



AERO EPISTLE



Volume 20



MAY 2023



EDITORIAL BOARD

CHIEF EDITOR:

Dr.V.T.Gopinathan, HoD /Aero

Co - EDITOR:

Mr.R.Veeramanikandan, Assistant Professor /
Aero

STUDENT EDITORS

Suhail ahmed S - (19101063)

Vishnu G - (20101063)

ABOUT HiCET



Hindusthan College of Engineering and Technology (HiCET) Coimbatore, established in the year 2000 by the great Industrialist and Philanthropist, Thiru.T.S.R.Khannaiyann of Hindusthan Educational Trust whose determination and dynamism made possible the realization of this institution of excellence. Surrounded with nature's pristine beauty and an excellent infrastructure coupled with dedicated and experienced faculty has made the campus a much sought-after abode of learning. HiCET is one of the premier technological institutions inculcating quality and value based education through innovative teaching learning process for holistic development of the Students. The institution is recognized under Section 2(f) and 12B of University Grants Commission (UGC) and is an autonomous institution affiliated to Anna University, Chennai with permanent affiliation for most of the programs, approved by the AICTE and the Government of India. Accredited by the National Assessment and Accreditation Council (NAAC) with 'A' grade, National Board of Accreditation (NBA).

HiCET conducts seminars and also invites companies to give presentations that will help our students to choose a right career for themselves and has hence contributed to the industry by successfully delivering fresh recruits who have contributed continuously to the growth of the industry by being a part of the top-notch organizations. For all these reasons HiCET has been a preferred institute for recruiting young minds.

Quality Policy

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About the Department of Aeronautical Engineering



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Department Vision

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M1: To nurture the students technically based on current trends and opportunities in the global Aerospace industry.

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Program Educational Objectives (PEOs)

PEO 1: Graduates shall exhibit their sound theoretical, and practical knowledge with skills for successful employment, advanced education, research, and entrepreneurial endeavors.

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PO3	Design/development of solutions	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Conduct investigations of complex problems	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Modern tool usage	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6	The engineer and society	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice
PO7	Environment and sustainability	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics	Apply ethical principles and commit to professional ethics, responsibilities, and norms of the engineering practice.
PO9	Individual and team work	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	Communication	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	Project management and finance	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments
PO12	Life-long learning	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Two days' workshop on Non Destructive Testing

In association with IEI students' Chapter. (02/03/2023 & 03/02/2023)

Objective:

NDT is a highly effective way to detect the very smallest of imperfections or damage in aerospace materials or components throughout their operational life, without materially affecting the integrity of the item being tested. Students gained knowledge through Hands on Training in Different NDT methods.

Outcome:

Students trained in various techniques related to Non Destructive testing.



Seminar on “Intellectual Property Rights” at (09/02/2023)

Name and Designation of Resource Person(s) :

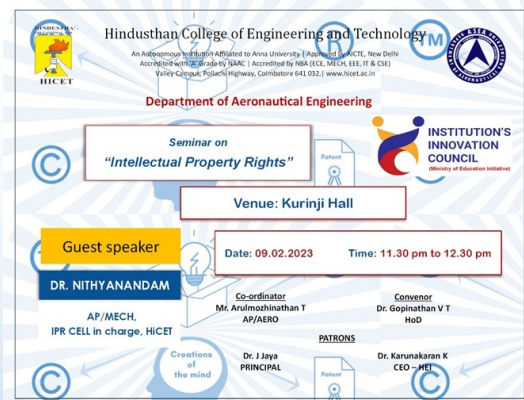
Dr. Nithyanandam,
AP/MECH, IPR CELL in charge,
Hindusthan College of Engineering and
Technology, Coimbatore

Outcome :

- ◆ Students became aware of Intellectual Property Rights.
- ◆ Faculty and students were sensitised on role of IPR in various spheres of life.
- ◆ Methodology for filing patent.
- ◆ Importance on copy rights.
- ◆ Importance of Patents.

Remarks and Feedback on the Event :

- ◆ The event was crisp and precise to the point.
- ◆ Eye opener in regards to innovative research and protecting it.



Seminar on Entrepreneurship, Design Thinking, Critical Thinking and Innovation Thinking – IIC Activity

Outcome:

Students understood ,

- ◆ The concepts that drive design thinking.
- ◆ Project ideas around user innovations.
- ◆ Identify customer needs and user groups.
- ◆ Translate needs into product specifications.
- ◆ Creating a prototype.

Venue and date : Ganga Hall, HiCET & 27/02/2023.



First Aid and CPR Training on 27/04/2023

Name and Designation of Resource Person(s):

Mr. Venkat , Alert NGO, Coimbatore.

Outcome:

Students will be:

- ◆ Able to provide appropriate treatment for preserving life.
- ◆ Able to minimise the consequences of injury until the arrival of medical assistance.



