

# FLYWHEEL 2015

TOWARDS HIET 50



# HIET

HINDUSTAN INSTITUTE OF  
ENGINEERING TECHNOLOGY

**Dr. K.C.G. Verghese**  
Founder Chairman  
Hindustan Group of Institutions  
(1940 - 2006)



To make every man a success and no man a failure

**Mission**

- To disseminate knowledge in a rigorous, and intellectually stimulating environment.
- To facilitate socially responsive research, innovation and entrepreneurship.
- To foster holistic development and professional competency.
- To nurture the virtue of service and an ethical value system in the young minds.

# Editorial

Welcome to the Readers!

Every year college brings out its own magazine which is lovingly appreciated by all members. The purpose of the magazine is to provide a platform to the students and staff to give expression to their original thoughts and thus develop an important aspect of their personality. Unique features of the Magazine is to focus on meritorious students with their performance in academic and extra-curricular can find a place in the college magazine

Staff and students of the college too find a place who has won laurels for the college in many competitions.

It is note out of place to mention here that as a Editor in Chief I thank our beloved Dr. Anand Jacob Verghese, Director and CEO has given immense and valuable support to produce this magazine in time without which it is impossible to produce it.

Messages of the great personalities like the Chair Person, Director and CEO, Director's, Registrar, Polytechnic College Principal and Chief Instructor of Aviation College provides motivation to students and staff.

I hope you enjoy the reading of our magazine.

**Dr. K.Nazeer Badhusha**  
**Editor in Chief**



# Message from Chairperson

Greetings !

Welcome to HIET, the rapid rate of technological advancement and the information revolution have opened new series of challenges as well as opportunities. Hindustan Institute of Engineering Technology aimed at preparing the students to be successful in the changing workplace. It aims to equip students with technical knowledge and capabilities, flexibility and an understanding of the societal context of corporate world.

The students are given support, encouragement and motivated to reach their full potential. In today's era of liberalization, privatization & globalization, we try to groom, nourish & nurture our students in such a way that they are fully equipped to meet the global demands.

Our main goal is to give professional education a new perspective and achieve perfection in all spheres. We provide a pleasant & intellectually stimulating environment. The main reason for our tremendous performance are the faculty, who lead HIET to stand out from the rest of engineering institute. We provide exposure to New and Advanced Technology. We present HIET as a modern Gurukul.

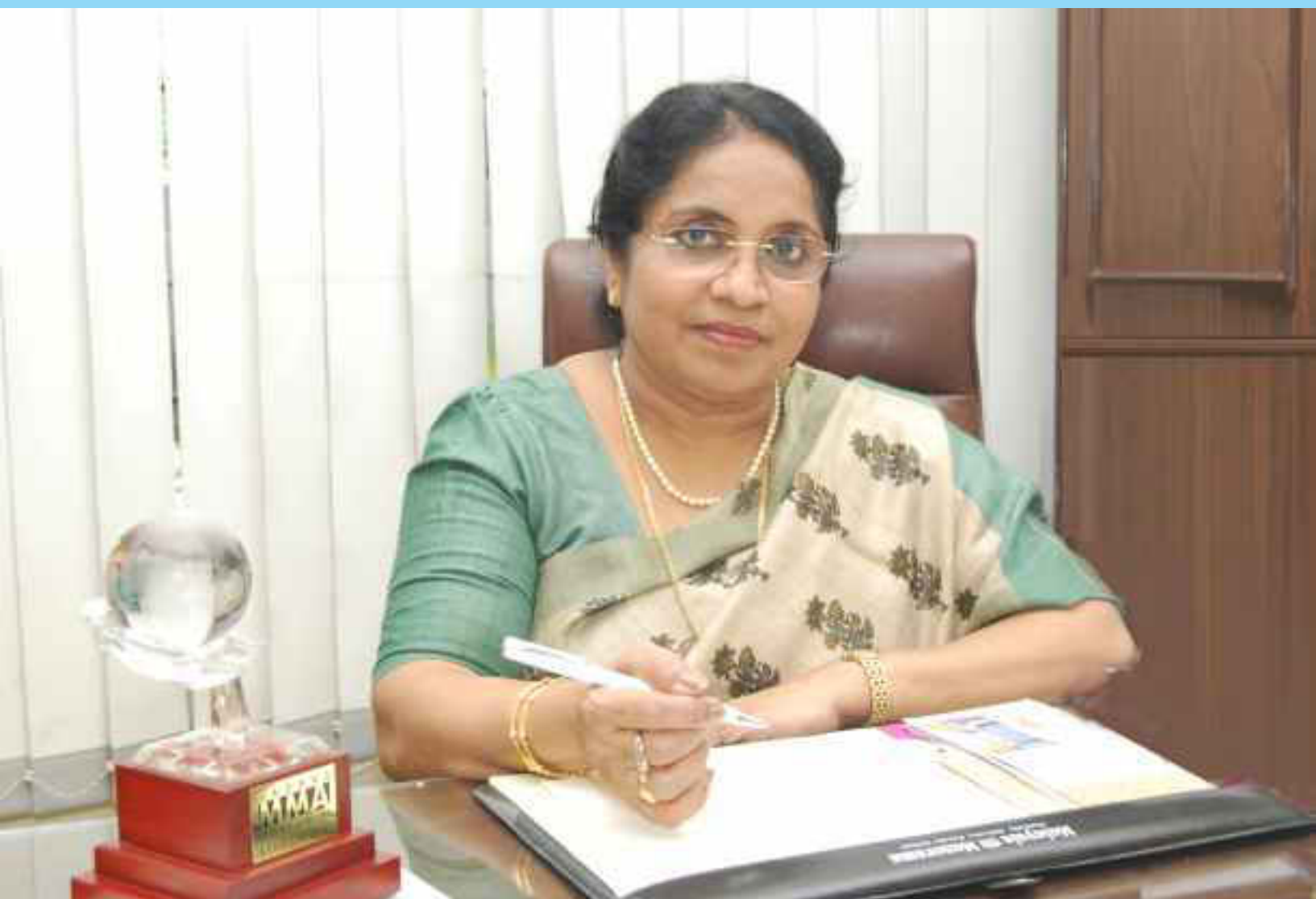
I wish to assure all concerned that we will continue to work hard to bring HIET on the Indian map amongst the top Technical Education Institution. I sincerely thank all my staff who have worked hard to establish HIET as one of the leading Engineering Institutions. Our vision is to achieve knowledge and excellence in global economy.

