

MESSAGE FROM THE CHAIRMAN



Founder & Chairman

I am extremely happy to know that the Department of Mechanical Engineering is bringing out their college magazine during this year 2021-22

In addition to the numerous achievements of the Department this is yet another mile stone in their curricular and co-curricular activities. I hope the magazine will bring creative talents of the students of the Department.

I wish them all success.

MESSAGE FROM THE SECRETARY



We are all proud that Department of Mechanical Engineering has enriched the lives and lifestyles of more than a thousand students. We can humbly claim to have added to the professionalism of the hospitality industry in these years and will continue to do so in the years ahead. I take this opportunity to congratulate the HDD Mr. K. Siva and her team for their commitment towards value based quality teaching and unstinted efforts put in to ensure that each student is cared for in the college.

I wish you all happiness in your lives...

MESSAGE FROM THE PRINCIPAL



It was quite inspiring to watch and witness the potential of Mechanical engineering students unfolding at various stages and situations each day. Trying and testing times during the hectic semester system have elected our students to put forth their best. The management and the staff have been supportive of the various activities that were undertaken by the students in view of helping them reach the pinnacle of perfection and professionalism in whatever task they took on, thus strengthen our "journey of achieving excellence" The Mechanical Department magazine exemplifies the voyage transverse and exhibits the literary skills of our students.

Congratulations to the editorial team for their determined efforts in bringing out this magazine.

MESSAGE FROM THE HOD



Warm and Green Greetings from the Department of Mechanical Engineering at HICET. Mechanical Engineering is a professional Core engineering discipline that deals with the design, production and maintenance of any produce of any industry. The pride of every student and staff would be in his/her department and college.

We are striving hard continuously to improve upon the quality of education and to maintain its position of leadership in engineering and technology. We always work with the motto "Nothing can be achieved without genuine effort." The core values of the department help the students to develop their overall personality and make them worthy to compete and work at global level.

"Welcome to this world of Machines"

DEPARTMENT OF MECHANICAL ENGINEERING

Was started in the year 2000 by the great industrialist and philanthropist, Thiru.T.S.R.Khannaiyan. The primary objective of the Hindusthan College of Engineering & Technology is to educate and prepare men and women for leadership in industry, government, and educational institutions; to advance the knowledge base of the engineering professions; and to influence the future directions of engineering education and practice.

The College has well furnished classrooms, state-of- the-art laboratories, computer centers and a well-stocked library. Separate Hostels with all the modern amenities are provided for men and women. The campus consists of lush green lawns, a playground and also facilities for indoor games. A fleet of vehicles caters to the transport needs.

HICET believes not only in educating the students, but also grooming characters, with moral and ethical values, thus building the nation. Since its inception, the college has been providing world-class facilities & infrastructure in education and learning. The emphasis is on transformational leadership rather than directional leadership. The aim is to establish new trends, introduce innovative training methodologies, and thus guide students towards the road to success.

The educational programs in the college emphasize the understanding of fundamental principles and prepare an individual for a lifetime of learning and professional growth. The College offers 6 undergraduate and 3 post graduate courses as detailed below:



The mission of the Department of Mechanical Engineering is to produce mechanical engineering graduates who will possess the acumen, competence, and skills needed to enter, succeed, and lead in professional practice or post-graduate studies. The goal is to provide learning and nurturing environment that stimulates faculty and students to collaborate in solving practical problems, motivates lifelong learning, and helps reach their highest potential.

Mechanical Engineering is one of the most creative, broadest and most versatile of the engineering professions. Mechanical Engineers have initiated and implemented commendable progress in innovative areas like robotics, bio-engineering, microprocessor control, energy conversion, energy management, fluid dynamics, power production, manufacturing, computer-aided design, machine design, and material science. Collectively, the faculty has practical experience, solving real problems in these areas and with this experience they help students develop as transformational leaders.

The Department of Mechanical Engineering offers one program of undergraduate study. The traditional program leads to a Bachelor's Degree in Mechanical Engineering, which is a more structured program that prepares students for a broader range of career options in the field of mechanical engineering and is intended for students whose career objectives require greater flexibility in order to combine the essential elements of the traditional mechanical engineering program with study in another, complementary field.

