

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 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 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.

PRINCIPAL MESSAGE:

In a fast developing nation like ours, the technical education proves to be the backbone and stepping stone to move into the domicile of a developed nation. It is well acknowledged that Engineers are vital to augment the economy and society. Manifestly their knowledge and skills are in high demand across a range of sectors, from manufacturing to financial services.

So it becomes the imperative responsibility of the technical institutions to harvest talented engineering professionals to meet the current and future demand across the globe. Our M.I.E.T. Engineering College has been enthusiastically contributing in the mission of transforming the rural India into developed nation by administering the institution with a high degree of innovation, creativity, human intelligence and passion towards excellence.

In- plant Training / Paper Presentations/ Workshop-Students

- J.SilverStalan, M.Sadhique Ahamed and S.Sakthivel of final year attended the workshop on “Optimization techniques” on 24-08-2017 at Kings Engineering College, Chennai.
- A.Abuthakir Fareed of third year, J.Maheshwaran, M.Sasiram, M.MohamedBathurulJaman, H. Wajith Samir, A.Kamardeen, S.Mohamed Muneer, S.Imran Khan, K.Ragesh, S.Manikandan, M.Ashok, S.Beer Mohamed, M.Balachander, R.Ajithkumar, S.Ganesh Kumar, S.Gunavasan, A.Azizar Rahman, K.Ganesh Pandian, S.AnwarSathath, M.Anandhan, R.ArumugaNivas, K.Balaguru, N.Praveen Kumar, S.Umasankar, V.Saranraj, S.Abdul Rahman, M.Manikandan, G.Rengadurai, D.Elavarasan, H.SharjounMehathap, A.Yasararafath, B.Yasararafath, S.Samiyappan, V.Vijay, J.Sam Mathew, K.Syed Mohamed Puhari, R.M.Rodericks Roy and S.Sheik Dawood of final year attended a workshop on “3D Printing” on 09-09-2017 at Learning Center,Trichy.
- J.Gunaseelan, J.Renold Praveen, S.Saminathan, M.Sivasankar of third year, M.Saravanan, N.Vignesh, K.Suriya, and J.SilverStalan of final year attended a workshop on “Dismantling and assembly of IC Engines" on 12-09-2017 at Kings College of Engineering, Punalkulam.
- P.Gobikrishna, P.Rakeshrengaiah, J.Johnvenis, J.Binudenis, R.Manuram, A.Mohamedmuzzamil, V.Eniyan, A.Abdulbasith, Alfred john, A.Jeganprabhu and S.Gopalakrishnan of third year attended the Training programme on “Two wheeler and four wheeler engine mechanism and servicing techniques” on 04-08-2017 & 05-08-2017 at vaigai college of engineering, Madurai.
- S.MohamedRafick, S.Sahayaraj, M.Sivanithi and S.Razak Mohamed of final year participated in the event “Innovation Project Contest 2K17” on 08-09-2017 at K.L.N.College of Engineering, Sivagangai.
- M.MohamedThariq, N.Mohamed Anas, M.Manikandan, J.Mohamed Basheer, M.MohamedRashik, Y.MohamedJawahir, M.A.MohamedMurshied, S.Mohamed Salman, K.Mariselvam, S.Mohamed Riaz and M.A,MohamedSirajudeen of second year has participated in the event “National level mini bike design fabrication and racing contest” on 04-10-2017 at SSM Institute of Engineering and Technology, Dindigul.

- B.A.Vassim Ahamed, S.Mohamed Riaz of second year, B.M.Rodericks Roy, S.Sheik Dawood, S.Razak Mohamed, T.MohanRaj, N.Praveen Kumar, S.Umasankar, M.Sivanithi, V.Saranraj, and M.AhamedAbuthahir of final year has participated in the event “National level mini bike design fabrication and racing contest” at Karpagam college of Engineering, Coimbatore on 22-09-2017.
- Abdullah Hajamydeen, I.Kamaludeen, and A.Fizal of second year participated in the camp “Entrepreneurship Awareness Camp” on 30-08-2017 to 01-09-2017 at CARE Group of Institutions, Trichy.
- M.sasiram and M. Mohamed rafeek of final year has gone to Internship on “Practical training on cars and engines” on 24-08-2017 to 27-08-2017 at Goodwin motors, Chennai.
- C.PraveenArulraj, K.Ragesh and S.Sakthivel of final year has undergone “Internship” on TVS Motors (P) Ltd, Hosur on 04-12-2017 to 06-12-2017.
- C.PraveenArulraj, V.Vijay, S.Abdul Rahman, M.Afzalahamed, M.Hashir and JehabaraliThowfeek Husain of final year has undergone “Internship” on Izusu Motors India Ltd, Sricity, Andhra Pradesh on 04-12-2017 to 03-01-2017.
- J.HajaMydeen, and I.Raja Mohamed of final year has undergone “Inplant training” on TNSTC, Kumbakonam on 12-12-2017 to 16-12-2017.
- R.Arumuganivas of final year has undergone “Inplant training” on Valuthur Gas Turbine Power Station, Ramanathapuram on 18-12-2017 to 22-12-2017.
- S.Manikandan of final year has undergone “Inplant training” on ICF, Chennai on 08-12-2017 to 15-12-2017.
- S.Manikandan of final year has undergone “Inplant training” on Ashok Leyland, Unit II, Hosur on 18-12-2017 to 23-12-2017.
- S.Santhoshkumar of final year has undergone “Inplant training” on Ashok Leyland, Unit I, Hosur on 18-12-2017 to 27-12-2017.
- G.AbiramaKiruthiga, S.Abubakkar Siddiq, M.Vasanth, S.Sakthivel, G.JeromeSiby, S.K.MohamedShahul Hameed, I.Raja Mohamed, M.Pookumar, S.Razak Mohamed and C.PraveenArulraj has attended AU-CUIC-RNTBCI - Employability Skill Enhancement Programme (E-SEP)(2017-2018) at PSNA, Engineering college, Dindigul on 02-01-2017 to 12-01-2017.

