

HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

Hindusthan College of Engineering and Technology 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:



DEPARTMENT OF MECHANICAL ENGINEERING

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.

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STUDENT ACHIEVEMENTS



Hindusthan College of Engineering and Technology (Coimbatore), Mechanical engineering students looking cheerful with their vehicle securing 9th place in India and 3rd place in southern section for the BAJA 18 organized by “SAEINDIA” at , IIT Punjab.

Event	SAE BAJA 2018
Date	13 th -16 th MARCH 2018
Position	5 th position in Endurance
All Indian Rank	9 th rank all over India with a score of 538 points 3 rd position among the teams from Tamil Nadu



Date	29-03-2018 to 02-04-2018
Venue	Gwalior, Madhya Pradesh
Achievement	Best safety award. Best light weight award. Overall RUNNERUP award. 2 nd position in acceleration.
All Indian Rank	2 nd rank all over India with Six award

Hindusthan College of Engineering and Technology (Coimbatore) Mechanical Engineering students looking cheerful with their vehicle securing 2nd place for the “Solar Vehicle Championship SUVC 2017” competition held at Gwalior.

STUDENT ACTIVITIES



Hindusthan College of Engineering and Technology (Coimbatore), Mechanical engineering Department Association organized one day national Level Technical Symposium on 03/03/2018. Chief Guest Mr.D.Soundarajan M.S (UK), Managing Partner & Technical Director, Solids & Models (P) Ltd, Coimbatore was inaugurated the function.



Hindusthan College of Engineering and Technology (Coimbatore), Department of Mechanical Engineering and RSTE organized National Level “ Solar Vehicle design Competition” on 27th Feb 2019 to 3rd March 2019 . Chief Guest Mr.S.Venkataraman ,Senior Vice President, Jayam Automotives (P) Ltd, Coimbatore was inaugurated the function.

Student Speaks



Mechanical Engineering

Inventions and Innovations

Biodiesel Production from Waste Cooking Oil by using an Ultrasonic Tubular Reactor

The aim of this research is to find an optimum synthesis biodiesel from waste cooking oil (WCO) using an ultrasonic tubular reactor. The experimental studies explored the variations in reaction time, molar ratio WCO to methanol (MeOH), amount of catalyst, the frequency of ultrasonic and output power ultrasonic on the ester contents. Comparisons of type ultrasonic and also the mechanical stirring method based on time reaction were investigated.



The optimum results of the biodiesel process is the reaction time of 5 minute, NaOH catalyst 1%wt of WCO, molar ratio WCO to MeOH of 1:6, frequency ultrasonic of 20 kHz and output power ultrasonic of 650 W. The reaction time reduced 12-24 times compared to both of method and the yield of ester contents was obtained at 96.54% wt.

STUDENTS CONTRIBUTIONS

LOVE

Love is Mother... Mother is love...

No word can expound a mother's love...

Mother's love is beautiful...

Mother's love is patient...

Mother's love is pure...

No one can replace a mother...

A mother's heart beats for her children...

A mother's mind is ready to sacrifice everything for her children...

A mother is the soul of GOD...

Like God, a mother's love is unfathomable.

- SANKAR P, II MECHANICAL

Cricket and Exam

Run Out: Failing in examination due to lack of time.

Follow On: Failing to pass in March, so appearing in June.

Innings Defeat: Failing in June too.

Extras: Grace marks given by the teacher.

Retire: Fainting on seeing the question paper.

Bouncer: Not being able to understand the question.

Maiden Over: Not being able to answer six questions continuously.

Night Watchman: Father keeping a watch over the child at night.

Sixer: Child thrown out of the window due to his mark list 9, 12, and 24 out of 100.

Wide Ball: Out of syllabus.

Clean Bowled: Caught by the teacher cheating - Red handed.

Leg before Wicket: Failing in exam because of the student sitting before you did not write well

- SANJEEV K, III MECHANICAL

The Real GOD...



- KAVIN BHARAT K, IV MECHANICAL

கல்யாணி

* நண்பகலுடன் நடந்த ஸாலை - அதில்
தேய்ந்த கல்யாணி ஸாலை .

தேர்வை தவிர்க்க சேர்த்து
வைத்த ரிபாய்டன்

* ரிசைவ்-ஓய் வந்தது
நண்பகலின் சட்டைப் பைகள் .

ரெய்வாடி கிண்கிணாயும்
சூழ்ந்ததொன்றே மெகைகள்

* கை அகையக்து சூழ்
ரிசைவ் ஆகைகள் .

தேர்வு அறையில் வார்த்தைகளை

தேடி தேடி

* தேய்ந்தது பெணர் முகைகள்

காய்ந்தது பெணர் கைகள் .

- RAMESHWARAN K, IV MECHANICAL

Music is in my blood...

Music is not just a couple of words arranged to make pleasant combinations of sounds -

It's a different language...

A language that's there inside every person...

It's a language that gets both, the singer and listener so involved that they forget their surroundings. When we listen to music, we're in a world of our own...created by music.

Music has no boundaries...It can be sung by an American, Indian, African, Pakistani - anyone who enjoys and appreciates music. It can be of any genre - rock, pop, metal, and mel - ody...or any language

English, Hindi, Punjabi, Spanish... When it comes to music... the horizons are as vast as the universe! Music has the power to connect the world... to connect people from across the different continents, countries, states, cities, districts who speak different languages, have different cultures, follow different religions.

Music can break all enmity, join any broken bond...and heal the world...

Music can play an imperative role in our life - a person cannot always be judged by his mannerisms or speaking skills, but his choice of songs can speak a lot about him. Each person will have their own collection of favorite songs. But the song dearest to them can keep changing with changes in their life...

Life never fails to surprise us...and so does music. I am sure there's a song for each one of you out there...

Like I said, the right song can do a lot to you...

It can make you cry like you've never cried before... :(It can make you the happiest person on earth... :D It can make you fall in love...

- RIZWAN MOHAMMED S, II MECHANICAL

Best Photo Graphic by Students



RAMESHWARAN K, IV MECHANICAL

Sports Contributions



Basket Ball Winners in Zonal Trophy



A man with the power of will could make himself anything he wished no matter what the circumstances.”

– Willis Carrier