

# ***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.

# ***THE EDITORIAL BOARD***

## **STAFF IN CHARGES**

**Mr.A.NAZEER AHAMED**

**Mr.P.JOHN BRITTO**

## **EDITORIAL TEAM**

**Ms.C.NISHA**

**Mr.N.S.ABISHEK**

**Mr.S.RIZWAN MOHAMMED.**

## **DESIGN TEAM**

**Mr.A.PRAVEEN KUMAR**

**Mr.A.SATHAM HUSSAIN**

# ***STUDENT ACHIEVEMENTS***



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

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



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

Hindusthan College of Engineering and Technology (Coimbatore) Mechanical Engineering students looking cheerful with their vehicle securing 2<sup>nd</sup> 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.

# Student Speaks



# ***Mechanical Engineering Inventions and Innovations***

## **Fully transparent solar-power-generating windows**



These windows have solar cells installed in the edges at a specific angle, which allows the incoming solar light to be efficiently transformed into electricity. The windows could generate 8 to 10 watts of power, according to Grapperhaus. "Right now, we are looking for iconic projects all over the world to show that a large glass building can be made energy neutral in an aesthetic way."



# ***STUDENTS CONTRIBUTIONS***

## ***Some Cities***

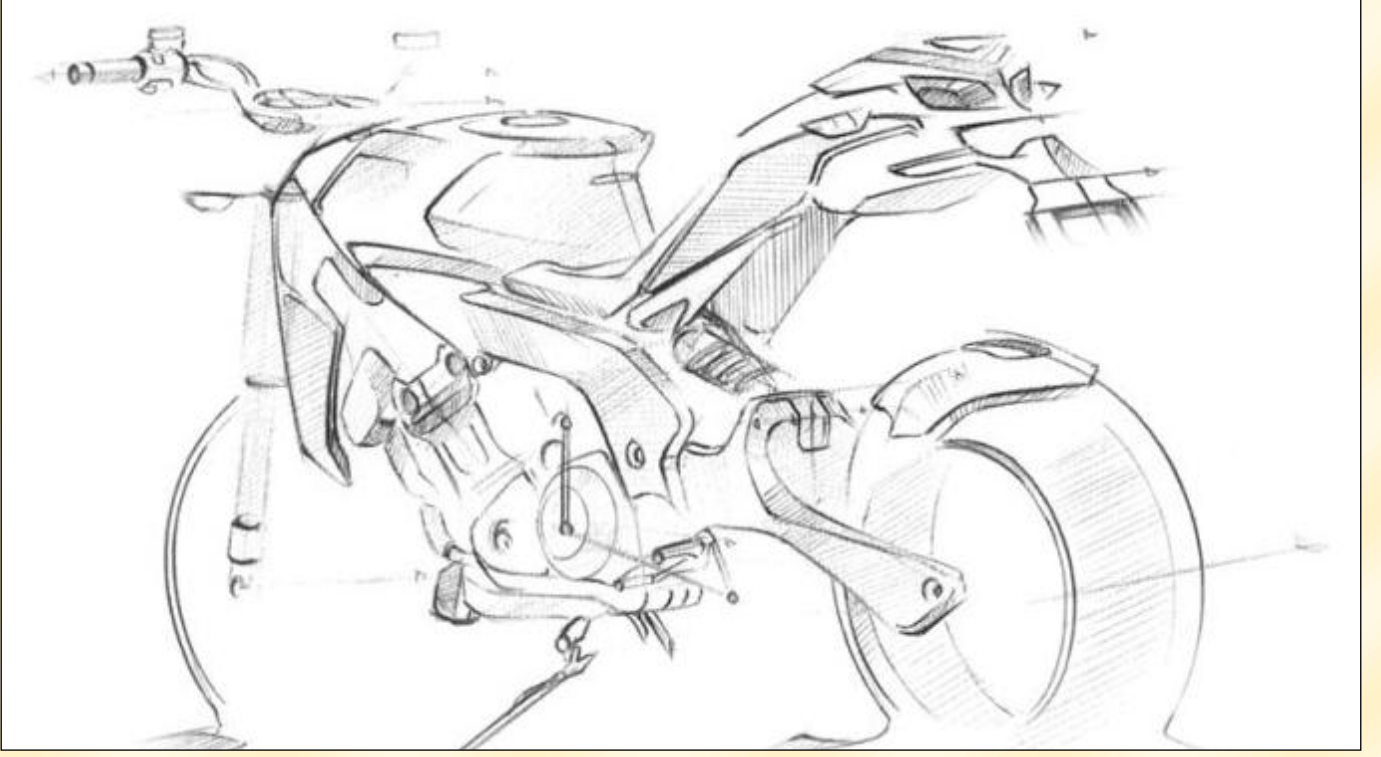
A city which has ability	: Capacity
A city which has thickness	: Density
A city which is emotion	: Intensity
A city which has springy	: Elasticity
A city which has softness	: Plasticity
A city which has swiftness	: Velocity
A city which has advertises	: Publicity
A city which has popularity	: <b>Coimbatore City</b>

