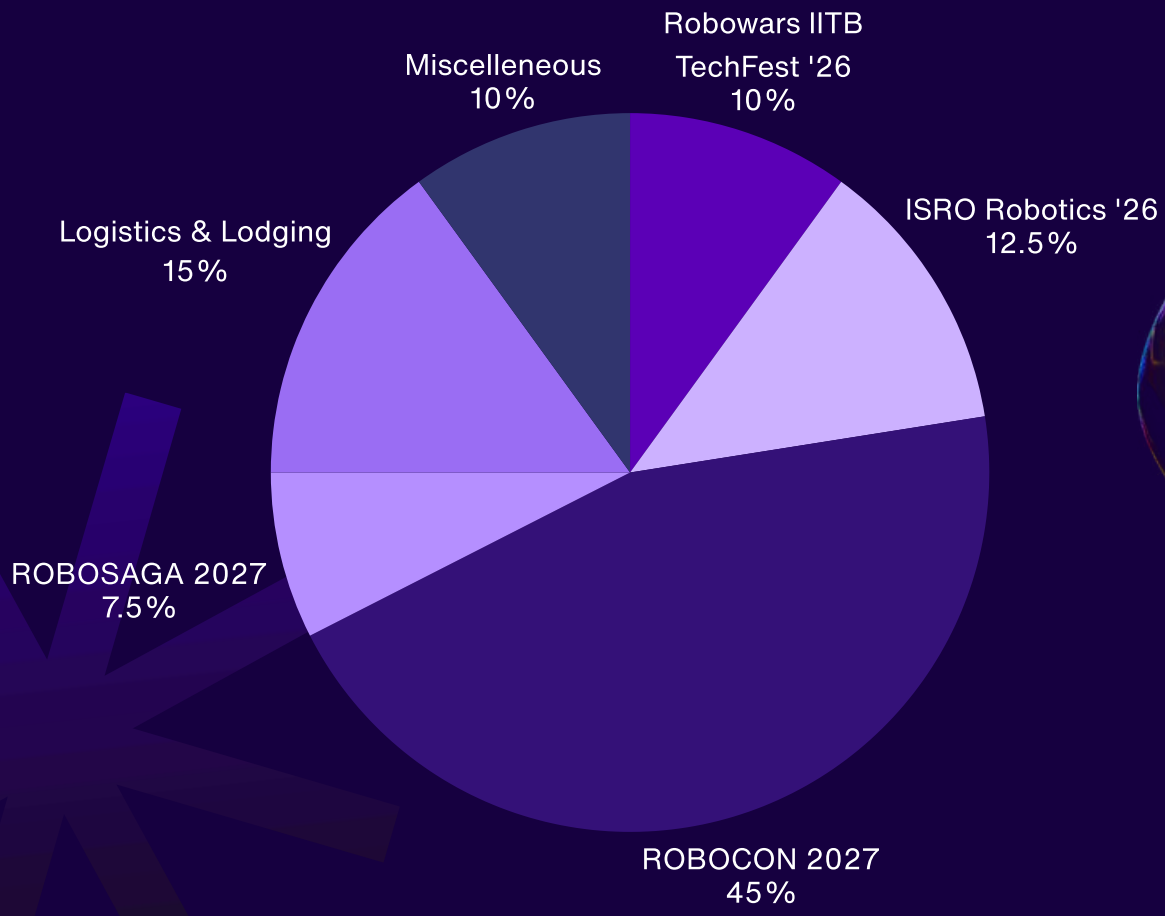
ASCEND – Towards Swarm Expedition: Autonomous Surveyor Challenge for Exploration, Navigation and Dynamics. The challenge is inspired by future Martian exploration missions and focuses on autonomous aerial robotics operating without GPS or external navigation aids.