- S.Manikandan of final year has participated in the “State Level Essay-Writing competition” of KaviyarasarKalai Tamil sangam, NamakkalIlakkiyasigaram viruthu-2017 on 15-08-2017 at Namakkal.
- N.Jeeva of final year has certified Green and black belt in the “Six sigma” training and examination organized by MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC) held at SRMIST, Kattankulathur on 2nd to 9th march 2018.

Symposium / Seminar organized

Mechanical Engineering Department Symposium YANTRA M'18

Department Of Mechanical Engineering has Organized Symposium **YANTRA M'18** On 24-02-2018.

- Dr.N.Kulasekharan, Assistant General Manager – Aero/Thermal CFD, Fiat Chrysler Automobiles India Private Limited was the honourable Chief guest for inaugural function.
- Dr. U. Natarajan, Professor & Head, Department of Mechanical Engineering, AlagappaChettiar college of Engineering and Technology, Karaikudi was the chief guest for valedictory function and judge for Paper presentation event.



Mechanical Symposium Poster



Presidential Address by Er. A. Mohamed Yunus, Honourable Chairman, M.I.E.T. Engineering college



Dr. X. Susan Christina, Principal, MIET Engineering College delivering the Felicitation address



Dr. N. Karthikeyan, Director (P & D),delivering the Felicitation address



Mr. M. Hashir, Final Year Mechanical delivering the Department report



Active participants in Paper presentation event



Participants receiving prizes from chief guest



Students participating in the CAD Modeling event



Students participating in the Just in Time event

- A Guest lecture on the Topic “Tools and Techniques of TQM – Management perspective” was conducted for the IV year Mechanical Engineering students on 26-07-2017 to 27-07-2017. Dr. C.ThirumalAzhagan Assistant Professor, Department of Management Studies, BIT Campus Anna University Tiruchirappalli was the resource person.



Dr. C.ThirumalAzhagan Assistant Professor, delivering the chief guest speech

- A Guest lecture on “Corporate Expectations from a fresher employee and what the employee should do to fit in and excel in an organization” for the IV year Mechanical Engineering students was delivered by Mr. Vinoth, HR Manager, ISUZU Motors India and Mr. Mahesh, HR Manager, ISUZU Motors, India. on 28-08-2017.



Mr. Vinoth, HR Manager, ISUZU Motors India delivers the speech

A Guest lecture on “Energy Challenges and Emerging Trends” for the IV year Mechanical Engineering students was delivered by Mr.P.Kothandaraman, DGM (Retd), BHEL , External Faculty PCRA Trichy and Mr.S.Mahadevan, Consultant, PCRA, Chennai on 05-09-2017.



Mr.P.Kothandaraman, DGM (Retd), BHEL, delivers the speech

- A Guest lecture on “Heat and Mass Transfer” for the III year Mechanical Engineering students was delivered by Dr. S.Venkatachalapathy, Associate Professor, Department of Mechanical Engineering, NIT, Tiruchirappalli on 26-09-2017.



Dr. S.Venkatachalapathy, Associate Professor, delivers the speech

A Guest lecture on “Fluid Machinery” for the II year Mechanical Engineering students was delivered by Dr.T.Suthakar, Associate Professor, Department of Mechanical Engineering, NIT, Tiruchirappalli, on 27-09-2017.



