

STAR ROCKETRY SPONSORSHIP PACKET 2026-2027

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REVA University

WE ARE STAR ROCKETRY

Founded in 2024, we are a student-run sounding rocketry team from REVA University. Our mission is to design, build and launch high power sounding rockets, while building a community and cultivating the future of rocketry. At STAR we take a multi-disciplinary approach to engineering bringing students together from mechanical, aerospace, computer science, electronics and more- all working together to develop real-world solutions to real-world problems. STAR consists of 5 subsystems allowing all the team members to grow in all aspects of engineering and leadership.



J-Class Motor on static-test stand



Workshop rocket launch

OUR SUBSYSTEMS

Propulsion Subsystem: Designs, models, and static-fires solid rocket motors.

Design and Analysis Subsystem: Designs aero-structures, performs CFD simulations, FEA stress analysis and FSI for aero-elastic behavior to optimize stability and performance of structure.

Avionics and Controls Subsystem: Develops in-house flight electronics, dual-event recovery deployment circuits, telemetry systems, and sensor fusion algorithms.

Payload Subsystem: Integrates scientific experiments, and specialized telemetry payloads for flight operations.

Mechanical and Manufacturing Subsystem: Fabricates composite airframes, precision-mills aluminum components, and oversees overall recovery, structural assembly and integration.

SPONSORSHIP OPPORTUNITIES

Targeted Talent Acquisition: Direct access to STAR Rocketry members resume book for recruiting top engineering talent across Aerospace, CSE, and ECE.
Brand Visibility: Prominent logo placement on high-altitude rocket airframes, test stands, team apparel, research publications, and digital platforms.
Product Field Testing: Test and validate your company's sensors, components, or materials in real-world, high-stress flight and static-fire environments

WHY TRUST US?
We have built proven hardware - including J-Class Solid Rocket Motors, Static-Test Stand, High Power Rocket Launch Pad and 7 successful launches proudly designed and build at REVA University and launched at AeroQuest from scratch.

2026-27 Budget

IREC	
Structures	400,000 INR
Payload Development	120,000 INR
Avionics Development	100,000 INR
COTS Motor Procurement	175,000 INR
Competition/Test Launch/Travel/Fees	2,000,000 INR
Team Enrichment	
SRAD Motor Development	75,000 INR
Two-Stage	400,000 INR
Hybrid Engine Development	50,000 INR
Active Controls Development	
Miscellaneous	150,000 INR
Tools	
Other	
	3,470,000 INR
Total	

HELP FROM YOU

STAR Rocketry benefits from:

- Monetary donations for rocket & motor development and manufacturing.
- Material donations, including metal stock, tooling, avionics connectors, 3D printers, 3D printing filament, PCB printing, solid propellant, pressure transducers, and sensors for motor testing, etc. These are incorporated directly into rocket and test equipment.
- Design reviews from industry experts to guide us during the development phase.
- Connect with industries for outreach to get monetary sponsorship.

TIER BENEFIT	STAGING	STATIC FIRE	MAX-Q	APOGEE	ESCAPE* VELOCITY
Tier Value	Up to 50k	Up to 1L	Above 1L	Above 5L	Above 10L
Logo on Website & Newsletters	✦	✦	✦	✦	✦
Logo on Payload	✦	✦	✦	✦	✦
Logo on Rocket Airframe	✦	✦	✦	✦	✦
Logo on Team Apparel	✦	✦	✦	✦	✦
Linkedin post mention	✦	✦	✦	✦	✦
Individual Social Media Thank You	✦	✦	✦	✦	✦
Access To Member Resume Book	✦	✦	✦	✦	✦
Social Media Shout-outs	✦	✦	✦	All Posts	All Posts
Name on Papers			✦	✦	✦
On Demand Access To Footage **			✦	✦	✦
Test Company Products			✦	✦	✦
Priority Logo Placement & Branding					✦
Access To Test Launch (India) ***					✦

1. Sponsorship spans for 12 months. The duration of Escape Velocity is determined individually.
2. *For Escape Velocity at-least 7L INR must be in the form of monetary contribution.
3. **Footage use & filming events: Each request must individually be reviewed and approved by the University
4. ***Invitation to events granted as permitted by safety policies and range safety considerations

All prices are in INR.

2026-27 GOALS

Technical Goals

- Participate in IREC 2027 Midland, Texas and debut in 10k COTS category.
- Fully develop Asia's first two stage sounding rocket by March 2027.
- Launch a rocket with the hot-fired J-Class Solid Rocket Motor.
- Teach class of 2025-29 on rocketry at RUSoRoC and launch all the rockets at AeroQuest!
- Improve SRAD In-house PCB manufacturing.
- Begin collaboration with local middle and high schools to run STEM-focused events.
- Complete the resource archive for new recruits and the community.



J-Class Solid Rocket Motor test in November, 2025

Team Goals

- Train members in design, analysis, manufacturing, assembly, and testing.
- Improve member professional development through industry networking and recruitment events.
- Continue to develop members' soft skills such as teamwork, communication, and technical presentation.

TEAM HISTORY

2024: STAR Rocketry was found as an amature rocketry club at REVA University, Bangalore in October.

2025: Received first sponsorship of 90,000 INR SEED grand from REVA University. Utilized the grant for hot-firing a J-CLass Solid Motor.

2026:

February:

- Acceptance of research manuscript in a Q2 Journal at Taylor & Francis.
- First model rocket launch.
- 1st Edition Model Rocket Workshop conducted for the class of 2024-28 with over 50+ participants 11 rockets.

June: Participated in IN-SPACe Model Rocketry Competition 2026.

September: Hot-fired a G-Class Solid Motor.
Launched 7 rockets successfully to date.

October: Application submitted for IREC 2027 in the 10k COTS category.

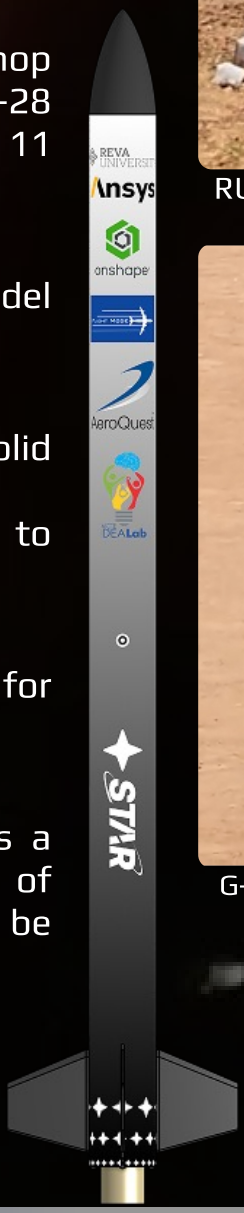
November: RUSoRoC 2026 held as a workshop conducted for the class of 2025-29 with 14 rockets to be launched this edition.



RUSoRoC test launch prior to launch



G-Class Solid Rocket Motor (SRM) Test



STAR



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