About AeroTHON

AeroTHON is one of the Annual Flagship events of SAEINDIA that prepares the students for being industry ready by providing an opportunity and platform for the students to apply and develop their skills in designing, building, flying an Uncrewed Aerial System (UAS) with insightful mentorship from the industry professionals.

UASs are being used across diverse areas, such as, defense, construction, infrastructure, mining, oil & gas, telecom, agriculture, media & entertainment, law enforcement, surveillance, security, safety, disaster management, geospatial mapping, land survey, the progress and condition monitoring through aerial photography and thermal imaging. Expansion of applications is expected in a widespread consumer market; synchronizing with the progress rate in technological innovations such as drone-facilitated last mile delivery for the retail, healthcare and logistics sectors.

To support the mission of Indian government to make India a UAS/Drone hub by 2030, under AatmaNirbhar Bharat Abhiyan, with the estimated market of about USD 5B by 2030; SAEINDIA Aerospace Forum has been organizing AeroTHON every year since 2021. With the astonishing success of the past editions, we are organizing the 4th edition of AeroTHON as AeroTHON2024. As in the earlier editions, this edition too has two phases. The first phase is the design phase where the students design the UAS against the specified requirements and present it to the Jury panel. The shortlisted teams from design phase will be allowed to participate in the second phase of the event. The second phase involves building and flying the UAS in line with the designs presented during the first phase.

SAEINDIA AEROSPACE FORUM

Aerospace Forum is a team of dedicated Industry professionals representing a broad spectrum of knowledge and skills in the aerospace industry who define the strategy and direction of the Forum. Overall objective of the group is "To develop a strong community of interest, leading to a healthy aerospace ecosystem in India". Numerous events and activities have been organized by the Aerospace forum over the last decade.

SAEINDIA team has been collaborating with SAE International for the development of Aerospace Standards. The Indian team is actively involved in in G-31 Electronic Transactions for Aerospace (ETA) Technical Committee, G-34, the Artificial Intelligence in Aviation Committee and HM-1, the Integrated Vehicle Management Committee.

#AeroTHON2024

OBJECTIVES

To inculcate an innovation mindset among the student community in emerging technologies like Uncrewed Aerial System (UAS).

To Incubate and nurture skills and capabilities of aero design in young minds and prepare them for AatmaNirbhar Bharat in critical aerospace technologies.

To provide a platform for Aero-passionate students to demonstrate UAS design expertise.

To help develop the next generation of entrepreneurs.

CONTEST STRUCTURE

The contest has TWO Phases

Phase 1:
Design and Technical Presentation

- Innovative designs presentation from the participating teams
- Designs evaluation by Industry and Academia experts
- Top 20 teams shortlisted for Phase 2

Phase 2:
Final presentation and Flight Test

- Building the Prototype of the UAS per presented design
- Final Technical presentation and Inspection of the prototype built
- Flight Test
- Awards to the winning teams

Important Dates

Key Event	Date
Registration Opened for AeroTHON 2024	Feb 25, 2024
Registration Close	Mar 31, 2024
Phase - 1: Design Report submission by students	Jun 11, 2024 (6:30 PM)
Phase - 1: Presentation submission	Jun 20, 2024
Phase - 1: Students present designs to Judges (Industry and Academia experts)	Jun 22, 2024
Phase - 1: Judges (Industry & Academia Experts) review reports & finalize scores	Jun 26, 2024 – Jun 29, 2024
Phase - 1: Announce winners of Phase - 1	Jul 5, 2024
Phase - 2: Physical Prototype build	July 5, 2024 – Nov 13 , 2024
Phase - 2: Physical UAS inspection (2 PM - 5 PM)	Nov 14, 2024
Phase - 2: Flying Round	Nov 15, 2024 – Nov 16, 2024
Awards Ceremony	Nov 16, 2024

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Sponsorship

Sponsor Category	Sponsorship Value	LOGO Presence				Stall Space at finals Venue	Social Media Posts	Webinar with Students
		Promo Graphics	Venue Branding	Event Collaterals	Prize Plaque			
Title Sponsor	Rs. 4,00,000	Large	Large	Large	Large	18 Sqm	4	4
Co-Sponsor	Rs. 3,00,000	Large	Large	Large	Large	9 Sqm	3	4
Associate Sponsor	Rs. 2,00,000	Medium	Medium	Medium	Medium	6 Sqm	2	2
Supporting Sponsor	Rs. 1,00,000	Small	Small	Small	Small	Table Space	1	0
Start-up Sponsor	Rs. 50,000	Small	Small	Small	Small	Table Space	1	0
Academia Sponsor	Rs. 50,000	Small	Small	Small	Small	Table Space	1	0

Registration Guidelines

- **Registration Fee: Rs. 15,000** + 18% GST per team
- Teams can be formed with a minimum of 5 students and a maximum of 10 students of multiple disciplines with one faculty advisor.
- It is mandatory for participating students to become student members of SAEINDIA. It is encouraged to take up the membership under +1 scheme as membership status continues for one more year after the completion of graduation.
- Though not mandatory, Faculty are encouraged to become a Faculty Member of SAEINDIA and avail the benefits available for the faculty member of SAEINDIA.
- Visit: https://www.saeindia.org/become-a-member/ to sign up for SAEINDIA membership.

Sponsors

Title Sponsor — HEXAGON

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Academia-Sponsor — VIRGINIA TECH

Startup Sponsor — PULLINAM

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VISIT OUR WEBSITE

https://saeindia.org/aerothon2024/
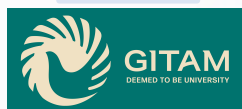
For Sponsorship & Team Registration, Contact

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