We have carved out a distinct niche for HIET Group in Chennai with University, Engineering college, Polytechnic, Aviation College, Arts and Science College, Flight Training School and School, this is not a mere added feather in our crown, but a logical extension of our experience and expertise over a decade of sheer hard work and meteoric growth.

“We march along with you for your victory”

**Dr. Elizabeth Verghese**  
**Chair Person**  
**Hindustan Group of Institutions**







# Message from Director & CEO

Dear All !

Technical Education is the backbone of every nation and is the stepping stone for a country to move into the niche of a developed nation. The HIET has been contributing in the mission of transforming rural India into developed nation by running Hindustan Institute of Engineering Technology's College with innovation, creativity, human intelligence and patience. "Service to a Human being is equal to Servicing to God".

It gives me immense pleasure to welcome you to the creative world of HIET which has very eco-friendly campus and is equipped with state-of-the-art infrastructure. We have well equipped labs, workshops and libraries to help students in attaining highest standards in academics, research and professional skills. The campus has adequate sports infrastructure to take care of the young minds.

"Creating better human beings" is our motto and we are focused on developing our students to be good human beings with values which are embedded for life. We aim to provide an overall development that nurtures them towards becoming strong and focused human beings. Soft skills and educational skills is provided for every student at the campus.

The main focus of the Institution is to empower students with knowledge, wisdom, experience and training both at the academic level of Engineering and in the highly competitive global industrial market. The infrastructure facilities and state-of-the-art equipments combined with a galaxy of competent, talented and dedicated faculty contribute to an enjoyable and easy learning experience.

We wish the best for all our students, and the members of the institution who reiterate their aims at providing the best in academic and extra-curricular fields. We must believe that success is inevitable where there exist- Foresightedness, Firm Determination, Hard work and Discipline. You are assured that you will be proud of yourself as a confident and successful technocrat after three years at HIET.

Once again, we wish all our students and faculty a successful and rewarding career.

**Dr. Anand Jacob Verghese**  
**Director & CEO**  
**Hindustan Group of Institutions**

# Message from Director

Welcome to All !

I feel glad to introduce to you HIET, established in 1964 it is the Flagship College of HINDUSTAN Group of Institutions. Now it stands as a premier diploma Engineering College in Chennai with well known reputation and with all its eligible courses accredited by National Board of Accreditation and All India Council for Technical Education (AICTE), New Delhi.

To support the cause of education, Hindustan Group of Institutions has a wide range of courses from school education to Higher Technical Degrees, and every campus is located at strategic locations in Chennai. In Higher Education there are courses available in Engineering and many more.

The faculties of our institution are one of the best in its class, and the college has a tie-up with several reputed industries in the country, so as to provide an excellent on-campus placement to our students.

HIET is an ISO 9001:2008 certified institute and all its eligible courses are approved by AICTE and hence it is nationally recognised. The institution is at the verge of a very rapid growth and it is aimed to achieve a greater status in the future.

HIET aims at not only educating the young to be successful Engineers, Managers and Entrepreneurs but also to produce socially responsible human beings of tomorrow.

I convey my best wishes to all the students and their parents for a successful future and good education.

**Mr. Ashok Verghese**  
**Director**  
**Hindustan Group of Institutions**







# Message from Principal

Dear All !

The main aspects of Education are: Knowledge and Character. Updated technical knowledge provides excellent foundation and confidence in personality; Knowledge is the ability to translate information into action and empirical knowledge provides insight and vision for innovation and creativity.

One has to be a knowledgeable personality with character-ethic. We believe that the Technical Education with Values and Ethics is the greatest need of time. The question that grapples all nations today in the world is how to make education at all levels more effective, impact-making and living. Education can be made more effective & impact making through Faculty Training, Evaluation Reform, Industry Linkages along with Curriculum Development.

The thought of HIET is to create a landmark for Technical education. With less than short period entire infrastructure consisting of main building, laboratories, central library and workshop as per norms fully equipped with all modern appliances and equipment with latest technology was ready. Required eminent and excellent qualified faculties with rich experience joined.

The AICTE/DOTE expert committee visited to our institute giving clearance without any condition as such. The AICTE/DOTE has also allotted our College Code No.409 which is put on their website..

I consider this as a divine gift in our institute on completing 48 years. We are happy to announce that our college is going to celebrate its "Golden Jubilee" very soon.

We are sure that the College will soon emerge as one of the leading Technical Institution with blessings from all concerned. We are also sure it will provide great inspiration and strength to all concerned as a Model to be emulated all over the world.

**Prof. K.Sundararajan**  
**Principal**  
**HIET Polytechnic College**

# Message from Chief Instructor



## Chief Instructor's Message

Dear All !

Hello and welcome to HIET. I hope that you will find the contents of this magazine as enthralling and exciting as the reality of my daily experience as the Chief Instructor of this prestigious institute. As I walk through the portals of this institution, I am captivated by the enthusiasm of our students, the expertise of our staff and the uniqueness of what we, as a institute offer our community. I hope you will have the same sense of joyful discovery as you navigate this magazine.

From a modest beginning in 1964, our HIET has now grown into a fully integrated institution. Whether you are a prospective student, current student, teacher, staff member, parent, neighbour, or visitor, your interest and enthusiasm are valued and appreciated in helping us nurture talent. We are dedicated to provide all students with a safe learning environment and the opportunity to develop into well rounded responsible citizens. Our objective is to offer a diverse academic curriculum, wide array of extra-curricular activities and to continually strive to enhance our student's strength. Not only did we make tremendous academic strides in past years, but we also achieved significant excellence in other fields. Clearly, our people are accepting the challenge to excel in all areas of institute's life and we plan to keep doing our best in serving the society by nurturing great minds.

Respected parents, your words of encouragement to our staff and our students will go a long way. Thank you for your valuable support and interest in our institution of learning. Please feel free to contact us with questions or concern regarding the educational needs of your child. Your ideas and cooperation are important and critical to our success.

**Mr. N.K. Mishra**  
**Chief Instructor,**  
**HIET Aviation College**

# Annual Report & Department Report Aviation College



# Annual Report 2015-2016

This academic year commenced with effect from 6th June 2015, with ODD Semester I, III & V in program with a total strength of 191 students. Presently we have 106 Students in Mechanical Stream & 85 students in Avionics Stream which are now undergoing in respective even semester including 20 students in OJT (On Job Training) Program.

