



AERO EPISTLE



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Volume 18



MAY 2022

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 programmes, 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

Hindusthan College of Engineering and Technology aims at providing the best education which will mould the students as the right characters, who will cater to the needs of the society. While providing the various inputs for the best education, Hindusthan College of Engineering and Technology will constantly thrive upon continual improvement with the utmost commitment for the complete satisfaction of the customer.

About the Department of Aeronautical Engineering



The Department of Aeronautical Engineering was established in the year 2005 and now headed by Dr.V.T.Gopinathan. The Department also inaugurated the Aeronautical Students' Engineering Association (ASEA) in March 2008. The Department is directed by a dedicated team of teaching and non-teaching staff with a wide range of experience, and it has well-equipped laboratories and good infrastructure to support the autonomous curricular needs. Until now, the department has been in the forefront of advancing aeronautical education and indigenous research in the field of aeronautics. The department has received numerous funds under different schemes for various projects. On the year 2018 the UAV lab and UAV club was established to invent and support the UAV sector.

Department Vision

To be a global player and prepare the students with knowledge, skills, and ethics for their successful deployment in Aeronautical engineering.

Department Mission

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

M2:To develop the students as innovative engineers to address the contemporary issues in the aeronautical field.

M3:To inculcate professional and social responsibility based on an innate ethical value system.

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.

PEO 2: Graduates shall establish deep-rooted mastering abilities, professional ethics, and communication alongside business capabilities and initiatives through lifelong learning experiences.

PEO 3: Graduates shall become leaders and innovators by devising engineering solutions for social issues in care of modern society.

Program Specific Outcomes (PSOs)

The graduates will be able to:

PSO 1:Apply the knowledge of aerodynamics, structures, propulsion, avionics, and aircraft maintenance to give solutions for complex engineering problems.

PSO 2:Use progressive methodology and tools involving design, analyze, and experiment in aircraft design.

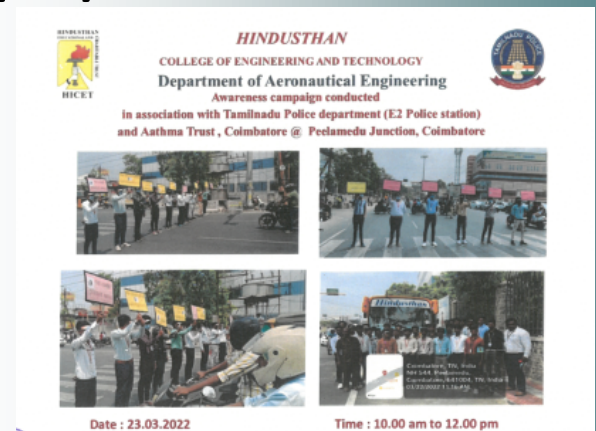
Program objectives (PO)

PO1	Engineering knowledge	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	Problem analysis	Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
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.

Public awareness program on 22/03/2022

The outcome of the event is a wareness on regarding COVID and importance of following traffic rules was creat-ed to public and students.

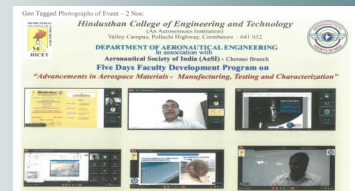
Remarks and Feedback on the Event is Inspector of Peelamedu Station wished the students and participated the campaign, Students awarens campaign was appreciated by public, Aathma Trust volunteers appreciated the students involvement in the awarens campaign.



Advancements in aerospace material : manufacturing, testing and characterization on 24&28 of JAN

Outcome :

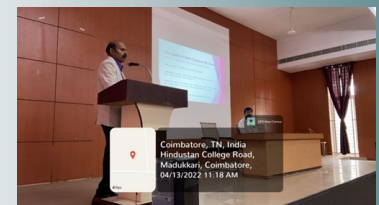
- 1.Participants have gained lot of information about recent advancements in materials science.
- 2.The host department was able to establish contact with professors and re-searchers all around the country and world.
- 3.Participants were able to understand the recent research works in the areas of composites, Shape memory alloys, 3DPrinting, and material testing etc.
- 4.The speakers have extended their support to the organizers in collaborative research and assured for long term association.



Entrepreneurship Development - Opportunities & Challenges on 13/04/2022

Outcome :

- ◆ Students became aware of opportunity in aviation entrepreneurship.
- ◆ The workshops to be conducted in colleges to support the students to be an entrepreneur was discussed.
- ◆ Influence of day to day challenges in social life to become an entrepreneur was shared by the speaker



Short term training "UAV and its applications" on 01 to 06 April

Name and Designation of Resource Person :

Saravana Kumar V ,
Assistant Professor,
UAV Club Coordinator,
Department of Aeronautical Engineering, HiCET.

