



Department of Mechanical Engineering

About us

Department of Mechanical Engineering was started in the year 1998 offering an Undergraduate program (B.E) with the current intake of 120. Department was upgraded as Post graduate department with the commencement of M.E in Manufacturing Engineering in the year 2007 with the sanctioned intake of 18. Based on the academic and infrastructure quality of the department, Anna University has recognized the department as a research department in the year 2015. The department was accredited by NATIONAL BOARD OF ACCREDITATION (NBA), NEW DELHI in the year 2019, certifying the quality performance of the department.



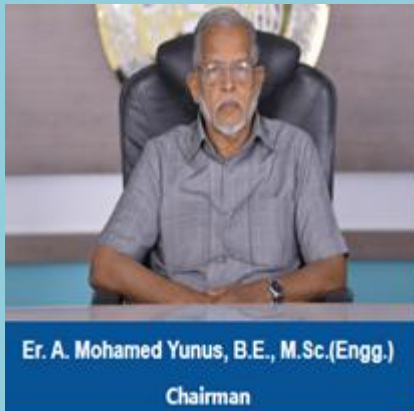
Department Vision and Mission

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.



CHAIRMAN MESSAGE

Being the current world not a hasty track, the responsibility of creating a high-quality educational institution is challenging and embellished with a host of initiatives which validate them over an extended time span. Moreover, in a world where time and space are compacted, there is a massive defy for success which necessitates knowledge, which is current, pertinent and based on real experience. We at M.I.E.T. motivate and empower our students to be enduring learners, critical thinkers and prolific members of an ever-changing global society.

Also, the students are encouraged to channelize their potential in the pursuit of fineness in a holistic and student-cantered environment. I am confident that M.I.E.T. will always be a bonfire of light guiding the fate of its students, while blistering kindness and compassion as it ascends high in its pursuit of academic excellence and accomplishment of our motto “Humanize, Equalize, Spiritualize”.

To ensure the same, we have an excellent portfolio of industry professionals and academicians on our faculty, who provide a holistic view of the shades of engineering and managerial operations to our students. The students are prepared to enrich their careers by endowing them with the necessary talent and critical thinking to become self-directed learners and prolific citizens contributing positively to the society.



PRINCIPAL MESSAGE

M.I.E.T. Strives to make a better world through education, research and innovation. The institution functions with a motto of accelerating this great Nation’s industrial development with its highly skilled and qualified technocrats.

I extend a warm welcome to all the students and scholars who choose M.I.E.T. as a preferred destination for their higher education and research. Certainly the institution serves as a territory of happy learning with great fun and joy. It provides a peaceful and creative learning environment with ample opportunities to develop their curricular, co-curricular and extra-curricular activities.

The college has modern infrastructure, state of art laboratories, well qualified trained and dedicated faculty members to cater the needs of its stakeholders. We at M.I.E.T. ensure that the student community is completely satisfied with the facilities available and the management is committed to fulfil the needs, when and where required.

The institute has been deeply committed to develop and motivate the young talents to take up the challenge they face after graduation. The institute will definitely continue to contribute for development and growth of young minds.

STUDENT'S PARTICIPATION

- K.Hariharan and P. Haribalan of third year students attended One day Workshop on "ROBOTICS" at Thiagarajar college of Engineering, Madurai organized by department of Mechanical Engineering on 15th March 2024.
- V. Mageshwaran of second year student has got **Second prize** in the event "Paper presentation" at the National level Technical Symposium "DEEKSHI TECHFEST 2024" held on 15th March 2024 organized by department of Electrical and Electronics Engineering at Sudharsan Engineering College, Pudukkottai.
- P. Haribalan of third year student has got **First prize** in the event "CAD Modeling" at the National level Technical Symposium "MEGRA 2K24" held on 28th March 2024 organized by department of Mechanical Engineering at MAM college of Engineering and Technology, Trichy.
- K. Hariharan of third year student has got **Second prize** in the event "CAD Modeling" at the National level Technical Symposium "MEGRA 2K24" held on 28th March 2024 organized by department of Mechanical Engineering at MAM college of Engineering and Technology, Trichy.
- K. Harish of third year student has participated in the event "CAD Modeling" at the National level Technical Symposium "MEGRA 2K24" held on 28th March 2024 organized by department of Mechanical Engineering at MAM college of

Engineering and Technology, Trichy.

