



Late Dr. KCG VERGHESE
FOUNDER

DEPARTMENT OF MECHANICAL ENGINEERING

I M P A C T

Newsletter

Highlights of the Department:

- The Department of Mechanical Engineering had its inception in the year 1998 and is permanently affiliated to Anna University.
- We have Mou's with Companies Like Nord Drive Systems, The Eagle view (NABL Accredited and Calibration Laboratory), CADD Centre Software Solutions Pvt Ltd
- The department has bagged an AICTE project for Rs.8,50,000 in the area of composite materials. Nearly 40 % of the students leaving the department after their course are pursuing Master's program from reputed Indian & Foreign Universities.



KCG

COLLEGE OF TECHNOLOGY
(A Unit of Hindustan Group of Institutions)

DEPARTMENT OF MECHANICAL ENGINEERING

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VISION OF THE DEPARTMENT

The department aspires to become a globally recognized centre of excellence by producing competent professionals in Mechanical Engineering to serve as a valuable resource for industry and society.

MISSION OF THE DEPARTMENT

- Impart intellectually rigorous and holistic education to the students in the field of Mechanical Engineering.
- Establish state-of-the-art facilities for research and consultancy work.
- Enhance the knowledge and skills of the faculty with the latest advancements in the mechanical engineering domain.
- Mentor the students to develop research and entrepreneurial capabilities.
- Inculcate a high degree of professionalism and contribute to the needs of industry and society

Programme Educational Objectives

PEO 1	Excel as competent professional or entrepreneur or researcher in related fields of Mechanical Engineering.
PEO 2	Analyze, design/develop innovative solutions for real world engineering problems using appropriate modern tools.
PEO 3	Exhibit professionalism, ethical attitude and adapt to the changes in the industry and society supporting sustainable development.
PEO 4	Lead and manage teams for effective execution of projects.

From the Editor's Desk

Hello,

We the Mechanical Engineers are extremely delighted to put forth this edition of newsletter IMPACT, for the year 2015. This news letter reports various significant activities and achievements of the department, along with other information you would love to know. The whole section gives the comprehensive coverage of various happenings in the student professor environment, also it enlightens you with the students efforts the projects, achievements and awards in curricular and co curricular.

It is really heart warming to see all the contributions and the Editorial Board appreciates the time and effort that have been devoted by the different contributors. Suggestions to improve the newsletter content are always welcome.

With Regards
Editorial Team

Mechamorphis'15 V2.0

The Department of Mechanical Engineering conducted its National Level Technical Symposium MECHAMORPHIS'15 V2.0 on August 22, 2015. The Department organized various events like Paper Presentation-Mechanical, Paper Presentation - Multi-Disciplinary, Technical Connexions, Top Gear Quiz, RC Cars, Water Missile, Project Presentation, CAD Modeling, Assembling & Dismantling, Robo Race, Photography and Me-

chanical Triathlon.

The registration of the symposia began at 08.00 am. There were about 350 registrations from various engineering colleges from Tamil Nadu and other neighboring states. The Chief Guest for the Inaugural Function. Dr.M.Ramakrishnan, CTO, Sriram SEPL Composites Pvt Ltd and Mr.Pradeep, Manager -Inventory Control, Ford In-

dia was the Chief guest for valedictory function.



Mechamorphis '15- Inaugural Session

FDP on “Engineering Graphics” (GE 6152)

A Faculty Development Programme (FDP) on Engineering Graphics was conducted by the Mechanical Engineering department of KCG College of Technology from 18th to 25th August 2015. Twenty faculties participated in this FDP. Six faculties from other colleges and fourteen internal faculties attended the FDP. The participants gained

knowledge on efficient delivery techniques of Engineering Graphics course to the student community.

The FDP was organized by Dr. N. Govindaraju, HoD – Manufacturing Engineering department. Dr. T.Rengaraja, Principal, KCG College of Technology and Dr.S. Ramesh, HoD –Mechanical

Engineering department inaugurated the FDP on August 2015. The programme was conducted for seven days. All the sessions were handled by well experienced faculty members. Three sessions were handled by external resource persons, who are well known for their publications on “Engineering Graphics” books.

