

MECH BULLETIN 2017



MIET 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 recognized 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 specialized mechanical engineering domains to harness evolving technologies.

Create awareness in ethical practices followed internationally.



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

CHAIRMAN MESSAGE:

M.I.E.T Educational Institutions strives to excel by providing unparalleled excellence in academic prospectives in a congenial atmosphere. The budding pillars here are given scrupulous value based education to mould themselves as diligent citizens. To build a harmonious society, M.I.E.T fosters comprehensive and collective practices uncompromising on the quality of education that is installed positively. The focus is also to nature intellectual and cognitive developments in the changing scenario as a catalyst to grow with the transformation in the country.

A holistic essence of positive sign has spread throughout for Engineering and management education. The learning practices with innovation and interest will definitely upscale the standards to serve the future generation. This has been proved here through the immense programs conducted and attended by our staff and students. The continual involvement disseminated in our campus to keep abreast of all the advancement emerging globally is appreciable. I am here to encourage you to explore and seek great opportunities available to reach the pinnacle of eminence in all endeavors.



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

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. Bestwishes.

In-plant Training / Paper Presentations/ Workshop-Students

- S.Vinoth, M.Ashok, M. Balachandar, K. Ganesh Pandiyan, S. Manikandan, R. Ajith Kumar and K. Sathish of third year attended a workshop on “Advanced automotive workshop (2 & 4 wheelers service techniques)” on March 25th& 26th 2017 at Nicola Educational and Research Institute, Chennai.
- S. Santhosh Kumar, A. AnifJaffrin, N.Ashikfirthose, S. Mohamed Fazil and M. Mohamed BathurulJaman of third year attended a workshop on “Steels for Automotives” organized by the Department of Metallurgical and Materials Engineering in Mettle 2017 at National Institute of Technology, Trichy.
- A.S.MohamedRishvan, S.Mohmed Khalifa, A. MelwinMonoj and S. Mohamed Riyasdeen of third year attended a workshop on “Vehicle Reconstruction” from march 9th to 12th at VIT University, Vellore.
- G. Krishna Ramkumar of final year, S. Faizal and M.Sadhique Ahamed of third year presented a paper in the International conference on “Optimization of Madhuca ethyl ester using heterogeneous catalyst sodium methoxide from madhuca oil” held at Bannari Amman Institute of Technology, Sathyamangalam from 10th& 12th March 2017.
- A.Nazeer Ahamed of final year has undergone In plant training at “Diesel loco shed”, Southern Railway, Trichy from 02-01-2017 to 07-01-2017.

- A Guest lecture on the Topic “Engineering Materials and Metallurgy” was conducted for the II year ‘A’ and ‘C’ section Mechanical Engineering students on 31.01.2017. Dr.V.Muthupandi Professor, Department of Metallurgical and Materials Engineering, National Institute of Technology, Trichy, delivered lecture to the students.



- Mr.L.S.Narendhira, Assistant professor, Dept of Mechanical Engg honoring the chief guest



Dr.V.Muthupandi addressing the students

- A special lecture on “Application of Boiler materials” was delivered by Dr.S.Sakthivel, Project Manager, MIET Engineering College for the II year ‘B’ section Mechanical students on 31.01.2017.



Dr.S.Sakthivel, Project Manager addressing the students

- A training program was conducted for the final year and third year of Mechanical Engineering students on the topic "Face the Future" on 19.01.2017. Mr.R.Ravikumar, General Manager, Roots Multiclean Ltd, Coimbatore delivered the lecture to the students.



Mr.R.Ravikumar, addressing the students

- A special lecture on "Lean Manufacturing" was conducted for the Mechanical department faculty members on 26.04.2017 in the Mechatronics laboratory. Dr.S.Sakthivel, Project Manager, MIET Engineering College delivered lecture to the faculty members.



Dr.S.Sakthivel addressing the staff members

Guest lecture attended by Faculty

- Mr.L.S.Narendhira, Mr.T.Ramkumar and Mr.D.Senthilkumar, AP, Mechanical attended a Faculty Development Programme on "Engineering Graphics" on May 25th& 26th 2017 at M.Kumarasamy Engineering College, Karur.
- Mrs.S.Roseline, HOD, Mechanical, Mr.M.Vivekananthan, Mr.D. Manikandan and Mr.K.Dhamodaran, AP, Mechanical attended a Faculty Development Programme on "Wear and Wear Property" on 29-05-2017 at M.Kumarasamy Engineering College, Karur.
- Mr.K.Rajasekar, AP, Mechanical attended a Faculty Development Programme on "Design of Machine Elements" on 8th to 14th June 2017 at Mahendra College of Engineering, Salem.
- Dr.S.Renoldelsen, AP, Mechanical attended a Faculty Development Programme on "Computation Fluid Dynamics" on 12th to 17th June 2017 at SASTRA University, Tanjore.