VISION OF THE DEPARTMENT

To provide quality technical education in Mechanical Engineering and build holistic professionals who can excel in the engineering establishments and serve for the country with ethical values.

MISSION OF THE DEPARTMENT

M1: To prepare graduates with good technical skills and knowledge.

M2: To prepare graduates with life-long learning skills to meet the requirements in the higher education and in society.

M3: To prepare graduates as a successful entrepreneur with employment skills, ethics and human values.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO 1: Graduates able to apply technical expertise and skills to face the Industrial challenges.

PEO 2: Graduates able to design create and innovate economically, environment-friendly and technically feasible products with social acceptance.

PEO 3: Graduates able to exhibit professionalism in their profession with good communication, ethics and entrepreneurship skills to meet the social challenges.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO 1: Able to design, analyze and apply knowledge in complex mechanical engineering problems with time effective solutions.

PSO 2: Able to understand the relevance of engineering practices for societal requirements and become a multi faceted leader.

PROGRAM OUTCOMES (POS)

1	Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
2	Problem Analysis: Analyze the complex engineering problems and give solutions related to chemical & allied industries.
3	Design/ development of solutions: Identify the chemical engineering problems, design and formulate solutions to solve both industrial & social related problems.
4	Conduct investigations of complex problems: Design & conduct experiments, analyze and interpret the resulting data to solve Chemical Engineering problems.
5	Modern tool usage: Apply appropriate techniques, resources and modern engineering & IT tools for the design, modeling, simulation and analysis studies.
6	The engineer and society: Assess societal, health, safety, legal and cultural issues and their consequent responsibilities relevant to professional engineering practice.
7	Environment and sustainability: Understand the relationship between society, environment and work towards sustainable development.
8	Ethics: Understand their professional and ethical responsibility and enhance their commitment towards best engineering practices.
9	Individual and team work: Function effectively as a member or a leader in diverse teams, and be competent to carry out multidisciplinary tasks.
10	Communication: Communicate effectively in both verbal & non-verbal and able to comprehend & write effective reports.
11	Project management and finance: Understand the engineering and management principles to manage the multidisciplinary projects in whatsoever position they are employed.
12	Life-long learning: Recognize the need of self education and life-long learning process in order to keep abreast with the ongoing developments in the field of engineering.

THE EDITORIAL BOARD

STAFF IN CHARGES

Mr.A.NAZEER AHAMED

Mr.P.JOHN BRITTO

EDITORIAL TEAM

Mr. K. Balachandar

Mr. R.Sakthi

IV MECH

DESIGN TEAM

Mr. C. Naveen

Mr. T.Santhosh

III MECH

STUDENT ACTIVITIES



HINDUSTHAN
College of Engineering and Technology
An Autonomous Institution
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai,
Accredited with 'A' Grade by NAAC and NBA, Coimbatore - 641032.

Department of Mechanical Engineering

Organizes
IIC - SELF DRIVEN ACTIVITY
WEBINAR
on
"Entrepreneurship Awareness"

RESOURCE PERSON
Ms. N. Rajarajeswari,
Director, Power IAS Academy,
Erode.

JANUARY 27, 2022 @ 10.30 AM

Join us on
<https://meet.google.com/zad-ivry-kdd>

Faculty Coordinator
Dr. P. Jeyalakshmi
Mr. K. Sivakumar
Mr. P. John Britto

Convenor
Dr. K. Silva

Principal
Dr. J. Jaya

CEO
Dr. K. Karunakaran

Registration Free!

Scan to Register

Click to Register
<https://forms.gle/8me6w8Aoj3rnH8B8>

Contact
9789721297 ; 9894486282 ; 9843626060



HINDUSTHAN
College of Engineering and Technology
An Autonomous Institution
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai,
Accredited with 'A' Grade by NAAC and NBA, Coimbatore - 641032.

