AAA COLLEGE OF ENGINEERING & TECHNOLOGY

Accredited by NAAC with "A" Grade, Accredited by NBA (CIVIL, CSE, ECE, EEE, MECH) (An ISO 21001: 2018 Certified Institution) (Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai) Amathur, Sivakasi - 626 005.

Department of Mechanical Engineering

(Approved Research Centre by Anna University)

Newsletter 2023 - 2024

Volume 07



AAACET NEWSLETTER

INNOVATION AND ADAPTABILITY

The Department encourages innovation and adaptability through hands-on training, project development, and practical learning activities. Students are motivated to transform their creative ideas into innovative solutions using modern technologies. Various technical events and workshops enhance their problem-solving and design skills. These initiatives foster creativity, technical knowledge, and industry readiness.



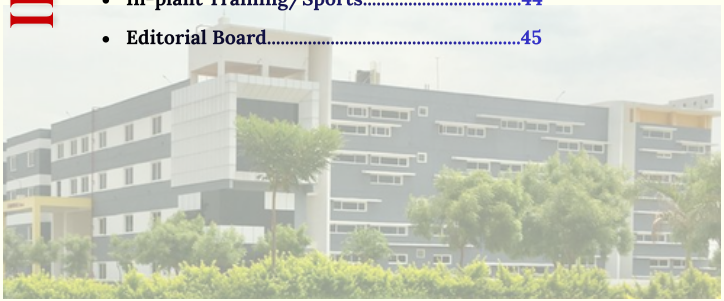


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INSTITUTIONS VISION MISSION

VISION of AAACET

Emerge as a Premier Institute for Quality Technical Education and Research with social responsibilities.

MISSION of AAACET

To offer state of the art infrastructure for under graduate, postgraduate and doctoral programs.
To provide holistic learning ambience blended with professional ethics, leadership qualities and social responsibilities.
To disseminate knowledge and undertake research in field of Engineering and technology.
To inculcate innovation and creativity among student community to become successful entrepreneurs.
To undertake collaborative projects with academic, research centres and industries to provide cost–effective solutions.



DEPARTMENT VISION MISSION

VISION of mechanical

Emerge as an eminent center of excellence in Mechanical Engineering for quality technical education and scientific research leading to social development.

MISSION of mechanical

To impart quality education to create efficient Mechanical Engineers through eminent faculty.
To provide the state-of-the art infrastructure to facilitate the cutting edge research in emerging field of Mechanical Engineering.
To undertake multidisciplinary and collaborative projects with industries and research organizations.
To serve the society by developing competent engineers and entrepreneurs with outstanding leadership qualities and moral values.



Program Outcome

PO-1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and Engineering to the solution of complex engineering problems.
PO-2	Problem analysis – Identify, formulate, review research literature, and analyze complex Engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO-3	Design/development of solutions – Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO-4	Conduct investigations of complex problems – Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO-5	Modern tool usage – Create, select, and apply appropriate techniques, resources, and modern engineering and computer aided tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO-6	The Engineer and Society- Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO-7	Environment and sustainability- Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO-8	Ethics- Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO-9	Individual and team work – Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO-10	Communication- Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive
PO-11	Project management and finance- Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO-12	Life-long learning- Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program specified Outcome

and

Program Educational Outcome

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)	
PEO 01	*The graduates will possess in-depth knowledge in the field of Mechanical Engineering and have a successful professional career in industry or by becoming an entrepreneur or by pursuing higher education and research.*
PEO 02	*The graduates will demonstrate profound problem solving skills and improved ability to design, develop economic and environment friendly Mechanical systems for multi-disciplinary societal needs.*
PEO 03	*The graduates will have ethical attitude and leadership quality to work efficiently with diverse teams, adapt to recent technologies by lifelong learning to solve real life problems.*