- Mr. L.S.Narendhira, Mr.S.Thulasiram, Mr.M.Vivekananthan, AP, Mechanical attended a Faculty Development Programme on “ Vehicle dynamics” on 4.12.2017 to 10.12.2017 at University college of Engineering, BIT, Campus, Trichy .
- Mr.R.Sankaradoss, AP, Mechanical attended a Faculty Development Programme on “Finite Element Analysis” on 23.11.2017 to 29.11.2017 at PSNA college of Engineering and Technology.
- Mr.M.Kirubakaran, Mr.S.Moorthy, Mr.I.Devaraj, Mr.V.Pandiaraj, Mr.K.Mohan, Mr.S.Vinoth kumar, Mr.W.Edwin lyonal, Mr.M.Gowthaman, Mr.E.Manikandan, Mr.A.Pandianthan, Mr.M.Visvam, Mr.D.Manikandan, Mr.A.Mohanasundaram, Mr.K.Dhamodaran, Mr.B.Deepakrajan, Dr.C.Ahilan, Mr.M.Ajmal Fareedh, Mr.T.Ramkumar, Mr.M.Senthil, Mr.P.Pradeep, Mr.S.Senthilkumar, Mr.D.Senthilkumar, Mr.K.Rajasekar, Mr.K.Sundaravadivel and Mr.K.Panneerselvam AP, Mechanical attended a Faculty Development Programme on “ Terahertz communication: Next Frontier for Wireless communications” on 18.8.2017 to 19.8.2017 at M.I.E.T. Engineering college, Trichy.

Guest lecture delivered by staff members to other college students

- A two day workshop on ‘Non-Destructive Testing’ was conducted by the Mechanical Engineering department for the final year students of Government Polytechnic College, Kantharvakottai, on 19.12.16 and 20.12.16. Dr.S.Guharaja, Principal, MIET Engineering College inaugurated the function nearly 50 students participated in this programme. Dr.S.Sakthivel, Project Manager, Prof.S.Dhakshinamoorthy, Mrs.S.Roseline, HOD/Mechanical Engg. and Dr.S.Renoldelsen, Assistant Professor, MIET Engineering College were the chief speakers of the workshop.



- Dr.S.Sakthivel addressing the students A two day workshop on Non-Destructive Testing was organized by the Mechanical Engineering department for M.I.E.T. Polytechnic students from 28.11.16 to 29.11.16. Dr.S.Guharaja, Principal, M.I.E.T. Engineering College inaugurated the function in which 53 students were participated. Dr.S.Sakthivel,

- Project Manager, Prof.S.Dhakshinamorthy, Assoc. Prof., Mechanical and Dr.S.Renoldelsen, AP, Mechanical were the chief speakers of the workshop.



Dr.S.Renoldelsen, AP/Mechanical, presents a topic on "Mechanical testing".



Mr.S.Dhakshinamoorthy, Prof., Mechanical, presents a topic on "Advantages & applications of NDT".



Practical session conducted by Mr.K.Dhamodaran, AP/Mechanical, on "Impact testing methods".



Practical session conducted by Mr.S.Thulasiram, on "Torsion testing methods".

- Dr.S.Renoldelsen, AP, Mechanical has delivered a Guest lecture on the topic "Ideation to Innovation" to M.I.E.T. Polytechnic students.

Career Development Programme for Mechanical Engineering Students:

The objective of the programme was to develop their Soft skills, communication and give confidence to face the interview.

- Mrs.S.Roseline, HOD/ Mechanical Engineering department has inaugurated the Career Development Programme 2017 on 01-02-2017 and Mr.P.Sundaram, AP / Mechanical was the Programme Coordinator.



- Mr.P.Sundaram, AP/Mechanical, presents a the topic "Ice Breaker - Self Evaluation" and "Group discussion"



Mr.L.S.Narendhira, AP/Mechanical, presents a topic on “Industrial Expectations & Communication Skills” and “Personal Interview”



Mr.M.Visvam, AP/Mechanical, presents a topic on “Government Job Awareness - Improve Confidence”.



