



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 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, B.E., M.Sc.(Engg.)

Chairman

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-centered 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.



Dr. A. NAVEEN SAIT, M.E., Ph.D.

Principal

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

- T. Thendral of Research Scholar has participated in the event “Professional development program on Clean and Green Energy Technology” held on 02.01.2023 - 06.01.2023 organized by National Institute of Technical Teachers training and Research, Chennai.
- R. Abdul Faizal, S. Abdul Izas, M. Manimuthu and A. Periyasamy of final year students has attended the “Internship Training” at Sakthi Auto Component Limited, Tirupur on 27.02.2023 - 31.03.2023 organized by department of Training and Placement, M.I.E.T. Engineering College, Trichy.
- A.K. Abdul Kani and K. Sahaya Manston of second year student has attended the “Internship Training” at CKEE Engineering Private Limited, Tuticorin on 19.06.2023 - 30.06.2023 organized by department of Training and Placement, M.I.E.T. Engineering College, Trichy.
- K. Hariharan and R.T. Navin of second year student has attended in the “Internship Training” at High Energy Batteries (India) Limited, Trichy on 22.06.2023 - 05.07.2023 organized by department of Training and Placement, M.I.E.T. Engineering College, Trichy.
- S. Vikram and B. Keerthick Henz of second year student has attended the “Internship Training” at Shri Velan Cones, Coimbatore on

26.06.2023 - 08.07.2023 organized by department of Training and Placement, M.I.E.T. Engineering College, Trichy.

- J. Mohamed Nafeez and S. Abdul Afsar Ahamed of second year student has attended the “Internship Training” at Nitro auto components manufacturers private limited, Coimbatore on 03.07.2023- 17.07.2023 organized by department of Training and Placement, M.I.E.T. Engineering College, Trichy.
- V.R. Nishanth and S. Yaswanth of second year student has attended the “Internship Training” at Altec Fabricators, Trichy on 05.07.2023 - 15.07.2023 organized by department of Training and Placement, M.I.E.T. Engineering College, Trichy.
- J. Mohamed Aslam and M.Vigneshwaran of third year student has attended the “Internship Training” at S.S. Moto Corpz, Trichy on 06.07.2023 - 19.07.2023 organized by department of Training and Placement, M.I.E.T. Engineering College, Trichy.
- E. Aravind and B. Abishek of second year student has attended the “Internship Training” at Rane Engine valve Limited, Pudukottai on 07.07.2023 - 20.07.2023 organized by department of Training and Placement, M.I.E.T. Engineering College, Trichy.

- K. Balakumaran and P. Haribalan of second year student has attended the “Internship Training” at Ficus Rubber works, Trichy on 10.07.2023-23.07.2023 organized by department of Training and Placement, M.I.E.T. Engineering College, Trichy.

- S. Mohamed Riyas and A.Mohamed Jalal of final year students has participated in the event “National conference” held on 13.05.2023 organized by Gojan School Business and Technology, Chennai.

V. Gino Alexander and R.V. Amarnath of second year student has attended the “Internship Training” at V.S.T. Motors Private Limited, Trichy on 11.07.2023 - 27.07.2023 organized by department of Training and Placement, M.I.E.T. Engineering College, Trichy.

- K. Mohamed Ashiq and S. Harish of second year student has attended the “Internship Training” at Shanmugha Precision Forging, Thanjavur on 12.07.2023 - 20.07.2023 organized by department of Training and Placement, M.I.E.T. Engineering College, Trichy.
- M. Sheik Mohammed and A.Abuthahir of second year student has attended the “Internship Training” at Rockfort Moto hub Pvt. Ltd, Trichy on 12.07.2023 - 28.07.2023 organized by department of Training and Placement, M.I.E.T. Engineering College, Trichy.

- N. S. Amjath Hussain of third year student has attended in the “Internship Training” at Department of Energy and Environment, NIT Trichy on 17.07.2023 - 17.09.2023 organized by department of Training and Placement, M.I.E.T. Engineering College, Trichy.

- G. Manikandan and S. Harivardhan of final year student has attended the “Internship Training” at Sakthi Auto Component Limited, Tirupur held on 27.02.2023-31.03.2023 organized by department of Training and Placement, M.I.E.T. Engineering College, Trichy.