PROGRAM SPECIFIC OUTCOMES (PSOs) :	
PSO 01	*Ability to apply the basic knowledge to identify, formulate and solve problems in the domains of thermal, machine design, manufacturing and industrial engineering.*
PSO 02	*Ability to provide solutions to complex Mechanical Engineering problems by acquiring technological inputs and managerial skills and utilizing advanced technology with the help of modern CAD/CAM/CAE tools*
PSO 03	*Ability to develop mechanical and allied products with socio-economic concern by applying innovative ideas under ethical and professional constraints leading to a successful career.*

PEO'S PSO'S

SUSTAINABLE DEVELOPMENT GOAL

SDG No.	SDG Goal
SDG 1	No Poverty
SDG 2	Zero Hunger
SDG 3	Good Health and Well-being
SDG 4	Quality Education
SDG 5	Gender Equality
SDG 6	Clean Water and Sanitation
SDG 7	Affordable and Clean Energy
SDG 8	Decent Work and Economic Growth
SDG 9	Industry, Innovation and Infrastructure
SDG 10	Reduced Inequalities
SDG 11	Sustainable Cities and Communities
SDG 12	Responsible Consumption and Production
SDG 13	Climate Action
SDG 14	Life Below Water
SDG 15	Life on Land
SDG 16	Peace, Justice and Strong Institutions
SDG 17	Partnerships for the Goals







Message from the Principal...



It gives me immense pleasure to present the Department of Mechanical Engineering's newsletter for the academic year 2023–2024. The department continuously strives to promote academic excellence, innovation, and practical learning. I appreciate the faculty members and students for their dedication and active participation in various academic and extracurricular activities. I wish the department continued success in all its future endeavours.

Dr. M. Sekar
Principal





Message from the HoD...



It is my pleasure to present the Department of Mechanical Engineering's newsletter for the academic year 2023–2024. Our department is committed to providing quality education and fostering innovation, creativity, and technical excellence among students. Through workshops, industrial visits, technical events, and hands-on training, we strive to enhance students' knowledge and practical skills. I appreciate the dedicated efforts of our faculty members and students and wish them continued success in their future endeavours.

Dr. S. Selvabharathur
Professor & Head
Department of Mechanical Engineering







FACULTY ACHIEVEMENTS 2023-2024

- *Ph.D. Completion: Dr. G. Manikandaraja and Dr. R. Mehy Selvaraj successfully completed their Ph.D. degrees from Anna University.*
- *SCI Publications: Faculty members published 12 research papers in SCI-indexed journals.*
- *Conference Publications: Faculty members presented 4 research papers at national conferences.*
- *Faculty Development: Faculty members participated in various Faculty Development Programmes (FDPs), workshops, and seminars to enhance their knowledge and skills.*
- *NPTEL Certification: Faculty members successfully completed NPTEL certification courses in their respective fields.*
- *Guest Lectures and Workshops: Faculty members delivered guest lectures and organized workshops, sharing their expertise and promoting technical knowledge.*







Faculty Puplications

- *Mr. P.S.R. Senthil Maharaj and Mr. A. Vignesh Moorthy Pandian published a Scopus-indexed research paper titled "Experimental and Finite Element Analysis on the Effect of Pores on Bio-Printed Polycaprolactone Bone Scaffolds" in Bioprinting, Elsevier, Volume 34, in 2023. The research investigates the influence of pores in bio-printed polycaprolactone bone scaffolds through experimental and finite element analysis. DOI: 10.1016/j.bprint.2023.e00301.*
- *Dr. R. Selvabharathi published a research paper titled "Effect on One-Type Dipping Coating Method of Microstructure and Physical Properties of Indian Almond Fiber (IAF)/Titanium Oxide (TiO_2)/Zirconium Oxide (Zr_2O_3)/Carbon Nanotube (CNT) Inorganic-Organic Nanocomposite Materials" in Biomass Conversion and Biorefinery on 26 October 2023. The paper investigates the microstructure and physical properties of nanocomposite materials prepared using the dipping coating method. DOI: 10.1007/s13399-023-04983-3.*