- N. S. Amjath Hussain of final year student has participated in the event "CAD Modeling" at the National level Technical Symposium "MEGRA 2K24" held on 28th March 2024 organized by department of Mechanical Engineering at MAM college of Engineering and Technology, Trichy.
- N. S. Amjath Hussain of final year student has got **First prize** in the event "Quiz" at the National level Technical Symposium "MEGRA 2K24" held on 28th March 2024 organized by department of Mechanical Engineering at MAM college of Engineering and Technology, Trichy.
- K. Hariharan of third year student has participated in the event "Quiz" at the National level Technical Symposium "MEGRA 2K24" held on 28th March 2024 organized by department of Mechanical Engineering at MAM college of Engineering and Technology, Trichy.
- N. S. Amjath Hussain of final year student has got **Second prize** in the event "Paper presentation" at the National level Technical Symposium "MEGRA 2K24" held on 28th March 2024 organized by department of Mechanical Engineering at MAM college of Engineering and Technology, Trichy.

- N. S. Amjath Hussain of final year student has got **Second prize** in the event “Lathe Wizardry Challenge” at the National level Technical Symposium “MEGRA 2K24” held on 28th March 2024 organized by department of Mechanical Engineering at MAM college of Engineering and Technology, Trichy.
- S. Thiruvarutselvan of third year student has got **First prize** in the event “CAD Modeling” at the National level Technical Symposium “TECXPLO 24” held on 26th April 2024 organized by department of Mechanical Engineering at Mookambigai College of Engineering, Pudukkottai.
- S. Abdul Afsar Ahamed of third year student has got **Third prize** in the event “CAD Modeling” at the National level Technical Symposium “TECXPLO 24” held on 26th April 2024 organized by department of Mechanical Engineering at Mookambigai College of Engineering, Pudukkottai.
- P. Pradeepaldoh, C. Ramachandran, V.S.B. Daksesh, E. Aravind and S. Yaswanth of third year students has participated in the event “CAD Modeling” at National level Technical Symposium “TECXPLO 24” held on 26th April 2024 organized by department of Mechanical Engineering at Mookambigai College of Engineering, Pudukkottai.
- S. Abdul and R.T. Naveen of third year students has got **Third prize** in the event “Paper

presentation” at the National level Technical Symposium “TECXPLO 24” held on 26th April 2024 organized by department of Mechanical Engineering at Mookambigai College of Engineering, Pudukkottai.

- C. Ramachandran of third year student has participated in the event “Paper presentation” at the National level Technical Symposium “TECXPLO 24” held on 26th April 2024 organized by department of Mechanical Engineering at Mookambigai College of Engineering, Pudukkottai.
- P. Haribalan of third year student has participated in the “Employability Skills program” at University College of engineering, BIT campus, Trichy on 29.02.2024 to 02.03.2024 organized by Centre for National and International collaboration (CNIC).
- Mirza yusufali of final year student has successfully completed the online course on “Data science and machine learning: Making data-driven decisions” from January 2024 to May 2024 organized by MIT Schwarzman college of computing, USA.
- I. Santhosh of third year, S. Ravikumar and G. Sri Hari Hara Karan of final year students have secured Second place in the Anna University zonal tournament of event “Cricket” at Saranathan college of engineering, Trichy held on 26.10.2023 to 28.10.2023.