Department of Mechanical Engineering

organizes
NATIONAL ONLINE SHORT TERM
TRAINING PROGRAMME
on
ENTREPRENEURSHIP SKILL DEVELOPMENT
(a journey to be an successful entrepreneur)

FEBRUARY 21 - 25, 2022

Resource Persons

Skills for an Entrepreneur
Ms. N. Rajarajeswari,
Director, Power IAS Academy,
Erode.
Feb. 21, 2022 @ 10.30 AM

Positive Mental Attitude
Mr. S. T. Sivakumar,
Soft Skills Trainer,
Perundurai.
Feb. 22, 2022 @ 10.30 AM

Government Schemes for Entrepreneurs
Mr. S. Karthigeswari,
General Manager,
District Industries Centre (DIC),
Coimbatore.
Feb. 23, 2022 @ 10.30 AM

Marketing & Positioning your Products
Mr. P. Thangaiyal Pandian,
Director, Vision 20 Plus & Leadership Coach,
Sivakasi.
Feb. 24, 2022 @ 10.30 AM

Entrepreneurship, Growth and Competitiveness
Mr. A. Hussain Ahmed,
Managing Director,
Cheran Academy, Coimbatore.
Feb. 25, 2022 @ 10.30 AM

Feb. 25, 2022 @ 11.30 AM (HICT - Alumni Entrepreneur's will be sharing their experience)

Faculty Coordinators
Mr. P. John Britto
Assistant Professor

Mr. K. Sivakumar
Assistant Professor

Convenor
Dr. K. Silva

Patron
Dr. J. Jaya

Principal
Dr. K. Karunakaran

Chief Executive Officer

Registration Free!

Click to Register
<https://forms.gle/8me6w8Aoj3rnH8B8>

Contact
9789721297 ; 9894486282 ; 9843626060

E-CERTIFICATE
will be provided by
for all the active
participants.

IIC-Self Driven Activity webinar on Entrepreneurship
&
National Online Short Team Training Programme
on
Entrepreneurship Skill Development

HINDUSTHAN
College of Engineering and Technology
An Autonomous Institution
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai.
Accredited with 'A' Grade by NAAC and NBA, Coimbatore - 641032.

**Department of Mechanical Engineering and
Rajiv Gandhi National Institute of Youth Development**
jointly organizes
**A TRAINING PROGRAMME
on
PERSONALITY DEVELOPMENT
&
IMAGE ENHANCEMENT**
MARCH 9 -11, 2022

KEY TOPICS

- Emotion Mastery | Self Confidence
- Converting Challenges to opportunities
- Branding through proper communication skills
- Self-care | Personal Branding
- Goal Setting and Problem Solving Skills
- Team Work and Leadership
- Soft Skills and Personality Development
- How to train your brain for happiness
- "you" vs "YOU"
- Relationship Building

VENUE
Lavender Hall

TIME
09.30 AM - 04.30 PM

Faculty Coordinators
Dr. P. Jayalakshmi
Professor
Mr. P. John Britto
Assistant Professor
Mr. K. Sivakumar
Assistant Professor

Convener
Dr. K. Siva
HoD/Mechanical Engg.

Patrons
Dr. J. Jaya
Principal
Dr. K. Karunakaran
Chief Executive Officer

Resource Persons
Dr. Babu Rangarajan,
Clinical Psychologist,
AP Medical Center and
Hospital.
Mr. B. Vinothkumar,
Deputy General Manager -
Production
L & T Electrical &
Automation.
Mr. Brighton Anbu,
Co-founder / Facilitator,
Heggal Institute &
Transform 4 Life.
**Mr. Ravi Prakash
Duraiyem,**
Co-Founder, The
Compassion Foundation.
**Mr. Nagaraj
Shenmugam,**
Facilitator at Mind Craft,
(Training | Counselling |
Education)
Ms. Priya Senthil,
Leadership Training
Consultant,
Cognizant Technology
Solutions.

Student Coordinators
Mr. T. Prashu (II Year)
Mr. H. Anoop (II Year)

Click to register
<https://forms.gle/6CTau5SATSRA056>
Registration Free!

Contact : 9789721297
9843626000 / 9894496263
www.hicet.ac.in

HINDUSTHAN
College of Engineering and Technology
An Autonomous Institution
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai.
Accredited with 'A' Grade by NAAC and NBA, Coimbatore - 641032.