  Dr. R. Selvabharathi published a book chapter titled "Effect of Carbon Nanotubes, Aluminum Hydroxide, and Zinc Borate on the Mechanical and Fire Properties of Epoxy Nanocomposite" in the book Nanocomposite and Nanohybrid Materials: Processing and Applications. The chapter focuses on the influence of these additives on the mechanical and fire properties of epoxy nanocomposites.
- *Dr. R. Selvabharathi published a research paper titled "Microstructure and Corrosion Resistance of 23Cr9Ni4Mo2Mn Filler Duplex Stainless Steel 2205 Fabricated by Wire Arc Additive Manufacturing with Subsequent Severe Shot Peening and Ni58Cr20Fe5Mo10 Plasma Spray Coating" in Materials Today Communications, Volume 37, in December 2023. The paper examines the microstructure and corrosion resistance of duplex stainless steel 2205 fabricated through wire arc additive manufacturing, followed by surface treatment. The journal impact factor was reported as 3.8. DOI: 10.1016/j.mtcomm.2023.107560.*
- *Dr. G. Manikandaraja, along with R. Pandiyarajan, A. Vasanthanathan, and S. Sabarish, published an SCI-indexed research paper titled "Experimental Exploration of Mechanical Behavior of Graphene Oxide Blend Polymer Nanocomposite" in Pigment & Resin Technology on 21 December 2023. The research focuses on the experimental investigation of the mechanical behavior of graphene oxide blend polymer nanocomposites.*

Faculty Puplications

- *Dr. G. Vairamuthu published a Scopus-indexed research paper titled "Enhancing the Yield Rate Day Production of Solar Desalination Plant and Maximizing the Performance of Conventional Desalination Plant" in Tuijin Jishu/Journal of Propulsion Technology, Volume 45, Issue 1, pages 2169–2174. The paper discusses methods for improving the daily yield of solar desalination plants and maximizing the performance of conventional desalination plants.*
- *Mr. P.S.R. Senthil Maharaj published an SCI-indexed research paper titled "PEEK-Based 3D Printing: A Paradigm Shift in Implant Revolution for Healthcare" in Polymer-Plastics Technology and Materials, Taylor & Francis, in 2024. The paper explores the application of PEEK-based 3D printing in healthcare, particularly its potential for implant development. The journal impact factor was reported as 2.7. DOI: 10.1080/25740881.2024.2302537.*
- *Mr. P.S.R. Senthil Maharaj published a research paper titled "Impact of Mechanical Engineering Innovations in Biomedical Advancements" in In Vitro Models, Springer, in 2024. The paper highlights the role of mechanical engineering innovations in supporting advancements in biomedical applications. DOI: 10.1007/s44164-024-00065-4.*
- *Mr. P.S.R. Senthil Maharaj published a research paper titled "A Complete Overview of Self-Healing Composites Including Its Models in Aeronautical Systems" in Polymer-Plastics Technology and Materials, Taylor & Francis, in 2024. The paper presents an overview of self-healing composites and their models, with a focus on applications in aeronautical systems. DOI: 10.1080/25740881.2024.2325427.*
- *Dr. M. Sekar, Principal, and Dr. R. Selvabharathi, Professor and Head of the Department of Mechanical Engineering, published a research paper titled "Enhanced Interlaminar Structure and Dynamic Mechanical Properties of Tectona grandis Fiber (TGF)/Polypropylene Fiber (PPF)/Carbon Nanotube (CNT) Nanocomposite Prepared by Solid Dipping Coating Process" in the Journal of Polymer Engineering. The paper investigates the interlaminar structure and dynamic mechanical properties of the nanocomposite prepared using the solid dipping coating process. The journal impact factor was reported as 3.7.*