FINANCIAL EXPENDITURE

Overall expenditure for 2026-27 session

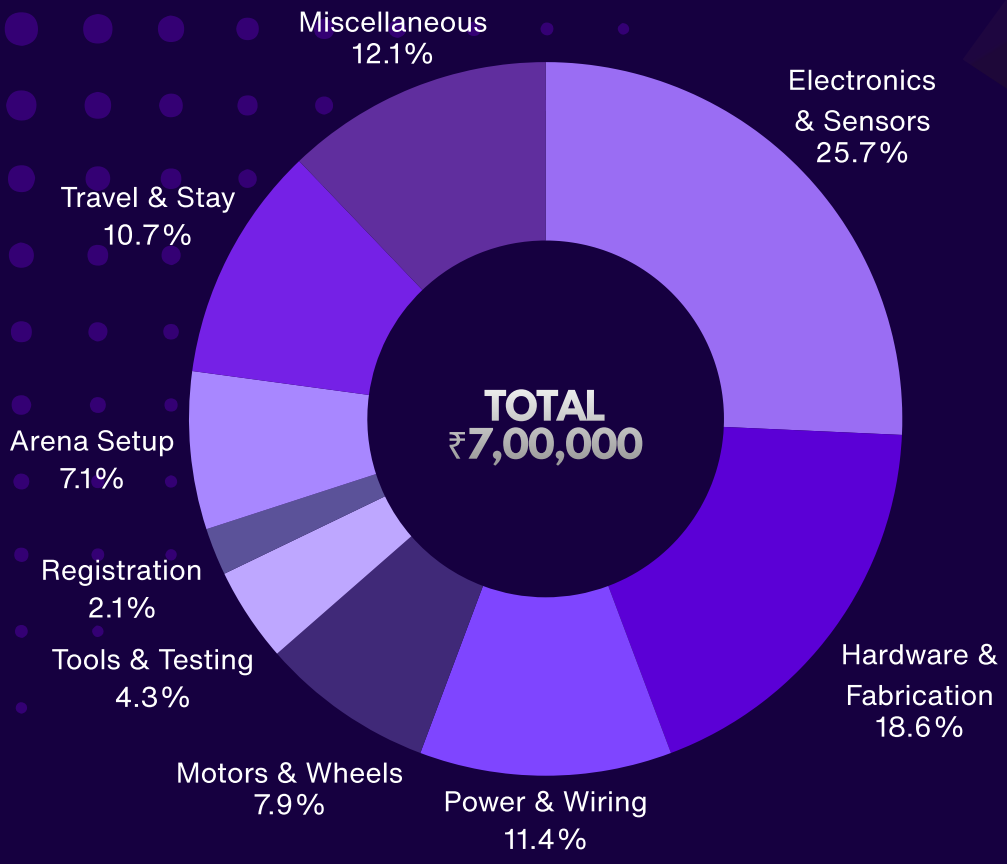
The following expenditure breakdown outlines the resources required to support our projects, competitions, and innovation initiatives throughout the season.

YEAR	EVENT NAME	EXPENSES
2026	Robowars IITB TechFest 2026	2,20,000/-
2027	ROBOCON 2027	7,00,000/-
2027	ISRO Robotics 2027	1,25,000/-
2027	ROBOSAGA 2027	75,000/-
2026-27	Logistics & Lodging 2026-27	50,000/-
2026-27	Miscelleneous 2026-27	10,000/-
	TOTAL	11,80,000/-