**Department of Mechanical Engineering and
Indian National Science Academy**
jointly organizes
**A NATIONAL SEMINAR
on
GREEN TECHNOLOGIES FOR
SUSTAINABLE FUTURE**

Resource Persons

KEY TOPICS

- Energy Conversion Measures & Renewable Energy Technologies
- Opportunities & Challenges in Solar Energy
- Fuel Cell, Electric Vehicle Technology - Road Map for Mobility Application in India
- Waste to Energy Conversion
- Energy Efficient Heating Systems
- Wind Energy Conversion Systems

**MAY 17 - 19
2022**

**CSE SEMINAR
HALL**

9.30 AM - 4.30 PM

Faculty Coordinators
Dr. P. Jayalakshmi
Professor
Mr. P. John Britto
Assistant Professor
Mr. K. Sivakumar
Assistant Professor

Convener
Dr. K. Siva
HoD/Mechanical Engg.

Patrons
Dr. J. Jaya
Principal
Dr. K. Karunakaran
Chief Executive Officer

Dr. S.R. Sivarasa,
FEE Certified Energy
Auditor,
Coimbatore.

Mr. L.R. Venkatesh,
Director,
VESAT Solar Products,
Coimbatore.

Dr. P. Karthikeyan,
FAC College of Technology,
Coimbatore.

**Dr. S. Joseph John
Marshall,**
Assistant Professor, IISOL
Karnaya Institute of
Technology and Sciences,
Coimbatore.

Dr. R. Sivakumar,
FEE Certified Energy
Manager,
Coimbatore.

Dr. K. Balaji,
Assistant Professor, IISOL,
Amritha Vishwa
Vidyalayam,
Coimbatore.

A Training Programme on Personality Development & Image Enhancement
&
National Seminar on Green Technologies for Sustainable Future

FACULTY CONTRIBUTIONS

HINDUSTHAN
College of Engineering and Technology
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai.
Accredited with 'A' Grade by NAAC and NBA, Coimbatore - 641032.

Department of Mechanical Engineering
in association with
RENEWABLE ENERGY CLUB
(celebration of national energy conservation day)
organizes
QUARTER II
**IIC - CELEBRATION ACTIVITY
WEBINAR**
on
**"Advancement in Wind Energy
Assessment"**

RESOURCE PERSON
Dr. Prem Kumar Chaurasiya
Assistant Professor,
Department of Mechanical Engineering,
Bansal Institute of Science and Technology,
Madhya Pradesh.

FEBRUARY 21, 2022 @ 4.00 PM

Faculty Coordinators:
Dr. M. Mohanraj, Professor, Convenor
Mr. L. Karthick, Assistant Professor
Mr. A. Prabhu, Assistant Professor

Patrons:
Dr. J. Jaya, Principal
Dr. K. Karunakaran, Chief Executive Officer

Join us on
<https://meet.google.com/udi-jfee-apd>
91994 480 5852

Hindusthan
College of Engineering and Technology
(An Autonomous Institution), Coimbatore -32

Dr. M. Mohanraj
Professor - Mechanical Engineering - HICET
Among World's Top 2% scientists in the field of Energy, by Stanford University

**A Seminar on
Research Publications and its Impacts**

Date : 27.1.2022 Time : 2.30pm-3.30pm
Venue : CSE Seminar Hall
Participants : AI & ML, CSE, IT, EEE, ECE, E&I, BME, MCA, S&H

IIC – Celebration Activity webinar on Advancement in Wind Energy Assessment
&
A Seminar on Research Publications and its Impacts

Faculty Interaction outside the World



YESSEN OV UNIVERSITY

Kazakhstan

STUDENTS CONTRIBUTIONS



-III Mech Raghul s



-IV Mech Santhosh S

STUDENTS SPORTS ACTIVITIES



Hockey 1st Price Winner in Zonal Championship



“NO REAL CHANGE IN HISTORY HAS EVER BEEN ACHIEVED BY DISCUSSIONS”

- SUBHAS CHANDRA BOSE