## Semester Examination Results

SEMESTER I (MECH & AVI)	: 79%
SEMESTER II (MECH & AVI)	: 100%
SEMESTER III (MECH)	: 96%
SEMESTER IV (MECH)	: 92%
SEMESTER V (MECH)	: 97%
SEMESTER III (AVI)	: 97%
SEMESTER IV (AVI)	: 97 %
SEMESTER V (AVI)	: 100%

## B.Sc Examination Results

B.SC (AME) II SEM	: 97%
B.SC (AVI) II SEM	: 90.5%
B.SC (AME) III SEM	: 91%
B.SC (AVI) III SEM	: 97%
B.SC (AME) IV SEM	: 97%
B.SC (AVI) IV SEM	: 100%

## Industrial Visits

During this academic year we have completed 04 Industrial visits which cover for I, II & III year students.

Details are furnished below:

1. Educational Visit to ATS Complex, Airport Authority of India, Meenambakkam (batch of 42 students along with 3 Instructors).



2. Educational Visit to Blue Dart Aviation Ltd, Chennai (Batch of 14 students along with 1 Instructor).



3. Educational Visit to OFS (Orient Flight School) Pudhucherry (batch of 35 students along with 2 Instructors).



4. A visit to Indian Oil Corporation, Meenambakkam (batch of 20 students along with 1 Instructor).



## Seminars

1. A Seminar was conducted on 24th August 2015 on "Modern Aviation". This seminar was conducted by Mr. RadhaKrishnan Chief Manager, Air India Chennai. He was explaining all latest modernization in Engine Design, Aircraft Design of Fuel System, Design of Hydraulic System, Design of under carriage. In addition to this, He has also explained about various types of aircraft & its modernization. A total of 93 students and instructors were participated in this seminar.

2. A seminar was conducted on 21st January 2016 on "Aviation Fuel System and Administration on the Tarmac". The seminar was conducted by Mr. M. Mohankumar Chief Manager, Indian Oil Corporation, Meenambakkam, Chennai. He has given an elaborate speech on Quality Control of Aviation Fuel, Procedure to be followed on Tarmac while refueling/Defueling operation. This seminar was attended by 78 students with instructors. Students gained a though knowledge on Quality Control check of Aviation Fuel.



## Graduation Day

The Graduation Day of HIET Aviation College for Batch 121(mech) & 122(Av) was held on 28th oct. 2015 in a grand manner at the seminar hall. It presided over by Mr. Ram Mohan, CEO, Com Afrique – Inversol Initiative, who is our alumini of AME batch 24 and the Presidential address was delivered by Mr.Ashok Verghese, Director, Hindustan Group of Institutions. Welcome speech was given by Chief Instructor Mr.K.S.Narasimhan. The honorable Chief Guest was introduced by Mr. Nayan Kumar Mishra, TM cum Dy. Chief Instructor. The Chief guest Mr. Ram Mohan, CEO, Com Afrique – Inversol Initiative addressed the gathering and presented the graduation certificate to the students. A memento was presented to the Chief Guest by our beloved director Mr. Ashok Verghese. The graduate pledge was delivered by Mr. Anshul Pathania to the graduates. It was followed by the felicitations given by Mr. Javed Anwar Farooq (GM Line Maintenance International, Air works) alumini of the HIET aviation college, who is batch mate of the chief guest and Prof. K. Sundarajan (Principal, HIET poly technic college).The programme concluded successfully and the vote of thanks was given by Mr.E.V. Surendran (Training officer, HIET Poly technic college)



## Achievements

- In October 2015 session, 7 students from HIET Aviation college have cleared DGCA, Govt of India, License examination Paper – I in first attempt. Out of 07 students, one student S. Vignesh has scored Second rank in all India level.
- B.SC (AME) & B.SC (AVI) 3 year regular course is commenced in 2013.In this current year First batch of students are going to pass out by June 2016, who will be awarded degree from Hindustan University, which is a unique achievement for Aircraft Maintenance Engineering Students.
- A total of 52 Students in Mechanical stream & 38 students in Avionics stream have appeared for B.SC examination conducted by HITS. Out of which 17 no of students secured Distinction marks.

## Mission Kalam - 1

Dr. APJ Abdul Kalam Memorial Function

A total number of 39 students with one staff from HIET Aviation college, participated in the memorial function of late Dr. APJ Kalam was held at Hindustan University, Padur on 22nd August 2015. It was a wonderful programme with union of guest lecture and launching the balloon. Wg. Cdr. Gupta from Air force Station, Tambaram was the Chief Guest. The balloon filled with Helium gas and it was termed as Near Space Launching (NSL). The balloon also suspended with basket having pay load of approximately 1.82 kg with transmitter and a receiver and it will reach up to 70000 feet above the sea level.



## 1st Year Orientation Programme

Orientation for AME 129th & 13th batch was held on 17th June, 2015 at Right Brothers Seminar Hall. A video presentation of Hindustan Group of Institutions was casted on the screen. Mr. Narasimhan, Chief Instructor of Aviation College gave a welcome speech and explained the different A's: Aircraft / Airport / Authority / Airmen / Air Space / Accident prevention / Air Travel etc. The Chief Guest Prof.Dr.Augustine, HOD, Aero Department, KCG College of Technology, delivered a motivational speech about aviation industry and various responsibilities of an Aircraft Maintenance Engineer. Later Mr.I.L.Ayyavaru, Deputy CI & Training Manager, spoke about the rules and regulations of the Institute. Mr. Mishra, Chief Instructor, presented details of course curriculum. Mr. K. Madhavraj, Admin Co-ordinator, presented details about college transport timings and pick up points.



Akshaya Matriculation School, Velachery students visited HIET Campus.

# Annual Report & Department Report Polytechnic College



# Department of Civil Engineering

The Civil Engineering Department established in our Polytechnic College in the academic year 2011 and the first batch of 26 students have completed their course successfully in April 2014.

## Toppers List

- Final year student Mr.Dasuklang Rymbai of Civil Engineering has secured Rank 1st with the Aggregate of 87.42% in the board Examination.
- Final year student Mr.Surya Kumar.P of Civil Engineering has secured Rank 2nd with the Aggregate of 83.57% in the board Examination
- Final year student Shandhiya.J of Civil Engineering has secured Rank 3rd with the Aggregate of 82.28%.

