

# MECH BULLETIN 2015



ENGINEERING COLLEGE

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## Department of Mechanical Engineering

### About us

The Mechanical Engineering department was started in the year 1998 and the first batch graduated in 2002. The department has dedicated, qualified and experienced faculty members with specialization in various fields of knowledge. Workshops and symposiums are organized every year by the department to update the students with the latest/upcoming technological developments.



### Department Vision and Mission

#### Vision

- Establish a globally recognised school of Excellence in the field of mechanical engineering.

#### Mission

- Impart quality education in Mechanical Engineering through effective teaching – learning techniques.
  - Provide necessary infrastructure and facilities for the student's personal and professional growth.
  - Expose to specialised mechanical engineering domains to harness evolving technologies.
- Create awareness in ethical practices followed internationally.

**CHAIRMAN MESSAGE:**

It had always been my dream to build an institution for quality, innovation and excellence that can yield success. M.I.E.T institution was established with a primary motive of providing quality education to the budding youth, under privileged as well as the minority community which in turn would translate into service to the humanity in general and to the society in particular.

M.I.E.T edify the pupil to dream and realize the professional growth in a congenial environment with versatile faculty and facilities while enlightening them with values and characters to attain social, economical and technological growth at global level. Students must strive and create a platform to get a career not just for survival but also to excel in the field. Today is the era of privatization and globalization and we try to groom, nourish and nurture our students to fully equipped pillars of the Nation. My best wishes and blessing to all for the future endeavors.

**PRINCIPAL MESSAGE:**

It is a matter of abiding joy in witnessing a gradual success of our college by tapping the latent potential and talent dormant in the students. We know that quality education is a passport to its steep rise in life and creates a platform for practical avenues. They pursue their creative interests to attain financial gains and get golden opportunities to lead a life of dignity and prosperity. M.I.E.T Engineering College has efficient faculty members who are endeavored towards framing young and dynamic engineers who will crux of the technical workforce. Best wishes.



**Er. A. Mohamed Yunus**  
Chairman  
M.I.E.T. Institutions



**Dr. S. Guharaja**  
Principal  
M.I.E.T Engineering College

## **In- plant Training / Paper Presentations/ Workshop-Students**

- Mr. Inamul Hasan. Z, third year Mechanical Engineering has undergone “Inplant training” at Ashok Leyland, Chennai from 6th Jan to 10th Jan 2015.

- Mr. S. Mohammed Suhail, Mr. S. Rasheed Ahamed, Mr. M. Nataraj and Mr. A. Mohammed Rilwan, student’s of third year Mechanical Engineering Department has participated a three days Hands on training workshop on Automotive Design and Analysis conducted by IIT Delhi at Mahath Amma Institute of Engineering and Technology, Pudukkottai on 30th January 2015.

Mr. S. Mohammed Suhail, Mr. S. Rasheed Ahamed, Mr. M. Nataraj and Mr. A. Mohammed Rilwan, student’s of third year Mechanical Engineering Department has participated in National Level Technical Project Exhibition and Competition ‘Impulse type Dynamic Wing Turbine’ in The final round of SRISHTI 2015 held at Saintgits College Engineering, Kerala on 13th and 14th Feb 2015.

- Mr. S. Joshua, student of third year Mechanical Engineering Department has participated and got first place in the CAD Modelling contest held at Arasu Engineering College, Kumbakonam on 20th Feb 2015.

Mr. Dharik Hasan. A, Mr. Ram Prakash. K, Mr. Mohamed rifasul hussainudeen. A, Mr. Narendra Kanth. L, Mr. Nagalingam. P, Mr.Pavithran. G, Mr. students of third year Mechanical Engineering Department has attended a workshop on ‘Automotive Engine’ during EXPRO’15 held at Madras Institute of Technology, Chennai on 20th Feb 2015.