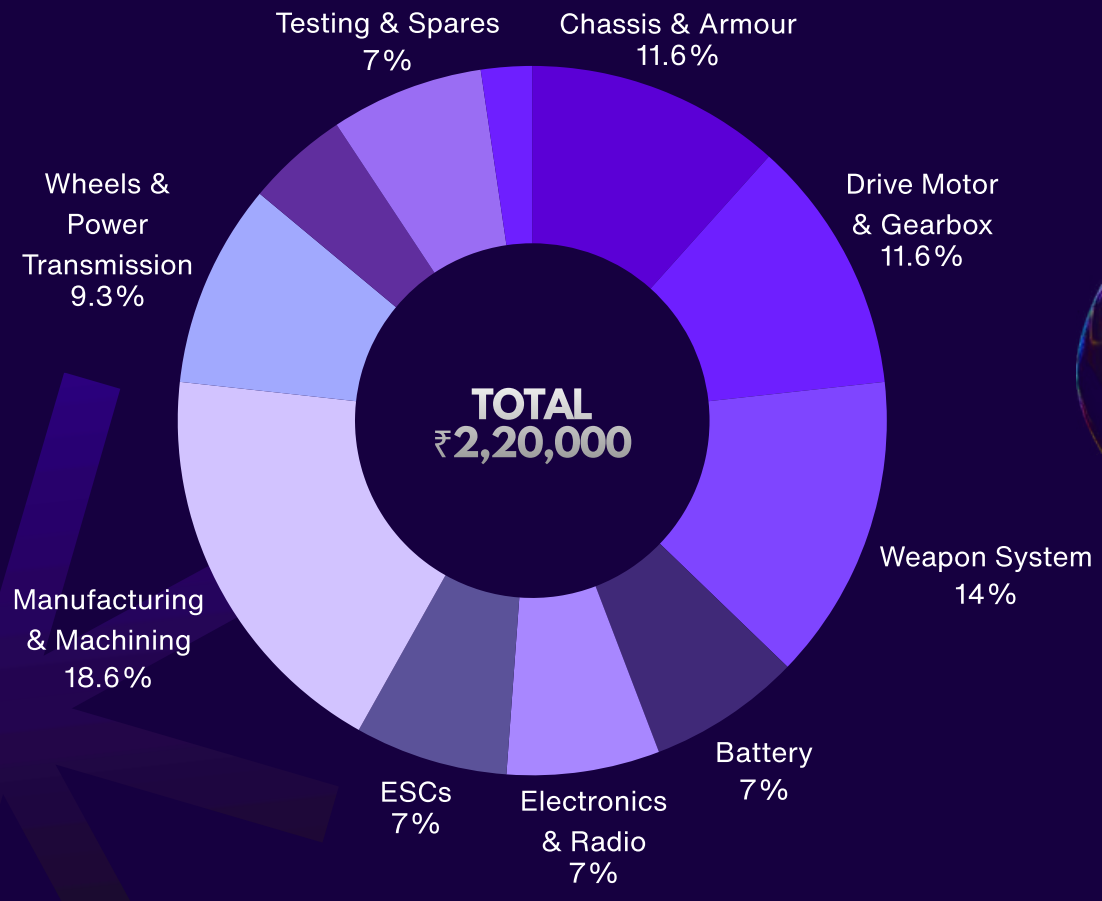


THE COST OF INNOVATION

ROBOCON



ROBOWARS



WHY SPONSOR US

ABOUT US

ROBOLUTION is the official robotics club of BIT Mesra, driven by innovation, engineering excellence, and competitive spirit. Our team works across multiple domains of robotics including autonomous systems, combat robotics, drone technology, AI-integrated robotics, embedded systems, and advanced mechanical design.

We participate in national-level competitions, technical exhibitions, workshops, hackathons, and collaborative engineering projects that represent the innovation culture of BIT Mesra.

Through our projects and competitions, we aim to:

- Build impactful engineering solutions
- Push technological boundaries
- Promote robotics culture among students
- Create industry-academia collaboration opportunities
- Inspire future innovators and engineers

WHY PARTNER WITH US?

Brand Visibility

Showcase your brand across event banners, promotional materials, digital campaigns, merchandise, and club activities.

Access to Top Technical Talent

Connect directly with highly motivated students, identify potential interns and future hires, and build lasting relationships with the next generation of engineers, innovators, and technology leaders.

Strong Campus Presence

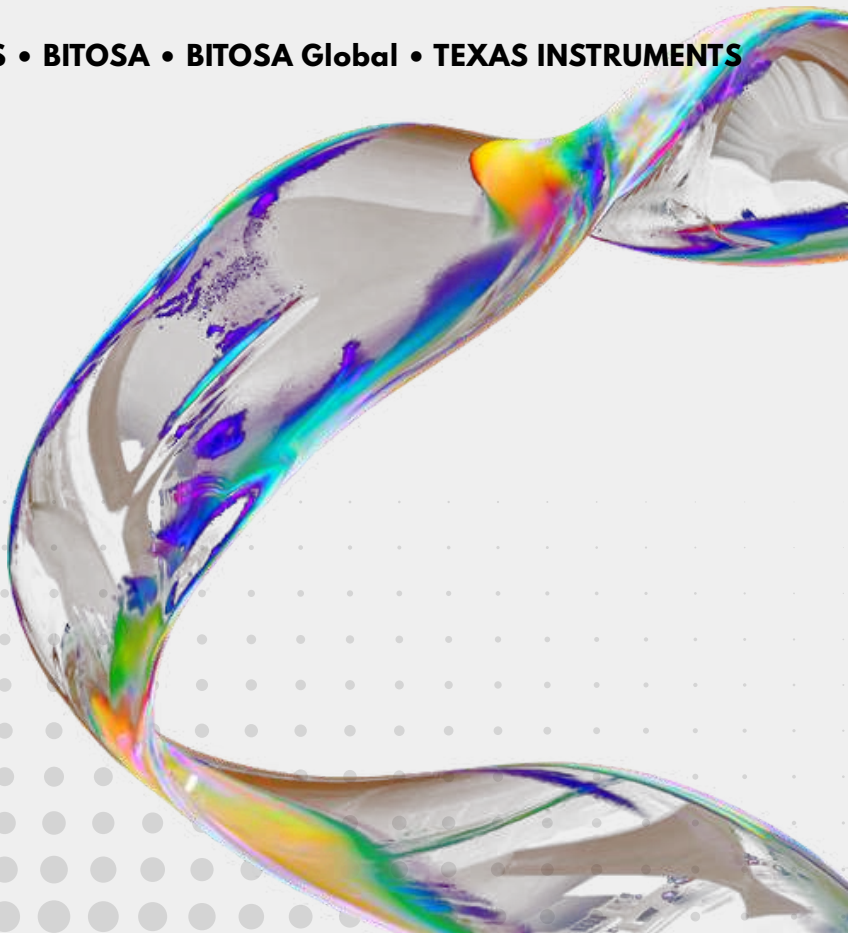
Gain visibility among students, faculty, researchers, and technology enthusiasts through our events, workshops, competitions, and social media outreach.