FACULTY PARTICIPATIONS

- Dr.M.Kirubakaran, Associate Professor has attended NPTEL Faculty Development program on “Biomass Conversion and Biorefinery” organized by Indian Institute of Technology, Madras on Jan-Apr 2024.
- Mr.C. Manikandan, Assistant Professor has attended NPTEL Faculty Development program on “Product design and manufacturing” organized by Indian Institute of Technology, Kanpur on Jan-Apr 2024.
- Dr.M.Kirubakaran, Associate Professor has attended Faculty Development program on “Drone basics, design, assembly and test” organized by Naan Mudhalvan at Government college of Engineering, Srirangam on 29.01.2024 to 03.02.2024.
- Dr.K. Panneer Selvam, Associate Professor has attended Faculty Development program on “Frontiers of additive manufacturing: Exploring advanced 3D printing technology and applications” organized by Department of Mechanical Engineering at VELS Institute of science, Technology & Advanced studies (VISTAS) on 04.03.2024 to 08.03.2024.
- Mr.K. Baskar, Assistant Professor has attended Faculty Development program on “Industry 4.0/5.0” organized by Department of Mechanical Engineering at Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada on 15.04.2024 to 27.04.2024.
- Mr. S. Sathish Kumar, Assistant Professor has attended Professional Development programme on “Energy, thermal and refrigeration & air-conditioning” organized by National Institute of Technical Teachers Training and Research (NITTTR), Chennai on 15.04.2024 to 25.03.2024 to 29.03.2024.
- Dr. K. Panneer Selvam, Associate Professor has participated as College SPOC on “Smart India Hackathon 2023” for the academic year 2023-2024.
- Mr. R. Narayanan, has participated in two paper presentation events at 5th International Conference on “Computational Intelligence and Industry 5.0 (ICII 2024)” organized by Department of Mechanical Engineering, Mechatronics Engineering and Electrical and Electronics Engineering at Velammal Institute of Technology, Chennai on 03.04.2024.
- Dr. K. Panneer Selvam, Associate Professor has participated in the paper presentation event at 2nd International conference on “Advanced material processing & sustainable energy “AMPSE-2K24” organized by Department of Mechanical Engineering at Nadar Saraswathi college of Engineering and Technology, Theni on 26.04.2024.

FACULTY PUBLICATIONS / PATENT

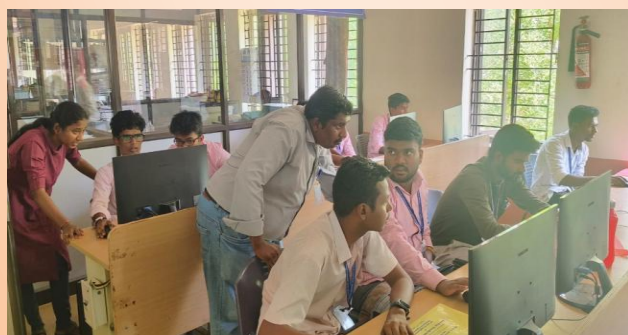
- Mr. R. Narayanan, Assistant Professor has published abstract on the title “Design and development of polishing machine to prepare specimens for metallographic analysis” in the proceedings of 5th International Conference on “Computational Intelligence and Industry 5.0 (ICII 2024)” organized by Department of Mechanical Engineering, Mechatronics Engineering and Electrical and Electronics Engineering at Velammal Institute of Technology, Chennai on 03.04.2024, ISBN:978-81-967851-7-8.
- Mr. R. Narayanan, Assistant Professor has published abstract on the title “Design and development of hot mounting machine” in the proceedings of 5th International Conference on “Computational Intelligence and Industry 5.0 (ICII 2024)” organized by Department of Mechanical Engineering, Mechatronics Engineering and Electrical and Electronics Engineering at Velammal Institute of Technology, Chennai on 03.04.2024, ISBN:978-81-967851-7-8.
- Dr. G. Pranesh, Assistant Professor has published a journal paper on the title “Comparative analysis of NO emission control using phenylenediamine (PPDA) antioxidant additive with different biodiesels in CI engines” in the journal of International Journal of Ambient Energy, 2024, 45 (1).