Faculty Puplications

- *Mr. P.S.R. Senthil Maharaj published an SCI-indexed research paper titled "A Novel Carbon-Flax Bio-Epoxy Hybrid Composite Bone Plate with Enhanced Bio-Mechanical Performance" in Materialwissenschaft und Werkstofftechnik, Wiley, in 2024. The research focuses on the development of a carbon-flax bio-epoxy hybrid composite bone plate and its biomechanical performance. The journal impact factor was reported as 1.2. DOI: 10.1002/mawe.202300230.*
- *Mr. P.S.R. Senthil Maharaj published an SCI-indexed research paper titled "Cutting-Edge Tool Wear Monitoring in AISI 4140 Steel Hard Turning Using Least Square-Support Vector Machine" in the Journal of the Chinese Institute of Engineers, Taylor & Francis, in 2024. The paper focuses on monitoring tool wear during the hard turning of AISI 4140 steel using a least square-support vector machine approach. The journal impact factor was reported as 1.0. The DOI provided in the source document is 10.1002/mawe.202300230.*

M.Kaliraj, published a journal titled "Fabrication and Testing of Crop Waste Ceibapentandra Shell Powder Reinforced Biodegradable Composite Films" American Chemical Society, 2023, Volume 8, Issue No 45., https://doi.org/10.1021/acsomega. 3c05 577.



Faculty publications in Conference

- Dr. G. Manikandaraja, Assistant Professor (SG), Department of Mechanical Engineering, presented a paper titled “Design and Creation of a Pin-on-Disc Wear Machine at a Low Cost” at the Ninth National Conference on Advancements in Mechanical, Environmental, Safety and Health Engineering (AMESHE-2023), organized by the Knowledge Institute of Technology, Salem, on 5 October 2023.
- Dr. G. Manikandaraja, Assistant Professor (SG), Department of Mechanical Engineering, presented a paper titled “Design and Construction of an Efficient Bagasse Fiber Extraction Machine” at the Ninth National Conference on Advancements in Mechanical, Environmental, Safety and Health Engineering (AMESHE-2023), organized by the Knowledge Institute of Technology, Salem, on 5 October 2023.
- Dr. G. Manikandaraja, Assistant Professor (SG), Department of Mechanical Engineering, presented a paper titled “Enhancing the Mechanical Properties of Novel Ternary Epoxy Resin Composites” at the National Conference on Biopolymers & Green Composites (BPGC 2023), organized by CIPET, Kochi, on 24 and 25 November 2023.



GUEST LECTURE DELIVERED BY FACULTY

- Mr.S.Balamurgan, Assistant Professor, Department of Mechanical Engineering, delivered a lecture in the Skill Development Program with the title “Product Design Using CREO” for the polytechnic studentsat Ayyanadar Janakiammal Polytechnic College, Sivakasi, on 22-11-2023 & 23-11-2023.
- Mr.M.Nagendran, Assistant Professor, Department of Mechanical Engineering, delivered a lecture in the Skill Development Program with the title “Product Design Using CREO” for the polytechnic studentsat Ayyanadar Janakiammal Polytechnic College, Sivakasi, on 27-11-2023, 28.11.2023 & 29-11-2023.
- Dr.G.Manikandaraja, Assistant Professor (SG), Department of Mechanical Engineering, delivered a lecture in the Certification Course with the title “Product Design Using Fusion 360” for the third year mechanical students at AAA College of Engineering and Technology, Sivakasi, from 22-01-2024 to 30-01-2024.
- Mr.S.Balamurugan, Assistant Professor, Department of Mechanical Engineering, delivered a lecture in the Certification Course with the title “Product Design Using Fusion 360” for the third year mechanical students at AAA College of Engineering and Technology, Sivakasi, from 22-01-2024 to 30-01-2024.
- Mr.P.S.R Senthilmaharaj, Assistant Professor, Department of Mechanical Engineering, delivered a lecture in the Certification Course with the title “Product Design Using Fusion 360” for the third year mechanical students at AAA College of Engineering and Technology, Sivakasi, from 22-01-2024 to 30-01-2024.
- Dr.G.Manikandaraja, Assistant Professor (SG), Department of Mechanical Engineering, delivered a lecture in the Online Technical webinar with the title “Drafting Techniques for Patent filing” for the mechanical students a ofFatima Michael College of Engineering and Technology, Madurai on 03-01-2024.



