

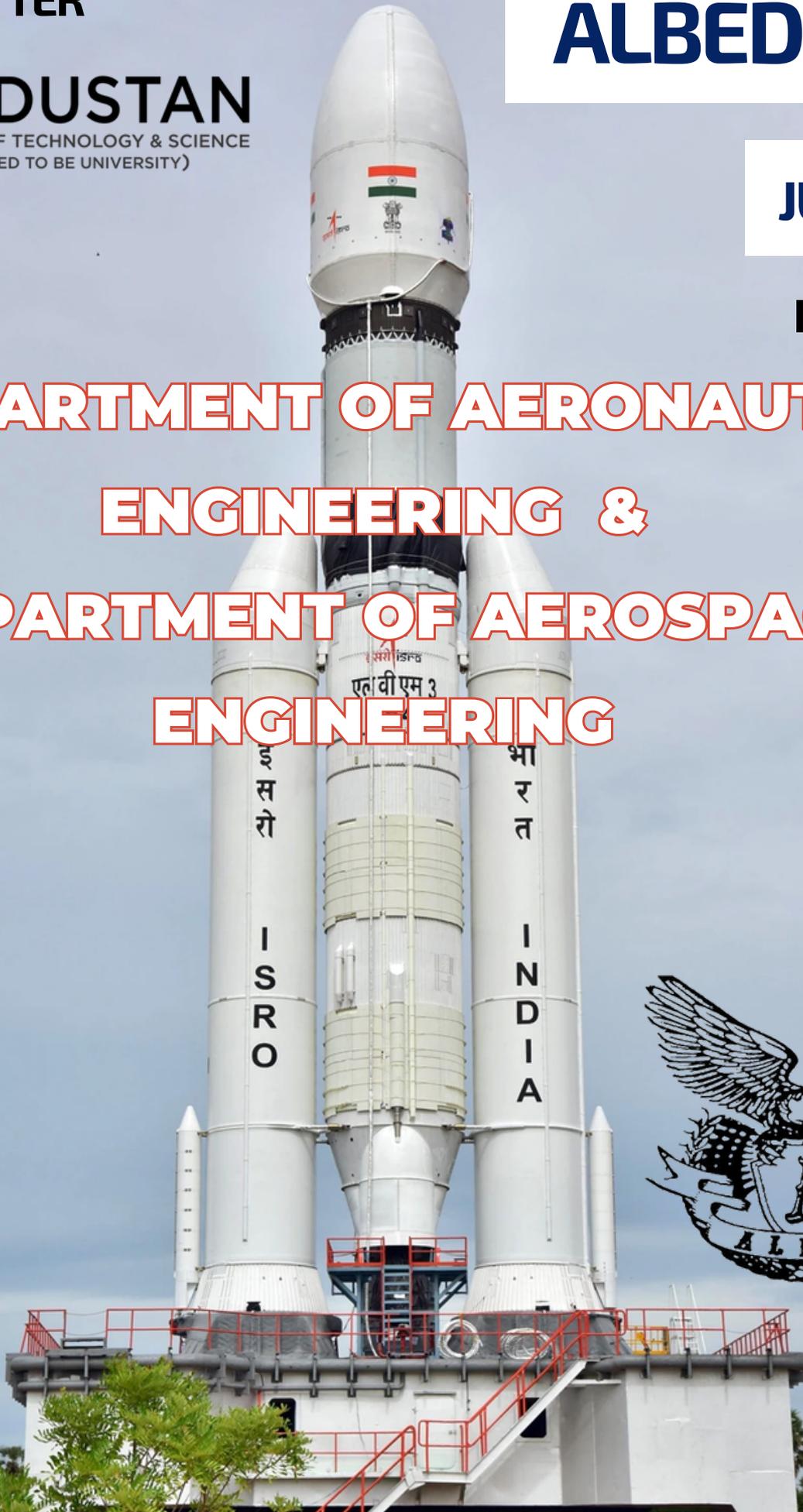
NEWSLETTER

ALBEDO

JULY '23

ISSUE-3

DEPARTMENT OF AERONAUTICAL  
ENGINEERING &  
DEPARTMENT OF AEROSPACE  
ENGINEERING



HINDUSTAN  
INSTITUTE OF TECHNOLOGY & SCIENCE  
(DEEMED TO BE UNIVERSITY)

**DEPARTMENT OF AERONAUTICAL ENGINEERING  
&  
DEPARTMENT OF AEROSPACE ENGINEERING**

**Dean's Message**



Greetings to all!

It gives me immense pleasure and pride that our department is releasing the third issue of its newsletter, "ALBDEO" as a precursor to departmental activities. Our department staff, students and scholars have won many laurels in the academics and extra-curricular activities. Their persistent hard work and commitment towards the progress of the department is highly appreciated. I believe that this newsletter will motivate students to share their creativity and new ideas with the world and will help in their overall development. I sincerely congratulate all the members of the editorial board and the especially the coordinator, Mr. G. Dinesh Kumar & the student editorial members for bringing up this issue in a perfect shape and manner.