- Dr. K. Panneer Selvam, Associate professor has filed patent on title “Scavenging machine to control water pollution” in 2024.

EVENTS ORGANIZED

GUEST LECTURES

- A One-Day Hands-On Workshop was conducted on the topic **“IoT and its application in Mechanical engineering”** for second, third, final year students of Mechanical Engineering department and students from Mookambigai college of Engineering and K. Ramakrishnan college of Technology have actively participated on 17.04.2024. Dr. S. Thiyagarajan, Managing Director, GWT Educational private limited, Trichy was the Resource person.



Students actively participating in the One-Day Hands-On Workshop

- A Guest lecture was conducted on the topic **“Recent Trends in Automobile Engineering”** for third year students on 12.03. 2024. Dr.V.Arul Mozhi Selvan, Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli was the Resource person.



Guest lecture delivered by Dr. V. Arul Mozhi Selvan, Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli

- A Guest lecture was conducted on the topic **“Impact of Computational Fluid Dynamics in Engineering”** for final year students on 19.03.2024. Dr. P. Maheanderprabu, Manager, Tefugen Technologies Private Limited, Tiruchirappalli was the Resource person.



Guest lecture delivered by Dr. P. Maheanderprabu, Manager, Tefugen Technologies Private Limited, Tiruchirappalli

- A Guest lecture was conducted on the topic **“Industry 4.0-Recent Trends in Manufacturing”** for final year students on 03.04.2024. Dr. B. Shanmugarajan, Senior Deputy General Manager, Welding Research Institute (WRI), Bharat Heavy Electricals Limited, (BHEL), Tiruchirappalli was the Resource person.



Guest lecture delivered by Dr. B. Shanmugarajan, Senior Deputy General Manager, Bharat Heavy Electricals Limited, (BHEL), Tiruchirappalli

- A Guest lecture was conducted on the topic **“Career Guidance for Competitive Exams”** for final year students on 25.04.2024. Mr. V. Rajadurai, Senior Inspector, Food and Consumer department in Tamil Nadu was the Resource person.



Guest lecture delivered by Mr. V. Rajadurai, Senior Inspector, Food and Consumer department in Tamil Nadu

INVITED TALK

An Invited talk was conducted on the topic **“New-age of Manufacturing and Career Opportunities for Mechanical Engineering Students”** for third and final year students on 30.04.2024. Mr. R. Rajesh kumar, Senior Manager, CNC

Programming Cell, Helicopter Division, Hindustan Aeronautics Limited, was the Resource person.



**Mr. R. Rajesh Kumar, Senior Manager,
Hindustan Aeronautics Limited, Bangalore,
delivering the Chief Guest Address**

PARENTS-TEACHER MEETING

- The Parents-Teacher meeting for third year students was conducted on 04.04.2024 at B-Block seminar hall. Mr. R. Manickam, Assistant Professor, class coordinator and other faculty members interacted with the parents and discussed about the student academic performance.



**Dr. B. Selvam, Professor & Head,
Department of Mechanical Engineering
Addressing the gathering**

INDUSTRIAL VISIT

- Third year students have gone for Two day "Industrial visit" at ISRO Satellite Center, Bangalore, Karnataka on 08.03.2024 and 09.03.2024. Mr. R. Manickam and Mr. K. Baskar, Assistant Professors has accompanied the students.



**Students Industrial visit at ISRO Satellite
Center, Bangalore, Karnataka**

- Second year students have gone for One day "Industrial visit" at Shanthi Gears, Coimbatore on 06.03.2024. Mr.R. Narayanan and Dr.M. Kirubakaran, Assistant Professor has accompanied the students.



**Students Industrial visit at Shanthi Gears,
Coimbatore**

Chief Editor

Dr. B. Selvam, Professor & Head

Co- Editor

**Dr. M. Kirubakaran, Associate Professor
&
Mr. R. Narayanan, Assistant Professor**

Students Editors

**N. S. Amjath Hussain
P. Haribalan**