



- Established in 1998 and Affiliated to Anna University, Chennai
- 3,75,000 sq.ft. built up area in a serene 45 acre campus
- Undergraduate & Postgraduate Engineering programmes in the field of Aviation, Mechanical, Electronics and Information Technology

IMPACT

Newsletter

From HoD's Desk

Mechanical Engineering is a versatile and evergreen branch of engineering. Mechanical engineer can work in various fields like automotive system, airspace engineering, design engineering, dynamic system and control, power-plant engineering, etc. and most importantly in software field also. This newsletter is an attempt to highlight the achievements of the department, in spite of the space constrain we have showcased the best and look forward to have more in the future. I wish good luck to the entire team of editors and look forward for your kind patronage to our newsletter.



Dr. Z. Edward Kennedy

HOD/Mech



From Principal's Desk



It gives me great pleasure to give my best wishes to Impact, a newsletter from Department of Mechanical Engineering of KCG College of Technology. The students and faculties of department area-ways proactive in taking initiatives in technical, cultural and social events. I hope that this newsletter will serve the purpose of reflecting all activities of department and it will inspire others to do their best. Wishing you all the best.

Dr. T. Rengaraja
Principal

this issue

- Editors Desk **P.1**
- Guest Lecture, Staff **P.2**
- Seminar **P.3**
- Industrial Visits **P.4**
- In plant Trainings **P.5**

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 CADD Centre Software Solutions Pvt Ltd, CADDAM Technologies.

The department has bagged an AICTE project for Rs.7.0 lakhs in the area of alternative fuels. Apart from these, two student projects received funding of Rs.1.0 lakh each from AICTE. Nearly 40 % of the students leaving the department after their course are pursuing Master's program from reputed Indian & Foreign Universities. Many are placed in leading companies and a few others have become successful entrepreneurs.



Staff Activities

Mr. Mohamed Farhan, II year Mechanical Engineering student attended two days workshop on "Information Security" held in SRM University during July 27 & 28, 2013.

Mr. Burton Carey and Mr. Aditya Panwar, of Final year Mechanical Engineering participated (Quiz and Gaming) in the Espernza 2013 a National Level Technical Symposium organized by Velammal Engineering college on August 24, 2013

Mr. V. Govindarajan and Mr. Aravindlingam of III year Mechanical Engineering participated in the "Solid Works Design Validation" workshop conducted S. Asardeen IV mech 1st place in CAM Student convention completion by SAE India in October 2013.

"To Make Every Man a Success and no man a failure"

Guest Lectures organized by department



- Mr.P.G.Santhanam, Advisor Enfield India and Shriram Group delivered a Lecture on **Changing Trends in Automobiles** to the III year (60 Nos) and IV year Mechanical Engineering students (60 Nos) in the Digital Library on August 6, 2013.



- Mr.Pavak Patel, Executive, Autodesk delivered a Lecture on **3 D Design Challenge** for the III year and II year Mechanical Engineering students in the Mirza seminar theater on August 7, 2013.



- A guest Lecture on "Changing Trends in Automobile" was delivered by Mr. P. G. Santhanam, Advisor Enfield India on 6th August. 60 Undergraduate students attended the lecture.



- Mr.Ananda Kumar Deputy General Manager, Schwing Stetter delivered a Lecture on **six sigma** for the final year mechanical Engineering students in the Mirza seminar theater on August 14, 2013.



Guest Lectures organized by Department

- Mr.Chandrasekaran , Vice President corporate affairs , TAKE solutions addressed the III year and Final year Students on Supply Chain Management held in the digital Library on August 19, 2013.



- Prof. G. Meikandan delivered a series of Lecture on Engineering Design on various topics like Introduction to design components, Application of failure mode analysis in Industry, Gear and Gear box design, Belt and Clutch design, Challenges in Consultancy projects for the undergraduate and Post Graduate students on September 21, 2013.

The Department of Mechanical Engineering organized a “**National Seminar on Frontier Techniques**

National Seminar on Frontier Techniques in Automotive Manufacturing

in Automotive Manufacturing” during 9th and 10th October 2013. **Mr.Swithun Manoharan, Vice President, TAFE** inaugurated the session and delivered a talk on the challenges in Farm Machinery Manufacture. 10 Sessions were held and nearly 60 participants from various institutions and 120 participants from KCG college of Technology participated. People from various parts of South India (Bangalore , Hyderabad) were also participated in the Seminar. Resource persons from premier organizations like VOLVO, ASHOK LEYLAND - NISSAN, ROYAL ENFIELD, HITACHI, TAFE, FORD INDIA, SCHWING STETTER participated and delivered lectures on various topics. **Mr. Arthur Devadawson ,General Manager** of Ford India delivered a lecture on Challenges in passenger car manufacture and gave the certificates to the participants. The two days seminar ended with the National anthem.