FACULTY PARTICIPATIONS

- Dr. B. Selvam, Professor has completed NPTEL Faculty Development program organized by Indian Institute of Technology, Roorkee on Jan-Mar 2023.
- Dr. M. Kirubakaran Associate Professor has completed NPTEL Faculty Development program organized by Indian Institute of Technology, Roorkee on Jan-Mar 2023.
- Dr. K. Panneer Selvam Associate Professor has completed NPTEL Faculty Development program organized by Indian Institute of Technology, Madras on Jan-Feb 2023.
- Dr. G. Pranesh, Assistant Professor has completed Faculty Development program on Clean and Green Energy technology organized by National

Institute of Technical Teachers Training and research, Chennai on 02.01.2023 to 06.04.2023.

- Dr. M. Kirubakaran, Assistant Professor has attended Faculty Development program on Innovations in Engineering design and management organized by Alliance University, Bengaluru on 20.02.2023 to 25.02.2023.
- Dr. G. Pranesh, Assistant Professor has attended Virtual Faculty Development program on Outcome based Education organized by PSG Institute of technology, Coimbatore on 01.02.2023 to 09.02.2023.
- Dr. G. Pranesh, Assistant Professor has attended National Workshop on Emerging trends in power Engineering organized by National institute of technology, (NIT), Warangal on 30.01.2023 to 31.01.2023.
- Mr. R. Narayanan, Assistant Professor has got “Best paper Award” in the paper presentation event at International Conference on Intelligence in Industrial Automation (ICIIA '23) organized by Velammal Institute of Technology, Chennai and on 05.04.2023.
- Mr. S. Sathish Kumar, Assistant Professor has got “Best paper Award” in the paper presentation event at National conference on Innovation & Recent trends in automotive technologies (NCIRAT '23) organized by Madras Institute of Technology (MIT), Chennai on 23.03.2023 to 24.03.2023.

- Dr. G. Pranesh, Assistant Professor has got “Best paper Award” in the paper presentation event at National conference on Innovation & Recent trends in automotive technologies (NCIRAT '23) organized by Madras Institute of Technology (MIT), Chennai on 23.03.2023 to 24.03.2023.
- Dr. M. Kirubakaran, Associate Professor has got “Best paper Award” in the paper presentation event at 7th International National conference on “Recent Advancements in Chemical, Environmental & Energy Engineering” (RACEEE-2023) organized by Sri Sivasubramaniya Nadar College of Engineering, Chennai on 16.02.2023 to 17.02.2023.

FACULTY PUBLICATIONS / PATENT

- Dr. K. Panneer Selvam, Associate professor, and Dr. G. Pranesh, Assistant Professor has published a journal paper on the title “Experimental and simulation investigation of vertical response of stepped torsion bar spring for light motor vehicle suspension system” in the journal “Proceedings of the Institution of mechanical engineers, part D: Journal of Automobile Engineering” 2023;237(7):1479-1488.
- Dr. G. Pranesh, Assistant Professor has published a journal paper on the title Implementation of digital twin for three CNC machines consisting of loading

and unloading operations using a COBOT” in the journal “International journal of innovative science and research technology” 2023, 08, 466-471.

- Dr. G. Pranesh, Assistant Professor has published abstract on the title “Co-gasification of municipal solid waste and palm kernel shell in a fluidized bed gasifier” in the proceedings of 9th International conference on latest trends in science, Engineering and technology (ICLTSET’23) held at Karpagam Institute of technology, Coimbatore on 05.05.2023 to 06.05.2023.

Dr. G. Pranesh, Assistant Professor has published abstract on the title “Steam co-gasification of rice husk and sewage sludge in a fluidized bed gasifier” in the proceedings of 9th International conference on latest trends in science, Engineering and technology (ICLTSET’23) held at KIT, Coimbatore on 05.05.2023 to 06.05.2023, 02023,08,1794-1799.

- Dr. M. Kirubakaran, Associate Professor has published abstract on the title “Experimental investigation on the effects of calcination temperature of eggshell catalyst for the production chicken fat biodiesel” in the proceedings of 7th International conference on Recent advancements in chemical, environmental & Energy Engineering (RACEEE-2023) held at Sri Sivasubramaniya

Nadar college of Engineering, Chennai on 16.02.2023 to 17.02.2023.