GUEST LECTURE DELIVERED BY FACULTY

- Dr.G.Manikandaraja, Assistant Professor (SG), Department of Mechanical Engineering, delivered a guest lecture in the workshop with the title of “Research, innovation and Intellectual property rights” for the mechanical department students at Arasan Ganesan Polytechnic, Sivakasi on 12.04.2024

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- Dr.G.Manikandaraja, Assistant Professor (SG), Department of Mechanical Engineering, delivered a lecture in the workshop with the title of “Intellectual property rights and IP management for start-Up” for the mechanical department students at Sri Sowdambika College of Engineering, Arupukottai, on 24.04.2024.





NPTEL COURSE COMPLETED BY FACULTY

Dr.G.Manikandaraja, Assistant Professor(SG), Department of Mechanical Engineering, successfully completing the NPTEL online certification course "Patent Law for Engineers and Scientists" duration of course as 12 weeks (July 2023 to Oct 2023)
Dr.G.Manikandaraja, Assistant Professor(SG), Department of Mechanical Engineering, successfully completing the NPTEL online certification course "Patent drafting for beginners" duration of course as 12 weeks (Jan 2024 to Feb 2024)



FDP / SEMINARS / WORKSHOPS ATTENDED BY FACULTY

- *Mr.P.S.R. Senthil Maharaj, Assistant Professor, Department of Mechanical Engineering, attended the Two Week National Level Virtual Workshop on "Advanced Research Methodology" conducted by SRM Institute of Science and Technology, Ramapuram Campus from 3rd July 2023 to 18th July 2023.*
- *Mr. S.Balamurugan, Assistant Professor, Department of Mechanical Engineering, attended the Two Week National Level Virtual Workshop on "Advanced Research Methodology" conducted by SRM Institute of Science and Technology, Ramapuram Campus from 3rd July 2023 to 18th July 2023.*
- *Mr.M.Nagendran, Assistant Professor, Department of Mechanical Engineering Attended National level two week faculty development program entitled as "Advanced Research Methodology " Organized by SRM Institute of Science and Technology, Chennai from 03.07.2023 to 18.07.2023*
- *Dr.R.Meby Selvaraj, Department of Mechanical Engineering participated in five days faculty development program on CO Po Mapping and CO PO Attainment on 10th July to 14th July 2023 organized by Greater Kolkata College of Engineering & Management (GKCEM)*
- *Mr.M.Kaliraj, Assistant Professor, Department of Mechanical Engineering, attended the Attended Centre for faculty & Professional Development, Anna University Chennai sponsored Faculty Development Training Program on "CME 339 – Additive Manufacturing" conducted in physical mode by the Department of Mechanical Engineering at Kamaraj College of Engineering and Technology, Virudhunagar from 17.07.2023 to 22.07.2023.*
- *Dr.R.Meby Selvaraj, Department of Mechanical Engineering participated and successfully completed the Faculty Development Programme on Industry 4.o and its Application in Mechanical Engineering conducted by TANSAM during 24th – 28th July, 2023*
- *Dr.R.Meby Selvaraj, Department of Mechanical Engineering participated in the One Day Workshop on Virtual Labs in collaboration with Amrita Vishwa Vidyapeetham on Wednesday, 02-08-2023. organized by the nodal centre AAA College of Engineering and Technology, Tamil Nadu*