Outcome:

Participants gained hands on knowledge about basic components required to build a Drones and Its applications in various fields.

Remarks and Feedback on the Event:

Participants requested for more such program on Coding.



Gender equity & culture on 20th DEC

Name and Designation of Resource Person(s):

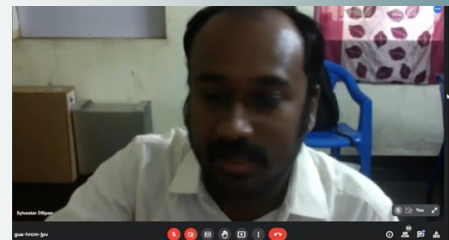
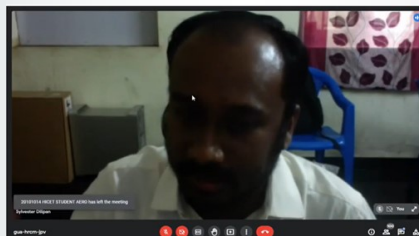
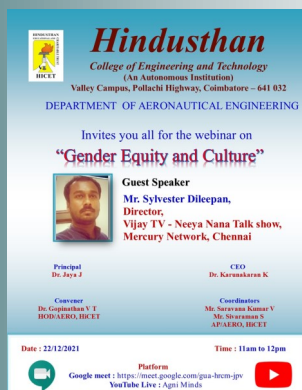
Mr. Sylvester Dileepan, Director, Vijay TV- Neeya Nana Talk Show, Mercury Network, Chennai.

Outcome:

The creation of an enabling social environment by addressing the ideology and cultural constructs that create hierarchies within gender relations.

Remarks and Feedback on the Event:

Participants are interested to understand more on this topic.



Career path in aircraft maintenance industry after engineering degree on 1st march

Name and Designation of Resource Person(s):

Mr.Thangapillai Kannan, Senior Maintenance Programs Engineer, Qatar Airways

Outcome:

Participants came to know that they can pursue careers as licensed aircraft maintenance engineers (LAMEs), responsible for inspecting, repairing, and maintaining aircraft to ensure safety and compliance with aviation regulations. They can further specialize in specific aircraft types or systems, leading to opportunities in management, quality control, and aviation consulting.

Remarks and Feedback on the Event:

Good, Participants requested for more such program.



PLACEMENT DETAILS

REG NO.	NAME OF THE STUDENT	EMPLOYEE NAME
18101022	GOWTHAM S	Cognizant Technology Solutions
18101053	PAVITHRA N	Cognizant Technology Solutions
18101081	SRISHARADEVI K	Wipro Limited
18101806	SUDHARSHAN RAO S	Six Phrase
18101080	SRI BALAJI S	Cognizant Technology Solutions
18101005	ARAVINTH KUMAR S	Cognizant Technology Solutions
18101060	RAJA SEKARAN B	Expanse Aerospace
18101065	SABARISH C	Expanse Aerospace
18101073	SELVARASU R	Expanse Aerospace
18101083	SUDHARSAN S	Bosch Power Tools
18101089	VENKATESH K	Bosch Power Tools
18101090	VIGNESHWARAN S	Expanse Aerospace
18101011	BALAJI M	Unitos Aero Drone Solutions
18101013	BANUPRIYA N	Unitos Aero Drone Solutions
18101047	NAGAPANDIYAN R	Titan Company Limited
18101052	NUWULA YESHASWI NARAYANA	Unitos Aero Drone Solutions
18101067	SANGARALINGAM N	Unitos Aero Drone Solutions
18101062	RAJKUMAR K	Capgemini Technology Services India Limited
18101085	SUNIL SARAVANAN J	Capgemini Technology Services India Limited
18101038	LAVANYA R	Concentrix IT service
18101087	SUVITHA S	Infosys Limited
18101076	SHARUSRI K	Infosys Limited
18101066	SAHIM NISHBAN S	Infosys Limited
18101068	SANJAYAN M A	Infosys Limited
18101701	VISALATCHI M	Infosys Limited

MOU

S NO.	Firm Name	Date
01	MaxCadd, Coimbatore	26.11.2021
02	Sky Aerospace , Bengaluru	30.04.2022



FACULTY ACHIVEMENTS

S.no	Events	Count
1	Workshop	06
2	Coursera	05
3	FDP	73
4	STTP	08