Shockaeronz 2023 on 11th APRIL

Outcome:

- ◆ Students has exhibited their technical expertise.
- ◆ Students has presented research topics in paper presentations.



Seminar on career opportunities in Airlines and Airports

Name and Designation of Resource Person(s):

Mr. Santhosh Kannan - Director, HAPS Aviation Academy, Coimbatore.

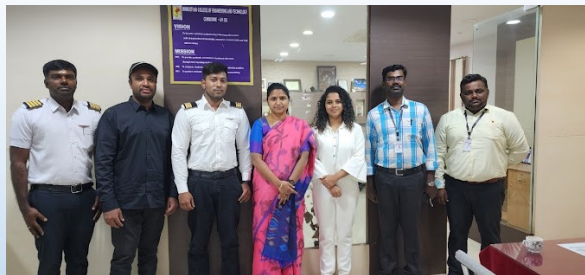
Objective:

To Create Awareness about job opportunities available in Airlines and Airports and skills expected from graduates.

Remarks and Feedback on the Event:

Students requested more such seminars regarding Placement.

Venue & date : CSE Hall & 09th DEC 2022.



FACULTY ACHIVEMENTS

S.NO	EVENTS	COUNT
01	Workshop	03
02	Coursera	01
03	FDP	23
04	STTP	04
05	NPTEL	07

PLACEMENT DETAILS

REG NO.	NAME	COMPANY
18101054	PRAKAAS M	Collins Aerospace
18101079	SITTHESHWARAN S	Collins Aerospace
18101095	YUVARAJ R	Collins Aerospace
18101075	SHAHANAS P N	Airworks India Engineering Pvt. Ltd.
18101046	MUTHUMARI M	Indian Army
18101003	AKASH S P	NeoSky India Limited
18101037	KRISHNA KUMAR M S	NeoSky India Limited

NOTABLE ACHIEVEMENTS

Name Reg.No Year of Study	Name of the Event	Organization	Date	Award/ Prize
Dheepakraj S 19101018 IV Aero A	1 st International Conference on Innovative Trends in Engi- neering and Sci- ences	Bannari Amman Institute of Technol- ogy, Coimbatore	08.11.20 22	Best Paper Award
Vishva V 19101075 IV Aero B				
Viswaas B 19101076 IV Aero B				
Gowtham S 19101802 IV Aero A				
Chinnatham- bi 20101021 III Aero A	Athletics (4*400 relay)	Interzone Anna university Kongunadu College of Engineering and Technolgy, Tirchy	17.12.20 22	Third
	Athletics 800 m		18.12.20 22	Third
	Rotary Mara- than (5K)	SDAT Stadium, Dindigal	11.02.20 23	First
	Rotary Mara- than (8K)		11.02.20 23	Sixth
	Centies Tropy	Bannari Amman Institute of Technol- ogy	01.03.20 23- 03.03.20 23	First
	Athletics (800 m)	Zonal Anna University, Sri Krishna College of Technology, Coimbatore	28.11.20 22	First
	Athletics (1500 m)		30.11.20 22	First
	Athletics (4*400 relay)		30.11.20 22	First
Praveen P 20101046 III Aero B	Athletics (200 m)	Zonal Anna University, Sri Krishna College of Technology, Coimbatore	28.11.20 22	First
	Athletics (4 * 100 m)		30.11.20 22	First
	Athletics	Covai Ties Coimbatore Institute of Technology	27.02.20 23- 28.02.20 23	First
	Athletics (4*400 relay)	Interzone Anna university Kongunadu College of Engineering and Technolgy, Tirchy	17.12.20 22	Third
	Athletics 800 m		18.12.20 22	Third
	Centies Tropy	Sengunthar College of Engineer- ing , Erode		First

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S No.	Firm Name	Date
01	HAPS AVIATION ACADEMY, COIMBATORE	25.01.2023





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NOV 2022



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Faculty Awareness Program on AR and VR

Objective:

To create awareness on usage of AR and VR as a teaching tool.

Outcome:

Faculty and students understood the possibility of AR and VR usage in Teaching.

Remarks and Feedback on the Event:

All the attributes required for an effective research is delivered in the event.

Venue & Date : CAD Lab & 04/08/2022.