FDP / SEMINARS / WORKSHOPS ATTENDED BY FACULTY

- *Dr.P.Seenikannan, Professor, Department of Mechanical Engineering participated online webinar on "Preparation, Characterization testing of metal matrix composites prepared through PM technique " organized by SRM Madurai College of Engineering and Technology, on 26.08.2023.*
- *Dr.G.Vairamuthu, Associate Professor, Department of Mechanical Engineering Participated in the webinar on "Preparation, Characterization, Testing of Metal Matrix Composites prepared through PM techniques" organized by Department of Mechanical Engineering, SRM MADURAI College for Engineering and Technology, Madurai, on 26.08.2023*
- *Dr.P.Seenikannan, Professor, Department of Mechanical Engineering attended online FDP program on "Engineering Thermodynamics" organized by CARE College of Engineering, Trichy, from 28.08.2023 to 01.09.2023.*
- *Dr.G.Vairamuthu, Associate Professor, Department of Mechanical Engineering Participated in the online Faculty Development Program in "Engineering Thermodynamics"organized by Department of Mechanical Engineering, CARE College of Engineering, Trichy, from 28.08.2023 to 01.09.2023*
- *Dr. R.Meby Selvaraj, Assistant Professor (Sr.G), Department of Mechanical Engineering was awarded as "Galactic Local judge" for outstanding participation and efforts to solve challenges on earth and space by NASA international space apps challenge held at AAA College of Engineering and Technology from 07.10.2023 to 08.10.2023*
- *Mr.M.Nagendran, Assistant Professor , Department of Mechanical Engineering was awarded as "Mentor" for outstanding participation and efforts to solve challenges on earth and space by NASA international space apps challenge held at AAA College of Engineering and Technology from 07.10.2023 to 08.10.2023*
- *Dr.G.Manikandaraja, Assistant Professor(SG), Department of Mechanical Engineering, successfully completing the "Lean Six Sigma Yellow Belt Certificate" course awarded on 8-10-2024 by ANEXAS EUROPE certification.*

FDP / SEMINARS / WORKSHOPS ATTENDED BY FACULTY

- *Dr.R.Selvabharathi Prof/HOD, Department of Mechanical Engineering, attended the Faculty Development Program on "3D Printing and Design: Multi-Disciplinary Applications and Research Perspectives" at Mepco Schlenk Engineering College, Sivakasi, from 27-11-2023 to 02-12-2023.*
- *Dr.P.Seenikannan, Prof/Dean, Department of Mechanical Engineering, attended the Faculty Development Program on "3D Printing and Design: Multi-Disciplinary Applications and Research Perspectives" at Mepco Schlenk Engineering College, Sivakasi, from 27-11-2023 to 02-12-2023.*
- *Dr.G.Vairamuthu, Associate Professor,Department of Mechanical Engineering Participated in the Seminar on "Advanced Additive Manufacturing and Nano material coating with Industrial application" organized by Centre of Research, AAA College of Engineering and Technology, Sivakasi, on 01.11.2023-03.11.2023.*
- *Dr. R.Meby Selvaraj, Assistant Professor (Sr.G) Department of Mechanical Engineering Participated in the Seminar on "Advanced Additive Manufacturing and Nano material coating with Industrial application" organized by Centre of Research, AAA College of Engineering and Technology, Sivakasi, on 01.11.2023-03.11.2023.*
- *Dr.G.Manikandaraja, Assistant Professor (SG), Department of Mechanical Engineering Participated in the Seminar on "Advanced Additive Manufacturing and Nano material coating with Industrial application" organized by Centre of Research, AAA College of Engineering and Technology, Sivakasi, on 01.11.2023-03.11.2023.*
- *Mr.M.Kalirai, Assistant Professor, Department of Mechanical Engineering Participated in the Seminar on "Advanced Additive Manufacturing and Nano material coating with Industrial application" organized by Centre of Research, AAA College of Engineering and Technology, Sivakasi, on 01.11.2023-03.11.2023.*
- *Mr.P.S.R.Senthil Maharaj, Assistant Professor, Department of Mechanical Engineering Participated in the Seminar on "Advanced Additive Manufacturing and Nano material coating with Industrial application" organized by Centre of Research, AAA College of Engineering and Technology, Sivakasi, on 01.11.2023-03.11.2023.*