- Dr. M. Kirubakaran, Assistant Professor has published abstract on the title “Experimental investigation on production of biodiesel from waste chicken fat using different eggshells as catalyst” in the proceedings of International conference on Advanced material science (ICAMS 2K23) held at Nadar saraswathi college of engineering and technology, Theni on 05.05.2023 to 06.05.2023.

Dr. M. Kirubakaran, Assistant Professor has published abstract on the title “Design and fabrication of hydro turbine for power generation” in the proceedings of International conference on Advanced material science” (ICAMS 2K23) held at Nadar saraswathi college of engineering and technology, Theni on 05.05.2023 to 06.05.2023.

- Dr. G. Pranesh, Assistant professor has filed patent on title “Temperature monitoring shield and social distancing device for virus protection” in 2023.
- Mr. J.S. Veera Jagatheeshwaran, Assistant Professor has published a journal paper on the title “Comparison analysis of biogas production from different material of biodigester and bio wastes for household purpose” in the journal “International journal of creative research thoughts”, 2023, 11,79-83.

- Dr. A. Naveen Sait, Professor and Dr. G. Pranesh, Assistant professor has filed patent on title “Design and fabrication of emergency water line pipe connector for industrial water line pipes” in 2023.
- Dr. G. Pranesh, Assistant Professor has published a journal paper on the title “Experimental investigation on co-gasification characteristics of coconut shell and medical plastic waste in fluidized bed gasifier” in the journal of Biomass Conversion and Biorefinery, 2023.

FACULTY PURSUING PH.D.

- Mr. M. Mohamed Ibrahim, Assistant professor has registered Ph. D under the guidance of Dr. A. Naveen Sait, Professor in the year 2023.
- Mr. S. Sathishkumar, Assistant professor has registered Ph. D under the guidance of Dr. G. Pranesh, Assistant Professor in the year 2023.
- Mr. R. Manickam, Assistant professor has registered Ph. D under the guidance of Dr. G. Pranesh, Assistant Professor in the year 2023.

EVENTS ORGANIZED

GUEST LECTURE'S

- A Guest lecture was conducted on the topic “Mems and Microsystems” for third year students on 27.03.2023. Dr. T. Ramesh, Associate Professor, Department of Mechanical

Engineering, National Institute of Technology, Tiruchirappalli was the Resource person.



Guest lecture delivered by Dr. T. Ramesh, Associate Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli

- A Guest lecture was conducted on the topic “**Thermal Management of Solar Photovoltaic cells**” for second year students on 03.04.2023. Dr. M. Chandrasekar, Assistant Professor, Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli was the Resource person.



Guest lecture delivered by Dr. M. Chandrasekar, Assistant Professor, Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli

INDUSTRIAL VISIT

- Third year students have gone for Two day “Industrial visit” at Ashok Leyland Limited, Hosur on 10.03.2023 and 11.03.2023. Mr. K. Baskar, and Mr. C. Manikandan, Assistant Professor has accompanied the students.



Students Industrial visit at Ashok Leyland Limited, Hosur

- Second year students have gone for Two day “Industrial visit” at Sea Blue Shipyard Limited, Kochi, Kerala on 10.03.2023 and 11.03.2023. Mr. R. Manickam, and Mr. J.S. Veera Jegatheeshwaran, Assistant Professor has accompanied the students.



Students Industrial visit at Sea Blue Shipyard Limited, Kochi, Kerala

- Final year students have gone for One day “Industrial visit” at Government ITI, Trichy on part of Naan mudhalvan course “Industry 4.0 and its applications” on 11.06.2023. Mr. R. Narayanan, Assistant Professors and Dr. M. Kirubakaran, has accompanied the students.



Students Industrial visit at Government ITI, Trichy

Memorandum of Understanding (MOU)

- The Memorandum of Understanding (MOU) between M.I.E.T. Engineering College and Ashok Leyland, Hosur was signed on 11.07.2022 which is valid from 11.07.2022 to 10.07.2025.
- The Memorandum of Understanding (MOU) between M.I.E.T. Engineering College and Synergy School of Business skills, Trichy was signed on 29.08.2022 which is valid from 29.08.2022 to 28.08.2027.

Chief Editor

Dr. B. Selvam, Professor & Head

Co- Editor

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

Students Editors

**J. Aslam Mohamed
S. Raja Mohamed**