## Association Meeting

- The first meeting of the civil engineering association was held on 18th Dec 2015 at "Good Shepherd Seminar Hall" HIET Padappai.
- The meeting was presided over by Prof.K.Sundrarajan, Principal Polytechnic college. Dr.S.Sakthivel MBA, D.S.W, Managing Director M/s Guna Builders Pvt Ltd was the chief guest, Prof.K Sundararajan in his presidential address advised the students to focus on their field and gain maximum theoretical and practical knowledge before passing out of college.
- Dr.S.Sakthivel narrated his experience as a builder and also about the various aspects of construction industry.

## Students Achievement

- The student of civil department namely Gopalkrishnan & Ebin paul, 2nd year Civil did service to people by providing food to the affected people in the villages such as Navalur, Athanacherry.
- 2Nd & 3rd year civil department students retained Championship in football match for the past two years.
- Student Vidyasagar and Limasungkum Jamir from civil department selected as football state player.
- Amrish, 2nd year from civil department selected as Badminton state player.
- A student Mohammed Myadeen Hasan.S from final year is one of the best athletes in this department.



## Seminars

- As seminar was conducted on 05/01/2016 at 2.30pm for the department of civil engineering. The seminar was on Building model software. Students from both 2nd year and 3rd year attended the seminar.
- A powerpoint presentation used to explain the importance of using software in the construction field.
- The students were asked to be expert in Auto CAD as it forms the basis of BIMGS software. Bar bending work, and Concrete work.



## Industrial Visit

- Civil Department conducted the Industrial Visit for 2nd year student of civil engineering on 29/12/2015 at RMC (READY MIX CONCRETE) India Pvt Ltd. A total of 26 Students with two staff members attended the industrial visit. Mr.Rajendran, STO who in charge of conducting the Demos and seminars.
- An industrial visit has been arranged on 7th January 2016 at Kilpauk metro water plant for final year student of department of Civil Engineering. A total of 43 students along with three staff members were accompanied to treatment plant.
- Student with 3 Faculty Members (Mrs.Radhika, Mr.Vijaysarathi, Mr.Surrendar) went on an Industrial Visit to Hindustan University, Padur on 13-Jan-2016. The students of Civil Engineering, learned about safety precautions, RCC framed structure, Shuttering work, Bar bending work, and Concrete work.

# Department of Automobile Engineering

With the blessing of the almighty and the involvement of the faculty, The department of automobile engineering has achieved success in curricular and extra curricular activities this year.

## Rank Holders

Mr.Harshavardhan B.S	1st rank	83% .
Mr.Mohamed Ashfaque	2nd rank	81.4%.

## Industrial Visits

2nd year students of Automobile Engineering visited "Hindustan COCO-COLA Ltd, Nehamam" on 23rd Jan 2016 and 27 Jan 2016 along with their faculties. Final year students of Automobile Engineering visited 'Arrow Coach Builders' Madhuranthagam on 9th Jan 2016 along with their faculties.

## Guest Lecture

- A guest lecture on "Manufacturing Technology" was organised on 14th Jan 2016 by Mr.Arockiaraj, Asst Manager, HR of J.K.Tyres.
- A guest lecture on "Automobile sales and service industry" was organised on 23rd July 2015 by Mr.Nagaraj, Head sales and service of VST motors.

## Awards and Achievements 2015

- Mr. Prem.B , lecture of Automobile Engineering got 'Best Staff of 2015' award.
- Mr. Prem.B lecture handling Machine Drawing and Industrial Management and Road Transport organisation brought out 90% & 81% result in the Board Examination of Oct.

## Special Contribution by Faculty

- Mr. Mannivannan.S & Mr. Sanjeer kumar.s, Lecture of Automobile engineering conducted Service Advisor Talent program about 'Volkswagan' for the final year mechanical and automobile Students.

## Awards by Students

Mr. Sreesh T.V 2nd year, bagged the first prize at the state level yoga competition which held in VPI Academy, Thiruvallur District.





# Department of Mechanical Engineering

The department is proud to say that three college ranks based on DOTE have been achieved by the students in UG level. Congratulations to the rank holders Vinoth.R, Raieyan Khan, Srinivasan.R

## Toppers List

- Mr Vinoth.R has secured Rank 1st in the board Examination with the aggregate of 87%
- Mr. Raieyan Khan has secured rank 2nd in the board Exam with the aggregate of 86%
- Mr Srinivasan.R has secured rank 3rd in the board Exam with aggregate of 81%

## Workshop

- Final year students Mr. Yoganathan, Vishnu.V, attended a week workshop at ICF during Nov 17 to Nov 24 in 2015.
- Final year students of mechanical engineering Aravindan.G, Fenicus Joel D.E, Dinesh Kumar, Annamalai Saravanan and Jainiraj.S were attended a week workshop at Integral Coach Factory, chennai during Nov 15 to Nov 26 2015.
- Final year students of Mechanical Engineering Humesh.D, Sai prasanth.V, and Vignesh R. attended two days workshop in Kurukshetra during 17-02-2016 & 18-02-2016 affiliated to Anna University, Chennai.

## Industrial Visit

- 2nd year Mechanical Engineering students visited Hindustan Coco-Cola Beverage Pvt Ltd, Nemam, Chennai on 21st January 2016. They were accompanied by two faculties Mr.Dinesh - lecturer, Mr.Yuvaraj.M - lecturer of Mechanical engineering
- Final year students of mechanical engineering visited Delphi TVS Sriperumbadur, Chennai on 9th January 2016. They were accompanied by three faculties Mr.Dinesh.S - lecturer, Mr. Yuvaraj. M - lecturer, Mr.Srinivasan.R lecturer of Mechanical department
- Final year students of mechanical engineering visited thermal power station Ennore, Chennai on 26 august 2015 and 27 august 2015 along with their dept faculties Mr.Vinoth Kumar.S.V, lecturer, Mr.Srinivasan lecturer, Mr.Kathiravan.S and Mr.Shankar Kannan.P
- Final year student of mechanical engineering visited integral coach factory, Chennai on 8th jan 2016
- Final year student of mechanical engineering visited Steel Authority of India Ltd (SAIL) at Salem on 23rd January and 6th February 2016 along with their staff members Mr.Vinothkumar S.V, Mr P.Sivaramakrishanan Mr.sajith S.J, Mr.Shanker Kannan.P and Mr.Jayaprakash, Instructor.