FDP / SEMINARS / WORKSHOPS ATTENDED BY FACULTY

- *Mr.P.C.Rajarajan, Assistant Professor, Department of Mechanical Engineering Participated in the Seminar on "Advanced Additive Manufacturing and Nano material coating with Industrial application" organized by Centre of Research, AAA College of Engineering and Technology, Sivakasi, on 01.11.2023-03.11.2023.*
- *Mr.S.Balamurugan, Assistant Professor, Department of Mechanical Engineering Participated in the Seminar on "Advanced Additive Manufacturing and Nano material coating with Industrial application" organized by Centre of Research, AAA College of Engineering and Technology, Sivakasi, on 01.11.2023-03.11.2023.*
- *Mr.A.Vignesh Moorthy Pandian, Assistant Professor, Department of Mechanical Engineering Participated in the Seminar on "Advanced Additive Manufacturing and Nano material coating with Industrial application" organized by Centre of Research, AAA College of Engineering and Technology, Sivakasi, on 01.11.2023-03.11.2023.*
- *Mr.M.Nagendran, Assistant Professor, Department of Mechanical Engineering Participated in the Seminar on "Advanced Additive Manufacturing and Nano material coating with Industrial application" organized by Centre of Research, AAA College of Engineering and Technology, Sivakasi, on 01.11.2023-03.11.2023.*
- *Mr.M.Karthikeyan, Assistant Professor, Department of Mechanical Engineering Participated in the Seminar on "Advanced Additive Manufacturing and Nano material coating with Industrial application" organized by Centre of Research, AAA College of Engineering and Technology, Sivakasi, on 01.11.2023-03.11.2023.*
- *Dr.G.Manikandaraja, Assistant Professor(SG), Department of Mechanical Engineering, successfully completing the one day (15-11-2023) FDP course on "Microgrid System design and Simulation using Homer pro & Homer Grid Software" conducted by HOMER Energy in association with M/S Dell soft Technologies Pvt Ltd., New Delhi.*
- *Dr. R.Meby Selvaraj, Assistant Professor (Sr.G), Department of Mechanical Engineering participated in the "Orientation Workshop on Unnat Bharth Abiyan: Strategies to work with Rural Communities through Participatory Approach"held at Sarada Krishna Homoeopathic Medical College. Kulasekharam. Kanniyakumari District, from 20.11.2023 to 21.11.2023*
- *Dr. R.Meby Selvaraj, Assistant Professor (Sr.G), Department of Mechanical Engineering attended the one-day event "Ansys Academic Innovation Conference" conducted by CADFEM INDIA at Tirunelveli on 24.11.2023*

