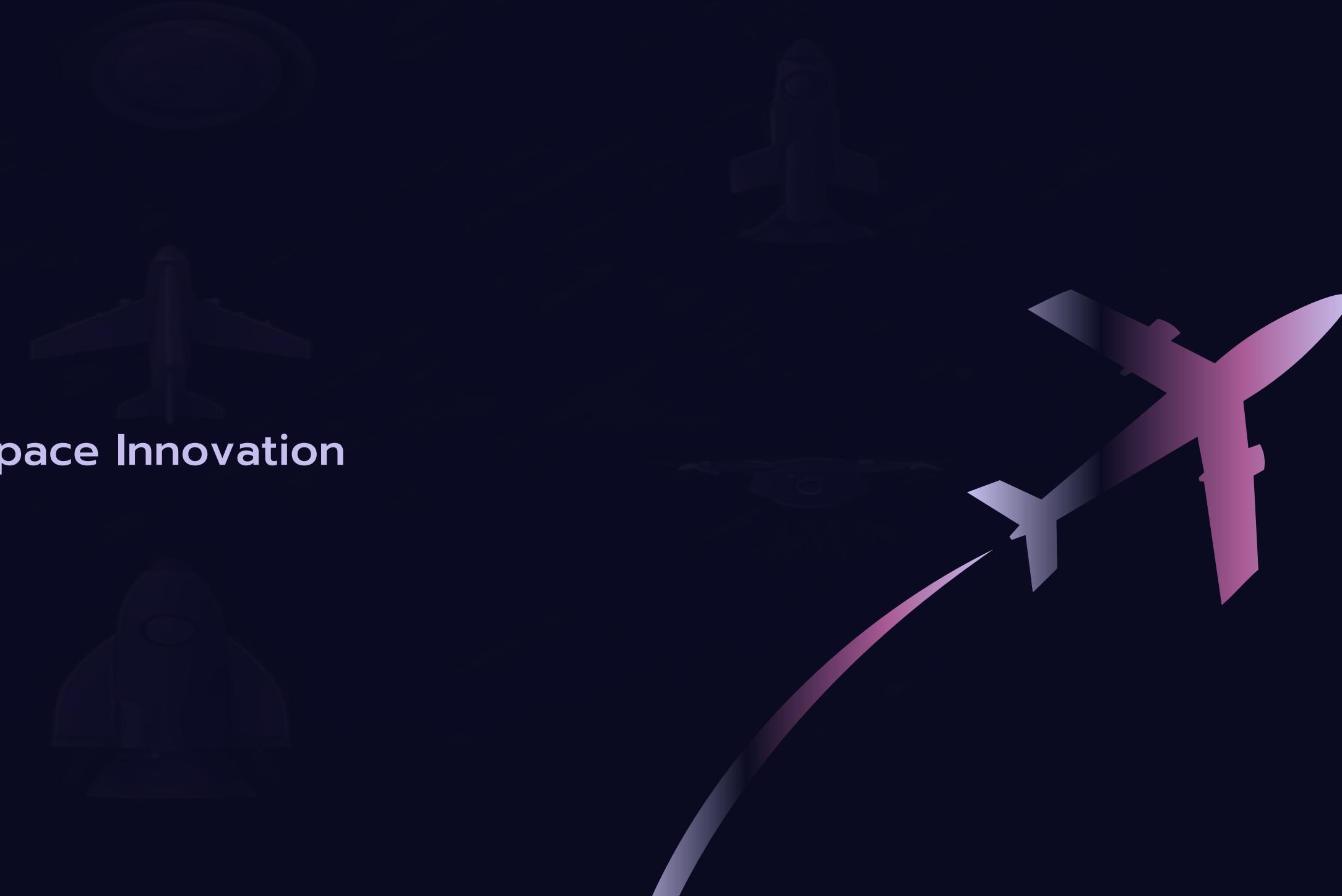




AeroNITK

Thrust to Infinity and Beyond

NITK's Premier Student Team for Aerospace Innovation



ABOUT US

AeroNITK is the youngest student-led technical club of NITK Surathkal, committed to pushing the boundaries of aerospace innovation. Our team designs, fabricates, and flies high-performance RC aircraft and drones that compete at top national and international competitions.