## Guest Lecture

- A guest lecture on Heat Exchange by Mr. Ravikumar Solomon, Professor from Hindustan University was organised on 31st July 2015.
- A guest lecture on “Types of welding” by Mr. Muralidharan, Chairman of IIN (India Institute of Welding) was organised on 31st dec 2015.
- The guest lecture on Industrial placement & Training by Mr. Arokyaraj. S, Assistant Manager (HR) and Ms. Sruthi (HR) of JK Types was organised on 14th jan 2015 for final year students.

## Conference for Staff

- Senior lecturer Mr. Shakeel Ahmed .A of mechanical department attended a conference on “Foundry” at Bangalore organized by “Indian Machine Tool Manufacture Association” on 24th Nov 2015.
- Senior lecturer Mr. Vinoth Kumar S.V of mechanical department attended a one day conference on “The Constitution of India” organized by K.C.G College of Engineering & Technology, Chennai on 28th Nov 2015.

## Staff Achievement

- Mr. Sivaramakrishnan.P, lecturer, Mechanical department awarded as 'Best Staff, during 2015-2016.
- Handling Power Plant Engineering Mr.Vinoth kumar exposed 93.33% in the board examination results of oct 2015.
- Handling Machine drawing Mr. Kathiravan.T brought out 93.02% in the board Examination results of oct 2015.
- Handling power plant Engineering Mr. Shakeel Ahmed represented 91.66% in the board Examination results at Oct 2015.



# Department of Electrical & Electronics Engineering

## Toppers List

### IIIrd Year

- Mr. MC Millan Ford secured 1st Rank in his class.
- Mr. Dhanashekar secured 2nd Rank in his class.
- Mr. Sujin Jaya Prakash secured 3rd Rank in his class.

### IInd Year

- Ms Kancherla Lily Rose Hemlatha secured 1st Rank in his class.
- Mr. Vikash Kr Mahato secured 2nd Rank in his class.
- Mr S Prasanth secured 3rd Rank in his class.

## Guest Lecture and Seminar

- Mr P. Shanmuga Sundram from TNEB has delivered seminar on ENERGY MANAGEMENT SYSTEM AND RENEWABLE ENERGY for both IIInd & IIIrd year on 14.01.2016.
- Dr P Deiva Sundari (HOD EEE) in KCG College of Technology has delivered seminar on ENERGY AUDIT MANAGEMENT for both IIInd & IIIrd year on 23.07.2015.
- Dr AK Parvathy (HOD EEE), HINDUSTAN UNIVERSITY has delivered seminar on TRANSFORMERS for both IIInd & IIIrd year on 04.02.2015.

## Industrial Visit

- EEE IIIrd and IIInd year students have gone for an IV on 28.12.2015 to EXCEL AUTOMATION COMPANY, at Chrompet, Chennai.
- EEE, ECE and DCE departments IIIrd and IIInd year have undergone for a visit and one day training on 16.02.2016 to BSNL TRAINING CENTRE at East Tambaram.
- EEE and ECE departments have undergone for an IV on 28.01.2016 to COCACOLA COMPANY.
- EEE IIIrd students have gone for an IV on 08.01.2016 to Delphi TVS, Sriperumpudur.

## Workshop

- ONE DAY TRAINING PROGRAMME AT BSNL TRAINING CENTRE Tambaram for both IIInd & IIIrd year.
- ONE DAY TRAINING PROGRAMME by SEIMENS company for (STAFF) at GUINDY, Ms. N. Kanimozhi (HOD/EEE) & Mr. Hariharasubramaniam (Lecturer/EEE) has attended the programme.

## Special Contribution bu Faculty

Mr. Hariharasubramaniam (LECTURER/EEE) has taken for Robotics Class..

Mr. Pandi (EEE) has taken for UPS SERVICE ENGINEER has taken for EEE and ECE students.



# Department of Electronics & Communication Engg.

## Topper List

- Ms. DEEPIKA L has secured 1st place with the aggregate of 83%
- Ms. SANGAMITRA M has secured 2nd place with the aggregate of 79%
- Mr. RAHUL LR has secured 3rd place with the aggregate of 77%

## Industrial Visit

- 2nd year students visited North Chennai Thermal Power Station and learnt about Power Flow controller using static solid switches. It was held on 24.08.2015
- 2nd year students visited Hindustan Coca Cola Ltd and learnt about Industrial Automation and Key areas of Electronics in Automation. It was held on 28.01.2016
- 2nd year students visited BSNL Telecom and learnt about Various Real Time communication technologies like GSM, CDMA and Optics etc. It was held on 16.02.2016

## Guest Lecturers

Energy Management System & Renewable Energy" by Mr. P. shanmuga sundram, Executive engineer TANGEDCO on 14.01.2016 at HIET

Energy Audit & Energy Management" by Dr. Deiva Sundari, HOD EEE, KCG College of Technology on 23.07.2015 at HIET

## Conference Attended

A One-day Conference on "The Constitution of India" on 28th November 2015 was organized by KCG College of Technology

## Student Achievement

Under gone E-Learning and Boot Camp on Basic Electronics by Electronic Department IIT Madras (A self study session).

## Staff Achievement

Mr. Arjun M Yadav, Lecturer ECE had achieved 94% in Board Theory Examination October 2015. This was the historic triumph that the department holds

## Other Highlights

"Women Empowerment" the most current trend and also a different perspective that we follow have given the girls unrestricted access to hands on sessions at our Electronics and Communication laboratory.

The student from 2nd year ECE has been deployed at HIET Electronics laboratory to develop "a 64-bit RAM" apart from their academic and they will be completing the built by mid of communication laboratory.



# Department of Computer Engineering

## Topper List

### IIIrd Year Vth Semester

- Mr.Raghavan P secured 1st Rank in his class with 81.75%.
- Mr.Dhatchanamoorthy S secured 2ndRank in his class with 80.57%.
- Mr.Revanth S secured 3rdRank in his class with 76.85%.

### IIInd Year IIIrd Semester

- Mr.Gokul Chandran secured 1stRank in his class with 90%.
- Mr.Sandeep Kumar Singh secured 2ndRank in his class with 80.14%.
- Ms.Nishanti M secured 3rdRank in her class with 77.85%.

## Department Inauguration

It was held on 26 June 2015 in HIET seminar hall honoured by the respected chief guest Mr. N. Krishnamoorthy Prof & HOD of CSE in KCG College of Technology. A lecture on DATA MODELLING was conducted by the chief guest.