Mechanical department Project Expo 2017

The Project Exhibition was inaugurated by honourable chairman Er. A. Mohamed Yunus on 5-5-2017 in the M.I.E.T. Engineering college Auditorium.

Students from MIT Industrial Training institute, Pullambadi, Trichy and students from various educational institutions have attended the programme.



Reciprocating pump for integrating MIET turbine and MIET tank guided by Dr.S.Renoldelsen, AP/ Mechanical



Waterless and odorless toilet guided by Dr.S.Renoldelsen, AP/Mechanical



Coconut tree climbing machine guided by P.Sundaram, AP/Mechanical



Fodder grass cutter machine guided by P.Sundaram, AP/Mechanical

Mechanical Engineering Department Symposium MIET'17

Department Of Mechanical Engineering has Organized a National level technical Symposium "MIET'17" On 21-02-2107. Dr.B.Asha, Assistant Professor, Department Of Civil Engineering, Annamalai University, Chidambaram were The Chief Guest. Dr. T. Parameshwaran Pillai, Assistant Professor, Mechanical Engg. Department/ BIT Campus, Trichy. Students from various Engineering colleges have participated in the symposium MIET' 2017 actively.



Welcome Address by Dr. A. Prabakaran, HOD / CIVIL Engg., DEAN - Research & Development



Presidential Address by Dr.S.Guharaja, Principal, M.I.E.T. Engineering college



Chief Guest Introduction by Prof. S. Roseline, HOD / Mechanical Engineering department



Dr. B. Asha, delivers the Chief Guest address



Mechanical Department Symposium Poster

Paper Published by Faculty Members

- M. Kirubakaran**, have published paper on
A comprehensive review of low-cost biodiesel production from waste chicken fat in Renewable and Sustainable Energy Reviews
- M. Dhandayuthabani, S. Kumaradevan, S. Jegadheeswaran** have published paper on
Charging and Discharging analysis of Paraffin wax blending with Aluminium Micro particles in heat exchanger Journal of Applied Science and Computations
- C. Ahilan & S. Thiyagarajan** have published paper on
Modeling and Prediction of Shell and Tube Heat Exchanger Performance using ANN in International Journal of Scientific Research and Review
- D. Manikandan, C. Ahilan** have published paper on
Experimental Analysis on physical and mechanical properties of 3Y-TZP toughened alumina (ZTA) composites using conventional sintering in Journal of applied science and computations

- **K.Sundaravadivel,Devaraj,K.Rajasekar,V.Pandiaraj**Jegadheeswaranhave published paper on Optimization of milling parameters of en8 d using taguchi methodology inJournal of applied science and computations
- **M.Vishnukumar, L.S.Narendhira, M.Kirubakaran**have published paper on Friction Welding of MgAz31Alloy Tube to MgAz91 Plate Configuration by using Zinc Interlayer in Journal of applied science and computations
- Mr.T.Prabakaran,Mr.T.Ramkumar, Mr.M.Visvam have published paper on COMPARISON OF TIG WELDING AND PLASMA ARC WELDING ON DUPLEX STAINLESS STEEL in International Journal of research December 2016 volume no 5 Issue No:2

Faculties/ Students Achievements

- S.Mohamed Riaz, M.Manikandan, M.A.MohamedSirajudeen, J.Mohamed Basheer, M.MohamedRashik and Y.MohamedJawahir of second year has won 2nd prize and S.Pramoth, B.A.Vassim Ahamed, N.Mohamed Anas and M.A.MohamedMurshied of second year participated in the event “Mini bike design ,Fabrication and racing contest” on 31-08-2017 at J.N.N Institute of Engineering, Thiruvallur.
- S.Mohamed Muneer of final year has won third prize with cash amount of Rs.2000 in the “State Level HR Quiz” organized by National Institute of personnel management, Trichy (NIPM) held at St.Joseph’s Institute of Management, Trichy (JIM) on 16-12-2017.
- Dr.C.Ahilan, Professor applied a seminar proposal on the topic “Modern Composite and its role in Industries” as a part of funding Rs.40,000 provided by DRDO.
- Dr.C.Ahilan, Professor applied a seminar proposal on the topic “Recent advances in composite materials” as a part of funding Rs.40,000 provided by ISRO.

Chief Editor

Mrs.S.Roseline, HOD

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Students Editors

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