Mr. Manoj, General Manager, Hitachi,
addressing the Gathering



Prof. Govindaraju welcoming
Mr.SwithunManoharan, Vice President, TAFE



Prof. Govindaraju
welcoming
Mr.Chakraborty, DGM, Ashok
Leyland

Two days BAJA Software Workshop – “CARSIM”



The Mechanical Engineering Department organized “Two days BAJA Software Workshop – CARSIM” on July 11th & 12th 2013. Students from various colleges around Tamil Nadu were participated. The Chief Guest of the Workshop was Mr. Arun Sundaresan Application Engineer, Xitadel Technologies, and Bangalore. It also organized guest lectures on Changing Trends in Automobiles, 3 D Design Challenge, Six Sigma, Supply Chain Management , Introduction to design components, Application of failure mode analysis in Industry, Gear and Gear box design in Industry, Belt and Clutch design and Project works – Consultancy projects.

I
M
P
A
C
T



“To Make Every Man
a Success and no man
a failure”

Industrial Visits

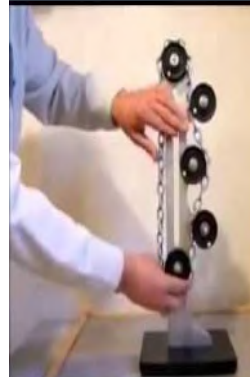
- Dr.G.S.Kumarasamy, Mr.Arun Kumar, Mr.Jagwant and Mr.Baskaralal of Mechanical Engineering Department of K. C. G College of Technology attended an industrial visit to **Wabco TVS** and **Brakes India Limited** to know the **Mission on Best Manufacturing Practices** organized by Confederation of Indian Industry (CII) on July 26, 2013.
- On 13th August 60 students of our department visited SCHWING Stetter (INDIA) Pvt. Ltd, SIPCOT Industrial Estate, Irungattukottai, Sriperumbudur, Kanchipuram District - 602117.
- On 11th October, 98 students of our department visited Anna Aluminium Company Private Limited. Anna Group came into existence in 1968 with the initial venture- Anna Aluminium. Through this successful undertaking, the group conquered the market with high quality aluminium sheets, circles, vessels and utensils made from 99.5 per cent pure aluminium ingots.
- On 11th October, 98 students of our department visited Ashok Leyland, Kathivakkam High Road, Kathivakkam, Ennore, Chennai, TamilNadu. This company can boast about them being among the best *auto parts manufacturers*. Hence the production here never slows down.



In plant Training

The following students of Mechanical Engineering department participated in the inplant training during the month of June –July 2013.

SI No	Name of the Student	Year	Name of the company	Date/Duration
1	Ganesh Kumar T	IV	Hyundai	June 3-7 ,2013
2	Ganesh Kumar T	IV	Ashok Leyland	June 26-30, 2013
3	Ganesh Kumar T	IV	Metropolitan Transport Corporation	June 4 – 8,2013
4	Balaji	III	UCAL Fuel system	27 th June to 1 st July 2013
5	VamsidharRao	III	Woory Automotives	June 10-15 th ,2013
6	TamilMagan	III	Sundaram Fasteners Ltd	June 17 th –21 st June 2013
7	Mohamed Irfan	III	UCAL Fuel system	27 th June - 1 st July 2013
8	Aravindh .A.	III	UCAL Fuel system	27 th June - 1 st July 2013
9	Surya N.K	III	TEBMA shipyards Ltd	June 17 th - 22 nd 2013
10	Ramcharan.P	III	Woory Automotives	June 10 th -15 th 2013



“To Make Every Man
a Success and no
man a failure”

I
M
P
A
C
T

Students Achievements/Awards

- **R.Kowshik and S.karthik** of Final year Mechanical Engineering won the second place in the **Quiz competition** in a National Level technical symposium SWIVEL-13 conducted by M.N.M Jain College on August 24, 2013.
- Allen Nobel of Final year Mechanical Engineering has secured second place in the event **Machining** in a National Level technical symposium SWIVEL-13 conducted by M.N.M Jain College on August 24, 2013.





I
M
P
A
C
T

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 analyze 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.

IMPACT Issue 01 July-Dec 2013

Contact

Dr. Z. Edward Kennedy

Professor & Head

Department of Mechanical Engineering,
KCG College of Technology,
Karapakkam, Chennai.

Ph. : +91-44-2234 0968 / 2234 2508

Fax: +91-44-2234 2170

Email: hodmech@kcgcollege.com

www.kcgcollege.ac.in

Courses Offered in Department of Mechanical Engineering

- **B.E Mechanical Engineering**
- **M.E Engineering Design**
- **M.E Manufacturing Engineering**

Editorial Board

CHIEF EDITOR

Dr. Z. Edward Kennedy

FACULTY MEMBERS

Mr. K.G.Maheshwaran, Associate Prof.

Mr. R.MagendraVarma, Associate Prof.

Mr. S. Mahesh Kumar, Assistant Prof.

STUDENT MEMBERS

Bharathi.D, IV Mech

Sudharsan B, IV Mech

Ajith Kumar M.M, III Mech

Suryanarayanan.C.P, III Mech

Jayapal Sadasivam, II Mech

Puja priyadarshini N, II Mech

At the forefront of innovation

- Established in 1998 and Affiliated to Anna University, Chennai
- 3,75,000 sq.ft. built up area in a serene 45 acre campus
- Undergraduate & Postgraduate Engineering programmes in the field of Aviation, Mechanical, Electronics and Information Technology