## Guest Lecture

- Cloud Computing by Dr. N. Krishnamoorthy (Prof.& HOD-CSE,KCG College of Technology)
- DATA MINING by Mrs.Rajeshwari Mukesh (Prof. & HOD on Hindustan University).

## Seminar

- Association Valedictory 2015 held on 04.02.2015.
- Seminar Resource Person from INFOSYS and ACCENTURE.



## Industrial Visits

### BSNL TELECOM

- It was held on 20.07.2015 in BSNL Telecom. They conducted a practical session on switches, bandwidth and batteries.

### WORKSHOP ON CHN CONDUCTED BY ADVANTAGE PRO

- It was held on 08.08.2015, they conducted sessions on computer hardware and operating system.

### COCA-COLA COMPANY

- It was held on 29.01.2016, this visit was very useful for the students. They were able to analyse the Robotic technology of the machines that were involved in the production.

### INPLANT TRAINING AT BSNL

- It was held on 16.02.16 at DTTC, BSNL Chennai Telephones. Students had a session on MSC, SWITCHING and CIPHER NETWORK.



## Student Achievement

- Mr.Sandeep Kumar Singh participated in State level Cricket.
- Mr. Vishnu Kumar is a District level Athlete.
- Ms.Rishab Rani participated in Junior state Throw Ball and State level Short Put and won.
- Mr.Satish Kumar participated in Division level Volleyball tournament and won.
- Mr. Stephen Varghese participated in Table Tennis in Zonal level and won.
- Mr.Mukesh Kumar Hosting Event Management.
- Mr.Sheik Abdullah participated in district level Kabbadi tournament and won.
- Mr. Prince Ali Khan Hosted a Website-Project training center and consultancy.
- Mr. P. Raghavan participated in State level paper Presentation and secured 1st Position.
- Mr. Vishnu S Nair participated in State level Badminton.



# Department of Science & Humanities

The Induction Day programme was organized for the 1st year Engineering on 7\7\2015. The day when a warm welcome was extended to the fresh entrance of HIET. Excitement & Expectation was written on the face of the both Parents and students. Mr. Swaminathan was the a HIET speaker of the day. He gave the motivational speech to the student and he also gave suggestions to parents on how to mould the future of their children. Being an active member of skills, Presentation Skills, Speaking Skills and effective personal management for career success. The Programme came to an end with feedback from parents.

## Toppers List Based on Dote

- First year student Ms. Minimini.B of Civil Engineering has scored Rank 1st with the Aggregate of 95% in the board Examination.
- First year student Mr. Gokul Satheesh.S of Computer Engineering has scored 2nd Rank with the Aggregate of 89.25 % in the board Examination.
- First year student Koushal.A.C, of Mechanical Engineering has scored Rank 3rd with the Aggregate of 88.50% in the board Examination.

## Conference Attended

- DOTE-NSS conference attended by Mr.R.Elangovan (NSS Co-ordinator)
- A short term course on "COMMUNICATION SKILLS" conducted by NITTTR, Chennai from 30/11/2015 to 04\12\2015 was attended by Mrs.Dimple (Sr. Lecturer, English Department)

## Students Achievement

- First year student Koushal.A.C, of Mechanical Engineering, Minimini.B of Civil Engineering, has scored centum in Chemistry.
- First year student Arthi Yadar of Computer Engineering , Minimini.B of Civil Engineering, has scored 100% in Maths.

## Student Award

First year student Kousalya of D.EEE branch received the Thanthai Periyar Memorial award and a cash price of Rupees of 10,000 – was awarded by the Honorable Kancheepuram Collector Gajalakshmi on 26\01\2016. (Republic day function)

## Staff Award

On the occasion of Teacher's day the Best teacher award for the S&H Dept was awarded to Mr.Panner Selvam (Maths Lecturer).



# Training & Placement Cell

We have a Training & Placement department that functions unique along with the supporting staff. The main objective of this department is to infuse the DNA of employability into the blood of students. It provides numerous services to the students to enhance their chances of employability in the corporate market. This is made possible by the sincere efforts, endeavor and continuous interaction with the industries either National, Multi-national or global. It is by ways of Short term courses, Industrial Visits, Inplant Training, Value added courses (SDC Courses – Skill development courses), Seminars, Guest lecturers, placements and many more similar activities.

## Short Term Courses

The students joining HIET Polytechnic College have got the unique opportunity of undergoing many skill development programmes during their course of study. These courses enable the students to acquire skill in any of the chosen field which will enhance their job prospects. The following are the courses offered :

### Automobile Engg

Automobile Repair & Maintenance (2 & 3 wheelers)  
Advanced Automobile Servicing

### Computer Engg

DTP – Desktop Publishing  
Repair and Maintenance of UPS & Hardware

### Mechanical & Mechatronics

Welding & NDT  
Operation and programming of CNC machines

### Civil Construction

Plumbing  
Surveying

### Electrical & Electronics

Robotic Training  
Industrial Electronics  
Industrial Electrical

### General

Softskill Training  
AutoCAD, Pro-E, Catia 2D Drafting.

## Industrial Visits

Objectives of industrial visit is to provide students an insight regarding internal working of companies. Theoretical knowledge alone is not enough for making a good professional career. With an aim to go beyond academics, industrial visit provides students a practical perspective on the world of work. It provides students with an opportunity to learn practically through interaction, working methods and employment practices. It gives them exposure to current work practices as opposed to possibly theoretical knowledge being taught at college. Industrial visits provide an excellent opportunity to interact with industries and know more about industrial environment. Industrial visits are arranged by colleges to students with an objective of providing students functional opportunity in different sectors like IT, Manufacturing and services, finance and marketing. Industrial visit helps to combine theoretical knowledge with industrial knowledge. Industrial realities are opened to the students through industrial visits.

## Inplant Training

In Plant Training will provide an industrial exposure to the students as well as to develop their career in the high tech industrial requirements. By the request of the Training department the Reputed companies are providing inplant training to Students. Here students are counseled in order to emerge out their interest in various streams and what are all the basic concepts they know in their chosen field. After the successful completion of studies, students have to face this competitive world with this knowledge to face many problems and to find the right solution which is to be solved in the minimum duration of time. The inplant training is totally different from the class environments.

HIET has taken students to the following industries for inplant training and they are mentioned below.