Customized Partnership Packages

We offer flexible collaboration opportunities tailored to your organization's objectives, whether branding, recruitment, workshops, or technical engagement.

PAST SPONSORS

NVIDIA • GLIBERT RUGBY • HRS SPORTS • BITOSA • BITOSA Global • TEXAS INSTRUMENTS



PARTNER WITH ROBOLUTION

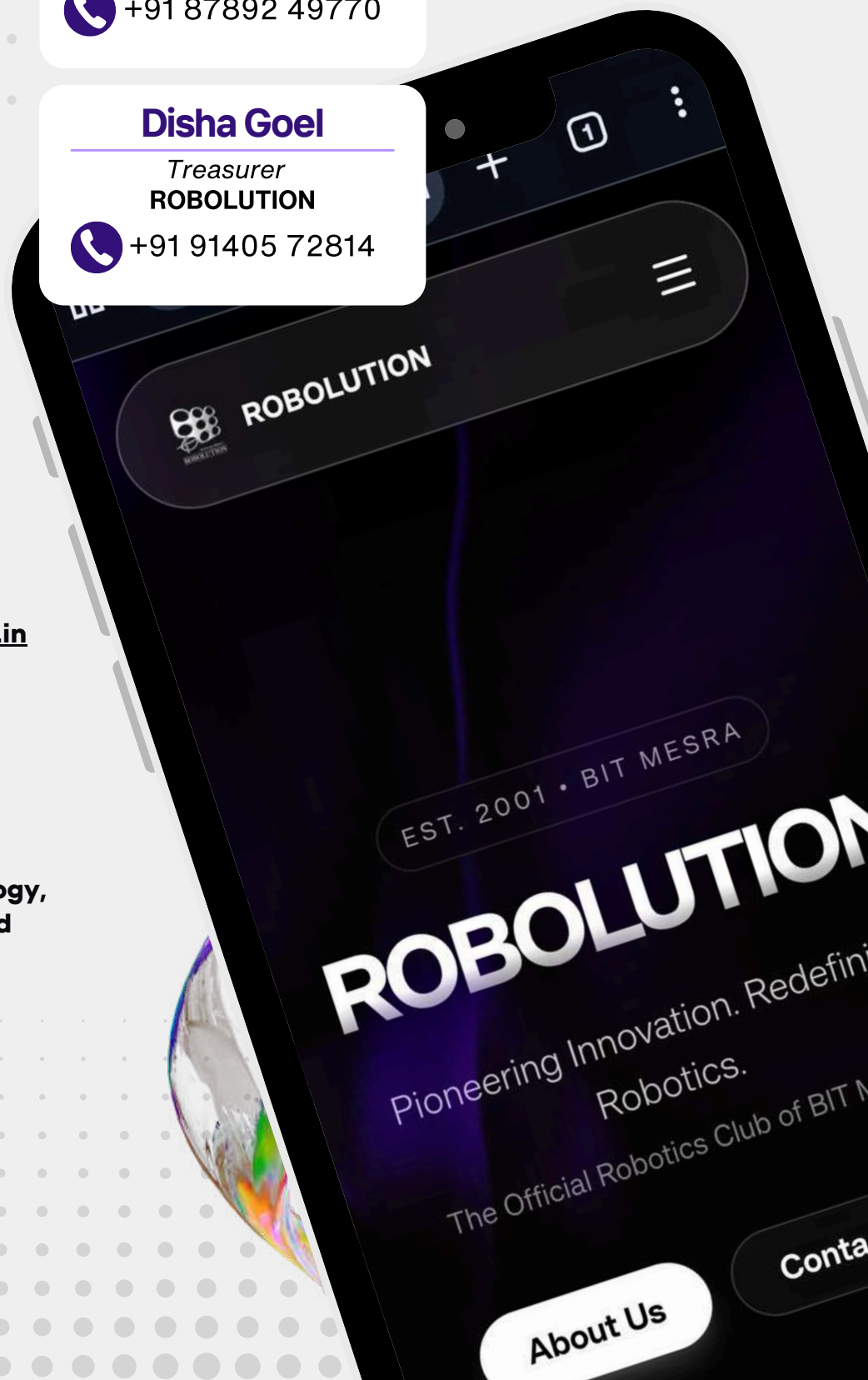
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