- **SANKAR P, II MECHANICAL**

## ***Some Thoughts***

- ✚ Be big enough to admit, encourage and admire the abilities people who are better than you.
- ✚ When time never waits you should ask why you are waiting for the right time. If time never waits then there is no wrong time to begin doing right things.
- ✚ Life gives us new lessons each day not for learning but to improve our understanding.
- ✚ Spend your whole life waiting for the storm and miss out on enjoying the sunshine.
- ✚ Fear can hold you prisoner and hope will set you free.
- ✚ Always keep in mind you are unique – just like everybody else.
- ✚ Only real friends will tell you when your face is dirty.
- ✚ You can turn your ordinary personality into a human magnet just through constant thankfulness.

- **SANJEEV K, III MECHANICAL**



- KAVIN BHARAT K, IV MECHANICAL

பிடுத்த மரிகள்

" பிடுத்தமனுக்கு  
கிடைத்த விட்டை  
என்சு  
மண்தன்  
பொருளமை படாத  
சூரே அரியம்  
" மரணம் "

- RAMESHWARAN K, IV MECHANICAL

## Going Green In House

1. Close the running tap water, when not needed.
2. Use the dishwasher, when the dishes are full. Try to avoid using it more often i.e. for each single plate.
3. Try to be cautious in using water. Turn off taps when not used. By this way, it is estimated every home can save more than a gallon of water, which is very high when combined in a local.
4. Turning off Lights and saving electricity as much as possible is also a way to go green. During the daytime, it is good to open windows and screens to let sunlight in and fill house with warmth. After all, sunlight is essential for body in the form of vitamin A.

## Going Green with Recycling and Reusing

1. Giving away unwanted or unusable materials to free service organizations is a better way to start going green.
2. Reusing the furniture would save some extra money spent on newer furniture. For example, one can remodel a table by adding sheets of wood to it and create his own wardrobe.
3. Recycling paper, plastics, glass and metals could also be done by making use of the local trash pickup service.
4. Instead of simply throwing older items, one can use his creativity in creating the essence out of them. For example, the older screen cloth could be stitched with flat sheets and made as curtains or cloth piece covering the shades of the lamp. They are easy and cheap in terms of interior decorating materials.
5. Choosing reusable water bottles in comparison with plastic bottles every month is a nice way to avoid using plastics and reusing the water bottles. They may be expensive at the beginning, but once getting used to it, they would prove worthy providing health and hygiene besides going green.

- RIZWAN MOHAMMED S, II MECHANICAL



- ABDUL IMRAN I, III MECHANICAL



*“It is not worth my while to manufacture in three countries only; but I can find it very worthwhile to make it for the whole world.”*

*– James Watt*