- Students of third year Mechanical Engineering Department Mr. J.Noor Mohamed got FIRST place and Mr.A.Abdul Rasool got SECOND place in the event “Da Vinci” in the PRODIGY’15 organized by Department of Production engineering, National Institute of technology(NIT), Trichy on Feb-2015.

Mr. J. Noor Mohamed and Mr.A.Abdul Rasool students of third year Mechanical Engineering Department has participated in the workshop 'Fluid sim' in the PRODIGY'15 organized by Department of Production engineering, National Institute of technology(NIT), Trichy on Feb-2015.

- Mr. C. Eswara kumar of second year Mechanical Engineering Department has attended the Two days workshop on 'Robotics and computer Applications' held on 6 th and 7th March 2015 at Amrita Vidyapeetham University, Coimbatore.
- Mr. A. Mohamed Rilwan, Mr. S. Rasheed Ahamed and Mr. M. Nataraj, student's of third year Mechanical Engineering Department has participated and won FIRST Prize in the event autoSTROKE 2015 held at IIT Roorkee, on 27th to 29th Mar 2015.
- Mr. P. Ramanarayanan and Mr. A. Salih Arshad, student's of final year Mechanical Engineering Department has participated and won FIRST Prize in the event paper presentation held at Mookambigai College of Engineering, Pudukottai on 2nd Apr 2015.

Mr. P. Ramanarayanan and Mr. A. Salih Arsad, student's of final year Mechanical Engineering Department has participated and won FIRST Prize in the event Prototype Modelling held at Mookambigai College of Engineering, Pudukottai on 2nd Apr 2015.

**Guest Lecture attended by Students:**

- Students of second, third and final year Mechanical Engineering has attended Guest lecture on "High energy batteries in Aerospace" by Shri. R.Ramasubramanian DGM/ R & D and Shri.C.K.S.Rajadurai Deputy Manager / Projects, High Energy Batteries (India) Limited, Mathur, Tiruchirapalli, India on 17th March 2015.

**Anna University Rank Holders:**

- Mr. R. Azhagarsamy (Rank 19), Mr. Y. Mohammed Hasian (Rank 29), Mr. S. Palani Kumar (Rank 37), Mr. M. Dhinesh (Rank 48), Mr. V. Nishanthraj (Rank 48) and C. Ramkumar (Rank 49) has secured Anna University Rank in April/ May 2014 University Examinations.



**Workshop Organized By Mechanical Engineering Department :**

- Two Days Short - Term Winter Hands On Workshop Programme In Libre Cad An Open Source Computer Aided Drafting Software held on 11th and 12th Dec 2014 organized by Department of Mechanical Engineering at M.I.E.T.Engineering college.



Our Principal Addressing the Gathering



Dean, Mechanical issuing certificates to the Participants from various colleges.



Participants with Our Principal, Dean and Organizers.

Two Days Hands on Workshop Programme in Libre Cad an Open Source Computer Aided Drafting Software held on 26th and 27th Feb 2015 organized by Department of Mechanical Engineering at M.I.E.T.Engineering college.



Prof. K. Balamurugan, HOD / Mechanical Addressing the Gathering



Mr. S. Renold Elsen, Assistant Professor, Mechanical on his presentation.



Our Principal issuing certificates to the Participants from various colleges.

**Workshops / Conferences attended by the Faculty members:**

- Dr. A. Kumaravadivel, Dean / Mechanical, Mr. L.S. Narendhira, Assistant Professor Department of Mechanical Engineering has presented a paper entitled “Innovative Maintenance Approach to improve Quality and Safety using Type-2 Fuzzy Logic System with TRIZ evaluation” in the International Conference on ‘Quality through Innovation’ held at Anna University, Chennai on 19th and 20th Feb 2015.
- Mr. Kumaravadivel A/Professor and Ms. A. Evangeline student of First year M.E - Manufacturing Engineering Participated and won the Best Paper Award on “Application of Lean Six Sigma in automobile Industry: A case study” ICFETET-2015, International conference held on 7 & 8th April at PSNA college of Engg, Tamilnadu, India.
- Mr. L.S. Narendhira, Assistant Professor Department of Mechanical Engineering and Mr. M. Vishnukumar M.E. Manufacturing Engineering has presented a paper entitled “Quality improvements in Friction welding of tube to tube plate