**Dr. R. Asokan**  
Dean Aviation

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## Programs Offered

### Undergraduate Program

-  **B.Tech Aeronautical Engineering**
-  **B.Tech Aerospace Engineering**

### Postgraduate Program

-  **M.Tech Aeronautical Engineering with specialization in Aircraft Maintenance & Avionics**
-  **M.Tech Defence Technology**



## EVENTS

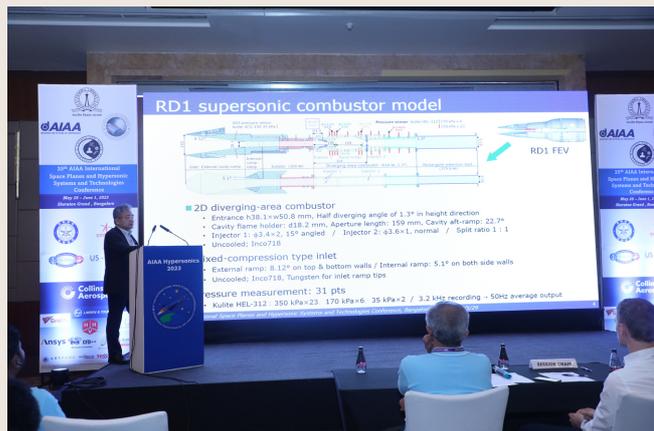


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## ACTIVITIES

**AIAA Hypersonics 20223**

Mr. G. Dinesh Kumar, A.P(S.G) & Dr. G. Balaji, A.P(S.G) attended the 25th AIAA International Space Planes and Hypersonic Systems and Technologies Conference which was organized by American Institute of Aeronautics & Astronautics in association with IISc, Bangalore on 28th May - 1st June 2023 at Sheraton Grand, Bangalore.



# EVENTS

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# ACTIVITIES

## Department of Aeronautical Engineering, HITS adds another aircraft "PIPER SENECA" to its Fleet



**HINDUSTAN**  
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*Department of  
Aeronautical  
&  
Aerospace  
Engineering*



**Live Stream launch  
of mission**

**CHANDRAYAAN - 3**

Date: 14th July 2023 Time: 2:30 P.M Venue : Aero Seminar Hall, HITS

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## EVENTS

ATTENDED

## Anusandhaan Chintan Shivir by DRDO

EVENT DATE: 27 JUNE 2023

'Anusandhaan Chintan Shivir' - A Seminar to Release of Technology Priority Areas for Industry & Academia, organised by DRDO (Defence Research and Development Organisation) on 27th June, 2023.

In this seminar, Defense Research and Development Organization (DRDO) unveiled a comprehensive list of 75 technology priority areas aimed at bolstering the indigenous defence manufacturing sector in India.

**Dr. R. Asokan, Dean Aviation & Dr. Karuppai, Dean SOM** attended this event and had an opportunity to interact with the following persons at DRDO Conference:

- Prof.Swaroop Ganguly, IITB Research Park Foundation, Mumbai
- Dr.ING.C.V.S.Kiran, Lead, R&D and Strategy, Skyroot
- Dr Subrata Rakshit, Director, IIT Delhi
- Col KV Kuber, Director, Aerospace and Defence, tax & Regulatory Services, Ennst & Young LLP, Gurugram, Haryana
- Air Vice Marshal Sanjeev &
- Mr. Arun Ramchandani, DRDO.

## BEYOND THE DEPARTMENT

## Students' Achievements



## THRU YOUR LENS CONTEST'23

## THRU YOUR LENS

Ayyasamy Gunasekaran, B.Tech 2nd year Aeronautical Engineering bagged first prize in Aviation photography contest which was conducted by Department of Aeronautical Engineering, Rajalakshmi Engineering college, Chennai.

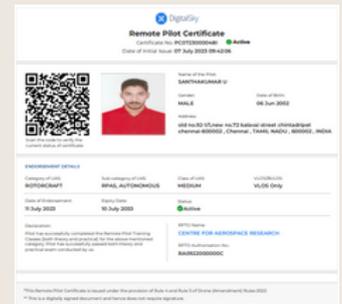


## DRONE TRAINING



## RPTO LICENSE

Sathakumar U, B.Tech , Final year Aeronautical Engineering Completed Remote Pilot Training and received License from DGCA



## NPTEL ONLINE EXAM

- Elite** Desai Niyati Divyeshbhai , B.Tech- Aero, topper of the course Nuclear Astrophysics with elite
- Elite** Navya Sri Gangupam , B.Tech- Aero, topper of the course, Heat Transfer with Elite +silver
- Elite** Vasireddi raviteja B.Tech- Aero, topper of the course, Heat Transfer with Elite
- Elite** Adduru Veda sai Vasanth Naidu B.Tech- Aero, topper of the course, Heat Transfer with Elite

## STAFF ACCOLADES

Mr.G. Dinesh Kumar was honored with a shield for actively participating in AEROTHON'23 (A nation wide Drone Design Competition ) as jury member conducted by SAEINDIA at Global Academy of Technology, Bangalore on 24th June 2023



Mr. S Pragadheswarn & Mrs. Sivagangai receiving participation certificate for the short term course in "Linear & Nonlinear using MATLAB" held at BITS Pilani, Hyderabad from 3rd July - 7th July 2023.