Our specialities include:



 Payload-efficient RC aircraft



 Autonomous multirotor UAVs



 Fabrication, testing & flight integration



 Advanced simulation (CFD, airfoil modeling)

We are passionate about pushing the boundaries of aerospace technology and inspiring the next generation of engineers.

Our Mission

To be the driving force that takes NITK to the skies empowering students to innovate, experiment, and lead in the world of aerospace engineering.

Hands on Research

Conducting cutting-edge research in aerospace.

Real World Engineering

Applying engineering principles to practical problems.

Global Competition

Competing on the world stage.

- **Innovate:** Pioneering new aerospace technologies.
- **Educate:** Training the next generation of engineers.
- **Compete:** Showcasing skills on the global stage.

Focus Areas



Aircraft Design

Payload-efficient RC planes with optimal lift/drag ratios, aerodynamic optimization.

- Structural Analysis
- Control Systems



UAV & Autonomy

Autonomous drones with onboard AI & navigation systems, advanced control algorithms.

- Path Planning
- Object Recognition



CFD & Simulation

High fidelity aero modeling using CFD and XFLR5, data driven design improvements.

- Aerodynamic Analysis
- Performance Prediction



Tech Documentation

Design reports, RFPs, and presentation content, detailed documentation.

- Technical Writing
- Report Generation

SAEISS Drone Challenge

India's biggest national-level aeromodelling competition – the SAEISS Drone Development Challenge 2025 (Over 60+ teams)

Date: 28–30 March 2025 | Location: Chennai



🏆 2nd Place in Best Aerodynamics – CFD Analysis

🥇 6th Place in Overall Best Performance

🥈 6th Place in Best Innovation

🥉 9th Place in Best Design Report

OUR COMPETITIONS :



IIT Bombay Competition

Event: IIT Bombay National Aeromodelling Competition

Date: 17–20 December 2024

🥈 2nd Place : Qualifying Round

🥇 7th Place : Overall (among 200+ teams)

Boeing Aeromodelling Workshop :

Day 1

Knowledge Enrichment Program (KEP) – Laying the foundation with aerodynamics and aircraft design principles.

Day 2

Airplane Fabrication – Teams worked meticulously to manufacture 5 airplanes from scratch.

Day 3

Flight Round – The grand moment where all 5 airplanes took flight with a 100% success rate!

50+

Students trained

5

Aircrafts Built

3

Days



Upcoming Competitions :

Competition	Focus	Location	Timeline
SAEISS Drone Challenge	Fixed wing UAV	Chennai	TBA
SAEISS Autonomous Challenge	Autonomous Drones	Chennai	TBA
AIAA Design/Build/Fly (DBF)	Int'l Fixed-wing UAV	USA	2025–26 Season
Boeing Aeromodelling Competition	RC aircraft fabrication	TBD (India)	To Be Announced

Why Sponsor Us :



National awards from IITB & SAEISS

Support a team awarded by IIT Bombay & SAEISS . Your backing helps us compete at top levels .



End-to-end R&D: design, CFD, fabrication

We handle everything : Design , CFD , and Fabrication. See real results from your investment



Visibility at India's premier tech institutions

Get visibility at top institutes like IITs . Reach a skilled and engaged audience .



1000+ students trained via outreach programs

Support outreach programs that inspire and educate future Engineers .



Sponsor branding on reports, merch, and aircraft

Feature Your brand on our reports , merchandise , and aircraft and seen by stakeholders and costumers .

Sponsorship Tiers :

Tier	Contribution	You Receive
 Gold	₹1,00,000+	Logo on aircraft, merch, website, reports, social media, certificates
 Silver	₹50,000+	Logo on reports, presentations, outreach events
 Bronze	₹20,000+	Mention in sponsor posts, appreciation certificate

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