Mr. S .KamatchiSankaran, Associate Professor, Department of Mechanical Engineering has presented a paper entitled ‘Comparison of workability strain and stress parameters of Magnesium powder metallurgy Reinforced with Graphite and Titanium carbide during cold upsetting’ in the International Conference on Recent Innovations in Engineering & Technology - 2015 held at Mahabarathi Engineering College, Villupuram on 13th and 14th Feb 2015.

- Mr. S. KamatchiSankaran, Associate Professor, Department of Mechanical Engineering has presented a paper entitled ‘Effect of Sn and Tic in magnesium matrix on workability and strain hardening behavior of powder Metallurgy composite’ in the International Conference on Recent Innovations in Engineering & Technology -2015 held at Mahabarathi Engineering College, Villupuram 13th and 14th Feb 2015.

**Publications and Achievements by Faculty members**

- Mr. K. Ramesh, Associate Professor, Department of Mechanical Engineering Published a Journal Paper entitled 'The simple Genetic Algorithm Approach for Optimization of Nesting of sheet metal parts in Blanking Operation' in Journal of Advanced Manufacturing systems, vol. 14, No. 1, 41-53 published on 23-01-2015.
- Pillai Subramani Jivanandan, M.Visvam Assistant Professor Published a Journal Paper entitled Analysis of the Mechanical Properties and Structure of Aluminium(AI 5083) Processed by Equal Channel Angular Pressing in International Journal of Engineering Science and Computing, June 2016 Volume 6 Issue No. 6.

List of faculty members who produced 100% results in Nov/Dec'14 PG Examinations

Mr. L.S.Narendhira

MF7014 – Manufacturing Management

III Semester – M.E. Manufacturing Engineering

Mr. A.Pandianathan

MF7101 – Advanced material technology

I Semester – M.E. Manufacturing Engineering

Mr. K.Ramesh

MF7102 –Automated computer Integrated manufacturing

I Semester – M.E. Manufacturing Engineering

Mr. L.S.Narendhira

MF7103 – Micro manufacturing

I Semester – M.E. Manufacturing Engineering

Mr. S.Renold Elsen

MF7104 –Robot design and programming

I Semester – M.E. Manufacturing Engineering

Mr. M. Visvam

MF7003 –Advances in casting and welding

I Semester – M.E. Manufacturing Engineering

### 13th Convocation Function

The Management congratulates 46 students of Mechanical Engineering who got their Degree certificates in the Convocation function held on 13th March 2015 of which **6 students are University Rank holders.**

### Management Prize Award

- The Management congratulates the following Staff members for producing 100% results in the subject Engineering Graphics in the Apr/May'14 "UG" Examinations and awarded Rs.6,000 Cash prize
- Mr. M. Dhandayuthabani, Assoc. Professor
- Mr. T. Ramkumar, Assistant Professor
- Mr. L. S. Narendhira, Assistant Professor
- Mr. P. Pradeep, Lecturer

### Mechanical Symposium MIET'15 on 17th March 2015



Inaugural function of MIET'15





Shri.C. K. S.Rajadurai Deputy Manager on his presentation



Dr. K. Subramanian, professor / Mechanical engineering government college of engineering, srirangam, Tiruchirapalli



Prototype of aircraft

**Chief Editor**

**Dr.A.Kumaravadivel      HOD/MECH**

**Co- Editor**

**Mr.M.Kirubakaran      AP/Mech**

**Students Editors**

**DINESH KUMARAN R (Final Year/Mech)**

**ESWARAN K(Final Year/Mech)**