One day Workshop on CFD on 26/08/2022

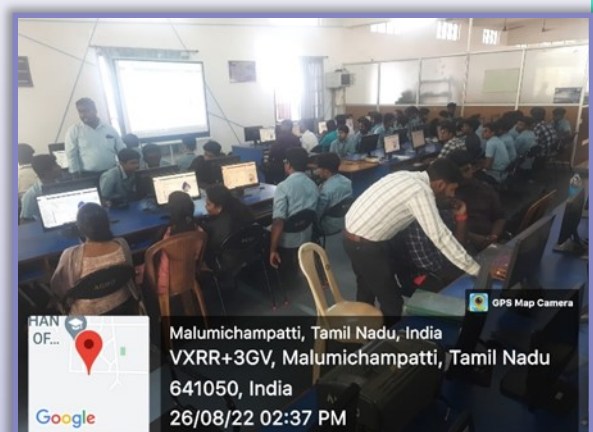
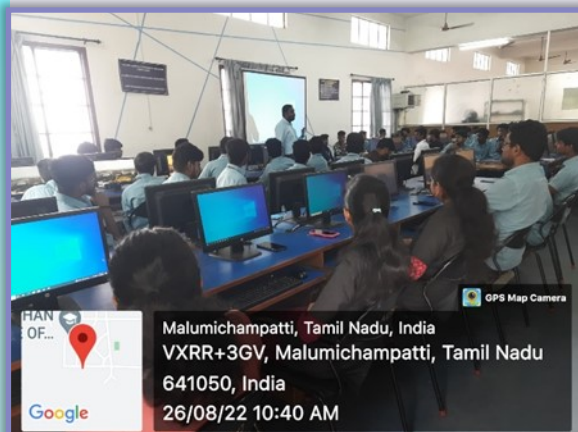
Name and Designation of Resource Person(s):

Mr. J.Abdullah – Chief Technical Officer, Coimbatore CAD Solution Pvt. Ltd.

Outcome:

- Provide the student with a significant level of experience in the use of modern CFD software.
- Students were know the advantages of CFD with related to subjects like Aerodynamics and Propulsion.

Hands on training was given for some analytical concepts related to theoretical subjects.



SKILL UP KNOW HOW TO GET PLACED IN AVIATION WITH YOUR AERO-NAUTICS

Name and Designation of Resource Person(s):

Er . Jaikishore Subramanian,
Network Planning Specialist,
Jazeera Airways,
Kuwait.

Outcome:

To know the various opportunities in AVIATION and AERO Industry, To understand the Scope of Aeronautics.

Date: 23/08/2022.



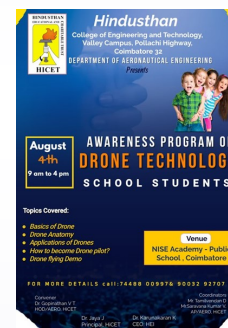
Awareness program on Drone Technology to school students on 04th august

Name and Designation of Resource Person(s):

1.Mr. Swaminathan,

Zonal Manager, De Drone World solutions Pvt. Ltd

2. Mr. Vasupathi, Drone Pilot, DE Drone world solutions Pvt. Ltd.



Outcome:

1. Able to learn the drone anatomy.
2. Able to learn the drone specifications and classifications.
3. Simulator training.
4. Drone applications.



Awareness program on UAV to Govt ITI students and Coimbatore trade pilot students.

Objective:To Create an insight about UAV.

Outcome: Students trained in basic drone operation, Assembly and 3D Printing .

Venue & date : UAV Lab & 07/09/2022.



Seminar on “Awareness about Usage of Mobile Application & Internet” for Non-teaching Staff Members at 25/08/2022

Name and Designation of Resource Person(s):

Mr.Veeramanikandan R, Assistant Professor, Aeronautical Department, HiCET

Mr. Saravanan R, Assistant Professor, Aeronautical Department, HiCET

Mr. Arulmozhinathan T, Assistant Professor, Aeronautical Department, HiCET

Outcome:

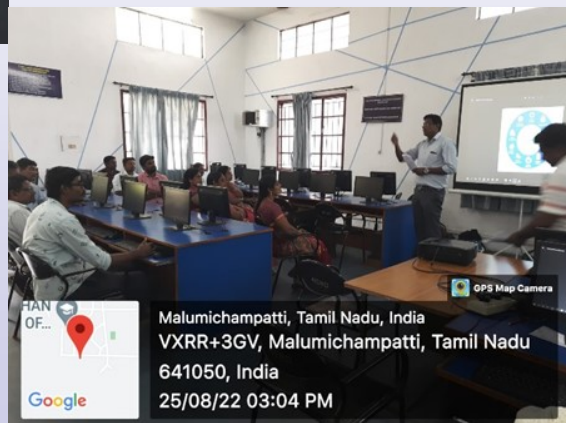
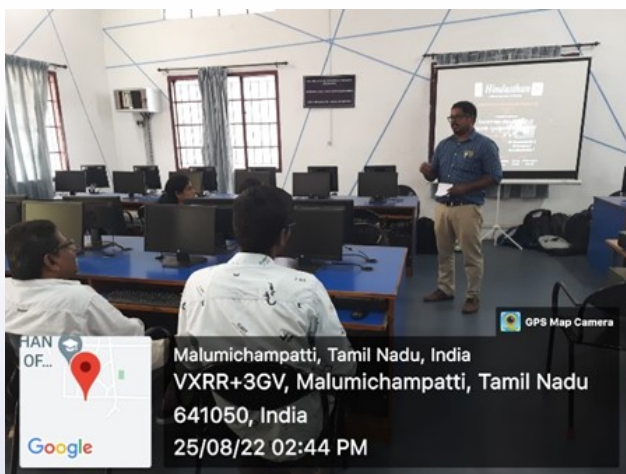
Faculties were aware about the usage of payment apps used in their mobiles.