- Visit to Hindustan Coca Cola beverages pvt Ltd
- Visit to MTC Ltd
- Visit to ICF Ltd
- Visit to Salem Steel Plant
- Visit to Ashok Leyland.

## SDC – Skill Development Courses

HIET SDC is conducting industry relevant courses to cater the needs of students from ITI'S, Polytechnics, Engineering colleges and staff from various industries. These programmes are offered throughout the year and flexible timings like regular, evenings, weekends and during vacations are available. Various Modules of training are available under various skill sectors. The training centre is equipped with the latest equipments, measuring instruments and diagnostic tools. Qualified and professionally certified trainers are incharge of the training. Many certified programmes are also available. Tamilnadu govt sponsored students under “puthu vazhvu project” has undergone training in the following topics viz a.) 4 wheeler servicing, b.) 2&3 wheeler servicing, c.) Diesel mechanic course, d.) Electrical & plumbing course. Other programs are mentioned below :

### Automobile

Autotronics

Computerized Wheel balancing & Wheel Alignment

### Computer

Hardware and Network Engineering

Configuring Security system

### Mechanical

Refrigeration & Air Conditioning

Advanced Welding Techniques (Arc, Gas, TIG and MIG)

### Civil Construction

Land Surveying using Total Station and GPS

Draughtsman

### Electrical & Electronics

Programmable Logic Controller Training

Electrical Wiring (Commercial & Industrial)

MAT Lab

### Electronics & Communication

Orcad (Electronic CAD)

LAB View

Tailor made Programmes : HIET SDC offers tailor made (customised) training programmes for multi-tier employees and can be structured specifically for the industry requirements.

Our Valued Clients : ALBA – Aluminium Bahrain, HAL, CRP India, Orient Flights etc.





# Events and Activities

## Founder's Day

The founder's Day celebration is an annual event marking the birth anniversary of our founder – Chairman (late) Dr .K.C.G. Verghese in the month of June. It's a celebration of our proud heritage to offer floral tribute to our founder both by the staff and the students . Dr .N.S. Venkataraman, Former director of MIT, Chrompet, participated in the program and spoke about his close association with the founder Chairman. Prof. K. Sundararajan, Principal, Mr. Daison Mathew, Special Officer and senior staff offered floral tribute to the founder Chairman.

## Inauguration of Robotics Club

On 21st June 2015 the Inaugural function of Robotics Club was held in our Institution along with delegates. Mr. Sanjeev Karuthody, Director, India & USA inaugurated the Robotics Club at HIET and discussed about the importance of Robotic Training and covered the topics of Robotics, Robot Control and Calibration, Robot Sensors and Actuators, practical session with Humanoid Robot and Rescue truck robot. The advanced robot could stand behind the innovation in Robotics from line follower to Humanoid Robot. HIET is Doing its best to provide new direction to the young engineers by giving them opportunity to explore the diversifying field of Technology and the projects developed at present.

## Polytechnic College 1st year Induction Programme

The induction program was held on 6th July 2015. Mr. Swaminathan Sankaran, Motivational speaker was the Chief Guest. The function started with prayer followed by a welcome address by prof. K. Sundararajan, Principal of HIET and his speech stressed the importance of discipline, punctuality and regularity in studies for achieving success in their course of study and also advised students to maintain 100% attendance.

Chief Guest Mr. Swaminathan Sankaran advised the students to maintain their positive attitude, acquire knowledge and skills sets in order to reach their goal. Chief Guest also reminded students about the huge requirements of Diploma holders available in various industries.

Mr. Surendran, Training & Placement officer explained about the initiative taken by the college in preparing the students for placement viz. Skill Training, Seminars, Industrial visit, Implant training and Pre-placement training etc. and also mentioned about the companies who have recruited our students.

The Chief Guest also presented the offer letters to nine students who got selected to the M/s Royal Enfield, Hosur plant

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## Annual Sports 2015-2016

- Physical Director Mr. Emmanuel participated in IPAA( Inter Polytechnic Athletic Association), State body meeting which held on 26 June 2015 at Nallalaghu Nadar Polytechnic college, Chennai-66.
- IPAA State Executive Committee meeting held on 16 July 2015 at Nallalaghu Nadar Polytechnic College Puzhal, Chennai-66
- IPAA subscription fees of Rs 5000/- Payable by DD in favour of President IPAA, Nallalaghu Polytechnic College, Puzhal.
- Our college students participated in IPAA Kanchipuram Divisional Games for football semi-final match held on 22nd August 2015 at Sai Ram Polytechnic College.

- HIET basketball team participated in Inter College Basketball match at SRM Polytechnic on 23rd Oct 2015 and won the 3rd prize.
- Mr. Akash Bhati, 1st year student selected to participate in the junior India National basketball tournament to be held in Chennai in the age group of 16.
- The annual league match at HIET campus during January 22nd to February 5th .
- The annual sports day was held at HIET campus on 6th Feb 2016, Ms. Saratha Narayana, Common Wealth Medal Winner, International Athletic presided over the function and gave away the medals and prizes to the winners.



## Pongal Festival

Pongal festival was celebrated by HIET on 16th January 2016. The HIET music team made an immense contribution in making it a success. Many cultural, dancing & singing programs were conducted for students, staffs and faculties. Finally the traditional Uriyadi program was successfully conducted.

## Television Programmes

- Exclusive coverage of the Pongal festival celebration at HIET was done by Raj TV with fun campus programmes like dancing, singing & cultural, and the programme was telecasted on the Pongal Festival day.
- Makkal TV organised an exclusive programme for Hindustan Aviation College. The college facilities and students demonstrating various aircrafts were covered during the program. A discussion was conducted with students about Dr. APJ Abdul Kalam's dream over India's growth by 2020, and the students participated eagerly. The programme was telecasted on republic day.
- Peppers TV conducted a fun & exciting programme for students at HIET. Students came up to display their special talents like singing, dancing, music, yoga, etc., and the programme was relayed on Peppers TV channel.

## Independence Day

The Independence Day was celebrated on 15th August 2015 at HIET campus. Prof. K. Sundararajan, Principal Hoisted the National Flag and addressed the students and staff. He asked the staffs to decide themselves by helping all the poor and needy people of our country.

## Distribution of VG Tap Certificate

The certificates were distributed for the students who have completed VG-TAP program at HIET campus during the regular assembly session. The Principal K. Sundararajan, distributed the certificates to the students and encouraged them to work hard and achieve great success in their life.

