



# EDHITHA

## UNMANNED AERIAL SYSTEMS

SPONSORSHIP  
PACKAGE

2023-2024

# ABOUT US

Edhitha UAS is a multidisciplinary student team of RIT. We design, integrate, report on, and demonstrate a UAS capable of autonomous flight and navigation, remote sensing via onboard payload sensors, and execution of a specific set of tasks.



We effectively draw skills from mechanical, electrical and computer science engineering. With over a decade of experience and more than 120 alumni, we have a rich and successful history.

## Vision:

We, at Edhitha, have a vision of escalating the scale of our innovation to make it wide-spread and reachable. The name of our team, “Edhitha” stands for “constant growth in small steps to achieve bigger visions”.



# THE COMPETITION

## SUAS:

SUAS or Student Unmanned Aerial Systems is a competition which is designed to foster interest in Unmanned Aerial Systems.

The competition requires students to design, integrate, report on, and demonstrate a UAS capable of



autonomous flight and navigation remote sensing via onboard



payload sensors, and execution of a specific set of tasks.

With a prize pool of over 16,00,000 INR students from all over the country

## Mission Requirements:

- **Autonomous Flight:** The UAS must take off, fly within boundaries, navigate a series of waypoints, and land.
- **Obstacle Avoidance:** The UAS must avoid other aircraft sharing the airspace through sense-detect-avoid.
- **Object Detection, Classification, Localization:** The UAS takes pictures of a search area, detects objects of interest, classifies their characteristics, and provides a GPS position.
- **Air Delivery:** The UAS autonomously drops a payload object so that it lands undamaged at a target GPS position.

# OUR FLEET

The team has over 42 fixed-wing and multirotor planes. With over 12 years of experience, building and manufacturing the plane, the team is comfortable with any readily available UAS.



**THANOS**



**ANACONDA**



**ALIEN H4**



**SKYWALKER TITAN**



**TBS500**



**DAWON**

**AND 49 MORE AIRCRAFTS.....**

# OUR OUTREACH

The team regularly attends tech fairs, seminars and workshops related to drone technology. The team believes in its publicity and the people who sponsor it and help it move forward.

## International publicity:

SUAS is a competition held in Maryland - USA. The competition attracts people from all corners of the world and students from many major colleges like IIT Bombay, IIT Kharagpur, Cornell University, Harvard, Stanford etc.



## National Publicity

Team Edhitha has appeared in National Media a multitude of times. The team ensures the publicity of its sponsors.





The team was also lucky enough to showcase our work to the Chief Minister of Karnataka . Which was also televised on regional tv.

## Student Publicity:



Run entirely by students, team edhitha has a large social media presence..



The team regularly attends seminars, workshops, and open event days. The team interacts with students from different colleges and of different ages.



Pradarshana was an open event day held in RIT, where students from different corners of the city attend the workshop.

Since we have skilled students, the sponsor can expect interns who can come in and intern for them. In today's world, there is a high requirement for skilled students in the field of UAVs and Team Edhitha would love to intern

# OUR SPONSORS



**VECTOR  
TECHNICS**



**THANGOS**



**HASTIN  
ENERGY**



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[www.edhitha.com](http://www.edhitha.com)



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