Aware about the risks in accepting / allowing access to the mobile application.

Given awareness about usage of the government websites for their own purposes.

Remarks and Feedback on the Event:

Good.



NOTABLE ACHIEVEMENTS

S.NO	Reg.No	Name of the student	Year of Study	Name of the Event	Organization	Date	Award/Prize
1	19101067	Thendral D	IV Aero B	Social Service	53 RD NSS Day Program	24.09.2022	Award
				Social Service	KANBAN VIZHA 2022	19.09.2022	Award (President of Kanban Kalamgam Mr.P.S.Nadesan)
				Social Service Activity	Award from Salam District Superintendent of Police	11.09.2022	Award
				Volunteer Service Activity	Appreciation from Member of Legislative Mr.M.Senthil Kumar Kallakurichi Dt.	15.07.2022	Award
				Best Public Activity	Lions Club	08.09.2022	Award
2	20101021	Chinnathambi S	III Aero A	Athletics	Inter senior Athletics Championship Tamilnadu TNPESU Grand Chennai	12.08.2022-13.08.2022	Participated
				Athletics	Tamilnadu Cross Country VOC Stadium ,Tirunelveli	10.10.2022-11.10.2022	Participated

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S.NO.	Firm Name	Date	Academic Year
01	Unitos Aero Solutions, Salem	18.05.2022	2021-2022



PLACEMENT DETAILS

REG NO.	NAME	COMPANY
18101061	RAJALAKSHMI S	Tunga Aerospace Industries Pvt. limited
18101008	ASLAM M	Marvel Geospatial Solutions Pvt. Ltd.
18101015	BHAVANI SAI SUJITH V	Marvel Geospatial Solutions Pvt. Ltd.
18101024	HARISH P	Marvel Geospatial Solutions Pvt. Ltd.
18101056	PRAVEEN KUMAR N	Titan Company Limited
18101801	JAI PREETHAM M	Titan Company Limited
18101802	KARTHICK M	BYJU'S
18101808	YUVARAJ G	BYJU'S
18101032	KALAIKOVAN M	S&T Machine Tools Pvt. Limited (Vel machines)
18101033	KARTHICK V	S&T Machine Tools Pvt. Limited (Vel machines)
18101039	MAHALAKSHMI A	Collins Aerospace
18101043	MOHAMED JAVEETH A	S&T Machine Tools Pvt. Limited (Vel machines)
18101069	SANTHINI M	Collins Aerospace
18101082	SUBASH CHANDRA BOSE M	S&T Machine Tools Pvt. Limited (Vel machines)
18101807	USMAN ALI S A	Collins Aerospace
18101041	MANUSH MARAN S	Tamilnadu Unmanned Aerial Vehicles Corporation
18101084	SUNDARESWARAN E	Teslead Equipments Pvt. Ltd
18101031	K ANAGHA UDHAYKUMAR	Six Phrase
18101044	MOHAMMED YASER ARAFATH S	Six Phrase
18101051	NITHYASHREE S	Six Phrase
18101057	PRAVEEN T	Six Phrase
18101029	JOEMON T MANOJ	Ultramain Software India Pvt. Limited
18101074	SETHURITHIK V	Ultramain Software India Pvt. Limited
18101605	VIGNESH S	Ultramain Software India Pvt. Limited
18101023	GURUPRASHANT M	ZOHO Corporation
18101019	DHANUSH S A	Collins Aerospace
18101026	HASTA VIKRAM P	Collins Aerospace
18101012	BALAJI S	Cognizant Technology Solutions
18101016	CHANDRALEKA G K	Cognizant Technology Solutions
18101018	DEVIKA JAYARAJ	Cognizant Technology Solutions
18101027	HENRY J	ZOHO Corporation
18101058	PREETHI R	Wipro Limited
18101072	SASIHARAN P	Wipro Limited
18101049	NAVEEN VP	Flyers Drone Tech
18101071	SANTHOSH S	Flyers Drone Tech
18101078	SHYAM MOHAN K	Flyers Drone Tech
18101092	VISHNU SRINIVASAN S	Flyers Drone Tech
18101094	YOGA PRAKASH M	Flyers Drone Tech