*“To Make Every
man a Success and
no Man a Failure”
-Dr.KCG Verghese*



Lecture Session By Dr.T.Jeyapooan

Awards & Achievements

- Mr.Jeshurun Vineeth Roshan From II Mechanical Engg won 1st place for the event battle of bands in the Cultural Day held at KCG College of Technology on 27th March 2015.
- Mr.Manoj Kumar of III Mechanical Engg won the title Mr.Techofes held at Anna University in 2015.
- K.Dhilipan was selected to represent 2nd RAJIV GANDHI INTERNATIONAL CRICKET CHAMPIONSHIP organized by cricket federation of Hyderabad.
- S.Rajesh Kannan, K.Gobivel attended a one day Workshop on Advancements in Welding Technology (AWT -15) at NIT Trichy on Dec 2015.



- Dr.S.Ramesh was attended as a chairperson in an International Conference on Advances in Mechanical Engineering ICAME (2015) held at UCEV, Villupuram, Tamil Nadu, At UCEV, Villupuram on October 2015.
- Dr.G.S Kumarasamy published a paper titled Measurement and optimization of surface rough-

ness and tool wear via grey relational analysis, TOPSIS and RSA techniques in an International Journal of the International Measurement Confederation "MEASUREMENT" .

- Mr.Aamir Massoud won III Place in Regional Final-Chennai, organized by ICT Academy of Tamilnadu (ICTACT) held at KCG College of Technology on 16.09.2015.
- Mr.B.Surendar, won the title "Chennai Winner" for the dance competition held at Hindustan University organized by Maruti Suzuki Color of Youth Season partnered by MTV India.

Faculty Development Programmes

- Dr.S.Ramesh attended a Seminar on Business opportunity with Southern Railways held at Hotel Hilton Chennai
- Mr.Maheshwaran attended a seminar on IC Engine Combustion and Emission control Technique at Hindustan University.
- Mr.Mahesh Kumar and Mr.Rajesh Kumar attended a National level one day workshop on Technique of Reverse Engineering in product development and Manufacturing (TREPDM-2015) held at IITM Kancheepuram.
- Dr.S.Ramesh attended a seminar on Powder Metallurgy: Technology and Application held at IITM.
- Mr.Muralikrishnan attended a workshop on Renewable Energy and Application held at Agni College of Technology.
- Mr.Rajesh Kumar attended a workshop on CFD Application on Turbo Machinery.
- Mr.Nishant Mayekar attended the PALS 5 First EC Meeting held at IITM.

Industrial Visits

- A team of 5 students and 1 staff went for an Industrial Training for one week in Nord Drive systems,Pune
- A batch of 130 students went for an Industrial visit to Ennore thermal power Station and loco works,Perambur
- A team of 120 Students of II & III mechanical Students visited Sakthi Industries Chennai.
- Ajit Kumar Rajan & Balasubramanian of III year students went inplant training in India Pistons Limited in Dec 2015.
- Maruthosh & M.Sriram of IV year students underwent In plant training in TVS – Wheels India Limited on Dec 2015.
- R. Shanmuga Sowndar , S. Saravanan, P.Santhosh Kumar , K. Shanmuga Sundaram attended an In plant training in Simpson Company inn Dec 2015.
- M.Manikandan of III Year attended an In plant training in Rane brakes Lining July 2015.
- V.Sudhersanan of III Year underwent an In plant Training in Hyundai India Ltd in July 2015.



Industrial Visit to Integral Coach Factory, Chennai



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About the Department of Mechanical Engineering

The Department of Mechanical Engineering had its inception in the year 1998 and is permanently affiliated to Anna University. Mechanical engineering is a core area which provides the student with the skills required for a professional career in a wide range of sectors like finance, industry, consultancy and public services.

As the work of a mechanical engineer involves production, transmission and use of mechanical power and heat, we teach them to analyse the different materials used for the machines and their tolerances, investigate the different energy sources and the power they generate and the design problems if any. The department imparts knowledge in three major areas, namely Thermal Engineering, Manufacturing and Design. Student chapters of SAE, ISTE, Energy Club, and Institution of Engineers are also functioning effectively to help the student community.

Editorial Board

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IMPACT



M.N.Pragadish, Who turned an Entrepreneur during his Studies. He Started an Academy called DIYA (Do It Yourself Academy) a company that teaches school and college students engineering concepts through practical experiments. It tries to kindle an interest in engineering among the under privileged by conducting workshops on robotics for them by means of their venture TRY (The Reformer in You) which works with the help of engineering college students who are enrolled in their workshops. DIYA labs have conducted workshops in PSG Tech, Coimbatore, KCG College of Technology and MIT Chrompet.