Dr. T.Suthakar, Associate Professor, delivers the speech

• .I.Devaraj, Mr.V.Pandiaraj,
Mr.K.Mohan, Mr.M.Vishnu Kumar,
Mr.M.Vivekanathan, Mr.W.EdwinLyonal,
Mr.M.Gowthaman, Mr.E.Manikandan,
Mr.A.Pandiyathan, Mr.M.Visvam,
Mr.D.Manikandan, Mr.K.Dhamodaran and
Mr.S.Thulasiram AP, Mechanical attended a
Faculty Orientation Programm on topic “Train
the Trainers” on 14.06.17 to 16.06.17 at
M.I.E.T.Engineering college, Trichy.

• Mrs.S.Roseline / HOD, Mr. M.Vivekanathan, Mr.K.Sundaravadivel and Mr.D.Manikandan AP, Mechanical attended a one day workshop on “Optimization Techniques” on 24.08.17 at Kings Engineering College, Chennai sponsored by SAE & ISME.

• Mr.K.Paneer Selvam and Mr.A.Jeyanthan AP, Mechanical attended a one day workshop on “Mathematical & Bayesian Modelling Concept” on 27-10-2017 at Kongu Engineering College, Erode sponsored by CSIR.

• Mr.S.Dhakshinamoorthy, Associate Professor has attended a one day workshop on “Innovation and Communication Skills” on 15.09.2017 at University college of engineering, BIT Campus – Trichy sponsored by NASSCOM and ANNA UNIVERSITY CHENNAI.

• Mr.K.Dhamodaran, Assistant professor has provided A Hands on Training on “Cloud Based Digital Manufacturing Software” to third year Mechanical Engineering students organized by Mechanical Engineering department at Sri Shakthi Institute of Engineering & Technology, Coimbatore on 08-12-2017 to 10-12-2017.



Mr.K.Dhamodaran, Assistant professor training the students.

- Mr.R.Sankaradoss, Assistant professor has delivered guest lecture on “Finite Element Analysis” to M.I.E.T. Mechanical Engineering department faculty members on 23-01-2018.



Mr.R.Sankaradoss, Assistant professor delivering his speech

- Mr.K.Dhamodaran, Assistant professor has delivered guest lecture on “Cloud based Manufacturing systems” to Mechanical Engineering department faculty members on 30-01-2018.
- Mr.S.Dhakshinamoorthy, Associate Professor and Mr.L.S.Narendhira Assistant professor has conducted 3 months Value Added Courses to the final year students on “Non Destructive Evaluation” at M.I.E.T Engineering college, Trichy.



Mr.S.Dhakshinamoorthy, Associate Professor and Mr.L.S.Narendhira Assistant professor on the course session

- List of faculty members produced 100% result in previous Odd & Even Semesters.**

S.No	Name of the Faculty	Subject code	Subject Name	%
1	R.Sankaradass	ME 6703	Computer Integrated Manufacturing	100
2	M.Gowthaman	ME 6703	Computer Integrated Manufacturing	100

Students Sports Activities

- KABADDI**

Anna university Zone # 13 Kabaddi tournament held at our college on 08-09-2017, Our college team secured **Third place** in the tournament. The following students represented our college team.

S.NO	NAME	YEAR
1	R.Kalaiyaran	IV
2	B.Ajith Kumar	III
3	S.Samuel	II
4	R.Enayathullah	
5	S.Ajmal	
6	M.Balakumaran	
7	S.Sivaraman	

Faculties/ Students Publications

- Mr.M.Kirubakaran, Assistant Professor has published a Review paper on “A comprehensive review of low cost biodiesel production from waste chicken fat” in the Journal of Renewable & Sustainable energy reviews a SCI journal with 8.05 impact factor, volume 82, 390-401, 2018.
- A.Jeyanthan, Assistant Professor has published a journal paper on “Performance analysis of cold storage system using phase change materials. Part - 1 Experimental investigation” in the Journal of global engineering problems and solutions, volume 1, 51-58, 2017.
- **M.Kirubakaran**, Assistant Professor has published a journal paper on Eggshell as heterogeneous catalyst for synthesis of biodiesel from high free fatty acid chicken fat and its working characteristics on a C.I.Engine Journal of environmental chemical Engineering
- **A.Jeyanthan**, Assistant Professor has published a journal paper on Energy Conservation by Using Waste Heat Recovery System in Domestic Refrigerator Journal of Global Engineering Problems and Solutions
- **S Roseline**, has published a Evaluation of Structural and mechanical properties of zirconia reinforced aluminium matrix composites in Journal of Computational and Theoretical nanoscience

- C.Ahilan and M.Y.Abdul Jaleel has published a paper on “Application of artificial neural networks on predicting the performance characteristics of CNC turning process” on International Journal of Scientific Research and Review.2018
- S.Senthilkumar, D.senthilkumar Assistant Professor has published a journal paper On the title “Design And Analysis Of Eebf Composite Material” In International Journal Of research.
- 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.

Chief Editor

Mrs. S. Roseline, HOD

Co- Editor

Mr. M. Kirubakaran, AP

Students Editors

V. Vignesh

M. Venkatesh