## Flood Relief Camp

In the month of November and December 2015, unprecedented flooding in Chennai left one-fifth of the area submerged underwater and affected a millions of people, forcing them into temporary camps, schools and anywhere else they could find shelter. A year after floods hit, HIET found that millions remained vulnerable, living in makeshift tents and shelters and unprepared for the monsoon.

In an initiative measure to provide immediate material and trauma relief to the evacuees of the calamity-struck in Chennai, The team of HIET volunteers has established to provide humanitarian assistance to the victims of the floods in Chennai.

Dr. K.C.G. Vergheese (Late), Founder Chairman of HIET and an eminent noble educationist always figure out his vision on "Make a Every Man Success and No man failure" and these noble words which is not only for the education to under privileged but also for social side of the human effect and the volunteers of our institute to help the poor victims of present natural disaster and calamity in Chennai. We have distributed door to door relief material in homes that lost an earning member. A relief material from our institute has reached the areas which had not seen food for few days. We have reached the following location viz., Navalur, Vellarithangal, Chavadi, Mottusery, Vardhaman Nagar, Urappakam, Selvaraj Nagar, Serpenumchery and Swami Nagar

## Campus Recruitment Drive

The following companies conducted on and off campus interviews for our student in the month of January 2015. Seventy five students from various branches get placed during this recruitment drive as noted below:

Gestamp Automotive Chennai Ltd., Sriperumbudur, Classic Tubes, Oragadam, Royal Enfield, Hosur, Abra Motors, Kun Hyundai, Chennai, Vinayak Infotech, RMT Construction, Edifice Construction, etc.





Sports Day



Music Team



Flood Relief Camp



Flood Relief Camp



Republic Day



AME TV Show



Pongal Festival



AME TV Show





# Sports



28



# Roaring Machine Chaser



## Growth of Exotic Cars in Chennai

Sports cars, Supercars (or) Exotic cars are one of the most rapidly growing sectors in the Premium section of Automobiles. These cars are of course not very common to see on the roads but they are always under the limelight wherever they go. Exotic cars could vanish in just a wink of an eye and they have looks that could kill. They are pretty expensive and it takes years for a few to own them and a lifetime for a common man to even dream of! Brands like Lamborghini, Ferrari etc have made in their way into the Indian market and the attention of Chennaites is now focusing on premium car brands. They are very expensive and requires heavy maintenance. Chennai has some amazing collection of exotic cars like Lamborghini, Ferrari, Bentley etc owned by Supercar enthusiasts who have nothing but sheer passion and love towards Automobiles.

Chennai has now come up with a supercar club called

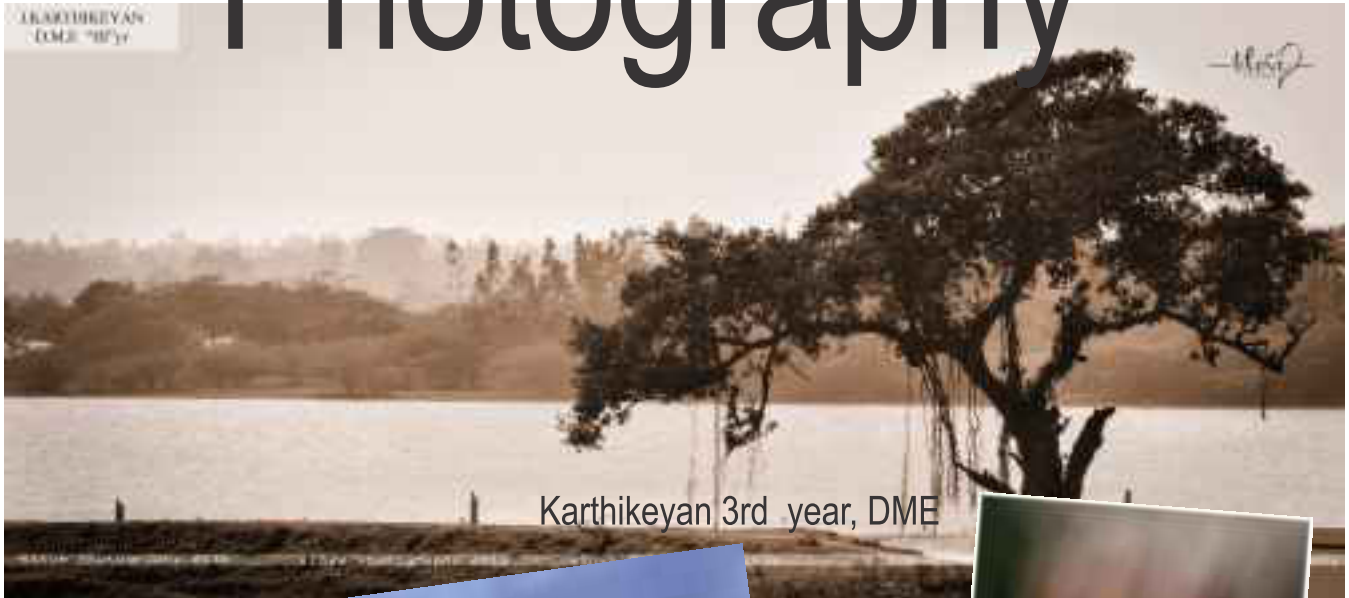
“Madras Piston Heads” which has a bunch of Automotive enthusiasts aging right from the teens to a 60year old. They know how to bust their weekday stress out on the weekend! Every Sunday morning, they have a casual drive to the ECR with the group at cruising speeds and take utmost pleasure of the chill misty morning. Roads ofcourse in Chennai aren't that great but driving an exotic car on these roads is a challenge that you really need to focus on overcoming. You are enlightened with many terminologies like crossing the speed breaker without scraping underneath just by inclining the car at an angle but not straight. If you wish to get more updates on exotic cars from chennai, follow [chennaixotics](#) on facebook & Instagram and that is a promise that you will not be disappointed!

**Taha Hussain S.M**

3rd Year DAE



# Photography



Arjun, Lecturer, ECE



Saravanan, 3rd year, Auto,



Ananthakrishnan G, 2nd year, D.Civil



Taha Hussai, 3rd year, Auto





A collage of various student artworks, including portraits, landscapes, and abstract drawings, with the word "Artwork" overlaid in the center.



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