Dr. Raja Joseph, Associate Professor participated in the Five Day International Online Faculty Development Programme on 'Outcome Based Education' conducted by Tamil Nadu Teachers Education University & Dr. M.G.R Educational Research Institute, Faculty of Education & Academic Staff College

Dr. M. Saravanan , Assistant Professor (S.G) chaired as Resource person for two sessions in FDP on Engineering Applications of Machine Learning on the topic :

1. Machine Learning Hands-on Training - 05/07/2023
2. Data Visualization using Tableau - 07/07/2023

# STUDENT ZONE



Photos taken by Pranav Vimal  
B.Tech Aeronautical Engg. (4th Year)



Photos taken by Ayyasamy G  
B.Tech Aeronautical Engg. (2nd Year)



Photos taken by Noumann  
B.Tech Aerospace Engg. (2nd Year)

# STUDENT ZONE



Photos taken by Uplabdh Shykla  
B.Tech Aerospace Engg. (2nd Year)



Photos taken by Prakash Navdeep  
B.Tech Aerospace Engg. (3rd Year)

# STUDENT ZONE



The above picture is of BUTTERFLY NEBULA - The Butterfly Nebula, also known as the Bug Nebula or NGC 6302, is a captivating planetary nebula located roughly 3,800 light-years away in the constellation Scorpius. Its mesmerizing appearance earned it the nickname "Butterfly" due to its symmetrical wings resembling the delicate fluttering of a butterfly's wings. This celestial wonder is the product of a dying star, where intense winds from the star's core collided with expelled outer layers, forming the intricate, intricate structures we witness today. At the nebula's center lies a hot, compact star called a white dwarf, which emits intense ultraviolet radiation, causing the surrounding gas to glow vividly. The Butterfly Nebula serves as a stunning reminder of the awe-inspiring beauty and transformative nature of the cosmos.

The mesmerizing convergence of the butterfly effect and quantum entanglement lies in their profound interconnectedness, where minuscule actions and delicate fluctuations reverberate across vast distances. Just as the fluttering wings of a butterfly in one corner of the world can set in motion a chain of events that reshape the course of existence, quantum entanglement illuminates the entwined nature of particles, defying conventional notions of space and time. Both phenomena speak to the intricate web of interdependence woven into the fabric of our reality, reminding us that the tiniest of actions can unleash profound consequences, and that even in the vast expanse of the cosmos, everything is intimately connected.

Article by Aparajethaa K  
B.Tech Aerospace Engineering (4th year)

**IET** The Institution of Engineering and Technology  
Accredited Programme

**HINDUSTAN**  
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**NBA**

**DEPARTMENT OF AERONAUTICAL ENGINEERING  
&  
DEPARTMENT OF AEROSPACE ENGINEERING**

*Congratulations*

for all the **44** students who joined Top Universities for the year **2023-2024**

 Ms. Chandana Gayathri Master in Aerospace Engineering, Embry-Riddle Aeronautical University, USA	 Mr. Prince Bharat, Master in Airtransport Management , University of Surrey, UK
 Mr. Kota Balaji Master in Aerospace Engineering, Florida Institute of Technology, USA	 Mr. Sridharan Master in Aerospace Engineering, University of Sheffield, UK
 Mr. Aswin Anand Master in Airtransport Management , Cranfield University, UK	 Mr. Chebrolu Sai Senhit Master in Aerospace Engineering, ENAC, France
 Mr. Yaswanth C Master in Airtransport Management Confederation College , Canada	 Mr. Gajula Phanindra Master in Computer Science Engineering, Saint Louis University, USA
 Mr. Saveer Yogita Master in Aerospace Engineering University of Washington , USA	 Ms. Remya Nair Master in Aerospace Engineering University of Cincinnati, USA
 Ms. Patel Diya J Master in Aerospace Engineering Concordia University , Canada	 Mr. Varanasi Krishna Master in Astrophysics Queens Mary University of London , UK
 Mr. Swaraj Bhosale Master in Earth Oriented Space Technology, TUM , Munich Germany	 Ms. Aparna Ravi Master in Advanced Aerospace Engg. University of Liverpool, UK

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## Upcoming Events

1. WINGS'23 - Dr. A.P.J. Abdul Kalam Memorial Day & International Asteroid Day
2. International Conference on Airborne Autonomous Systems -ICAAS'23
3. ALBEDO'23 - National Technical Symposium

**For Admissions 2022-23**  
**Apply online: <https://apply.hindustanuniv.ac.in/>**

## Editorial Team



**Mr. G. Dinesh Kumar**  
Assistant Professor (S.G) &  
Department Editorial Coordinator  
Department of Aeronautical Engineering



**Dr. Prem Shankar Pandey**  
Assistant Professor (S.G) &  
Technical Editor  
Department of Languages

## Student Editors



**Ms. Priyanka Mishra (7th Sem)**  
B.Tech Aeronautical Engineering



**Mr. Nithish R (5th Sem)**  
B.Tech Aerospace Engineering

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## Contact us :

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