FDP / SEMINARS / WORKSHOPS ATTENDED BY FACULTY

- *Mr. P.C.Rajarajan, Assistant Professor, Department of Mechanical Engineering, attended the Six day ATAL Sponsored FDP "A Multi Disciplinary Applications and Research Perspectives" conducted by Mepco Schlenk Engineering College Sivakasi from 27/11/2023 to 02/12/2023*
- *Mr.S. Balamurgan, Assistant Professor, Department of Mechanical Engineering, attended the Faculty Development Program on "3D Printing and Design: Multi-Disciplinary Applications and Research Perspectives" at Mepco Schlenk Engineering College, Sivakasi, from 27-11-2023 to 02-12-2023.*
- *Dr.G.Vairamuthu, Associate Professor, Department of Mechanical Engineering Participated in the Seminar on "How to write a successful research proposal for funding" organized by Centre of Research, AAA College of Engineering and Technology, Sivakasi, on 27.12.2023.*
- *Dr. R.Meby Selvaraj, Assistant Professor (Sr.G), Department of Mechanical Engineering participated in one day seminar on "How to Write a Successful Research proposal for Funding" organised by Centre of Research, AAA College of Engineering and Technology Sivakasi,on 27.12.2023*
- *Mr.M.Nagendran, Assistant Professor, Department of Mechanical Engineering Participated in the Seminar on "How to write a successful research proposal for funding" organized by Centre of Research, AAA College of Engineering and Technology, Sivakasi, on 27.12.2023.*
- *Dr.G.Vairamuthu, Associate Professor, Department of Mechanical Engineering Participated in the "IIC Regional Meet" organized by Francis Xavier Engineering College, Tirunelveli, on 24.01.2024.*
- *Mr. P.S.R. Senthil Maharaj, Assistant Professor, Department of Mechanical Engineering, appreciate their contribution in offering mendeley training workshop and promoting good research practices on 03.01.2024.*
- *Dr.G.Manikandaraja, Assistant Professor (SG), Department of Mechanical Engineering Participated regional meet held Francis Xavier Engineering College, Tirunelveli, on 24.01.2024*
- *Dr. R.Meby Selvaraj, Assistant Professor (Sr.G), Department of Mechanical Engineering attended five days online FDP of "Application of Artificial Intelligence Techniques in Mechanical Engineering System" from 05.02.2024 to 09.02.2024 organised by Mechanical Engineering Division in collaboration with Technology mission on Green and Sustainable Manufacturing, Karunya Institute of Technology and Sciences, Coimbatore, Tamil Nadu, India.*

FDP / SEMINARS / WORKSHOPS ATTENDED BY FACULTY

- *Mr.M.Nagendran, Assistant Professor, Department of Mechanical Engineering has attend the bootcamb Camera –based driver assistance system organized by Skill Lync, on 09.02.2024.*
- *Dr.G.Vairamuthu, Associate Professor, Department of Mechanical Engineering acted as judge in the Tier –II held SAE India Collegiate club of Mepco Sehlenk Engineering College Sivakasi, on 20.02.2024.*
- *Dr. R.Meby Selvaraj, Assistant Professor (Sr.G), Department of Mechanical Engineering attended live master class on 'Claude AI' organised by skill nation on 29.02.2024*
- *Dr.G.Manikandaraja. Assistant Professor (SG) Department of Mechanical Engineering Attended Faculty development program of ArtificialIntelligence and Machine learning Fundamental conducted by Naan Muthalvan schema and organized by Anna University Dindigul Campus for 1/02/24 to 3/02/2024.*
- *Dr.G.Manikandaraja, Assistant Professor (SG), Department of Mechanical Engineering, participated in the science and research board, Government of India Sponsored two days national seminar the title of "Additive manufacturing promoting sustainability; current trends and challenges " organized by department of mechanical engineering, Rohini College of Engineering and technology, Nagercoil on 25.04.2024 and 26.04.2024.*
- *Dr.G.Vairamuthu, Department of Mechanical Engineering Participated in the Short Term Course on "NBA & NAAC Strategic Preparation for Enhancing Quality of Education" organized by National Institute of Technical Teachers Training & Research, Chandigarh, from 27.05.2024 to 31.05.2024.*
- *Mr.M.Kaliraj, Assitant Professor, Department of Mechanical Engineering attended One-week online international Faculty development Program on "Advancement in Automobile engineering for sustainable development" Conducted by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad in association with the SAE Collegiate club of VNRVJIET from 24.06.2024 to 30.06.2024.*

KNOWLEDGE DELIVERY AT VARIOUS DEPARTMENTS

"Implementation of 5S system" was conducted on 28.11.2023 for the faculty of Civil Engineering Department of AAA College of Engineering and Technology. Dr.R.Meby Selvaraj, Assistant Professor, Senior Grade, Department of Mechanical Engineering, AAA College of Engineering and Technology handled the session. All faculty from Civil Department actively participated in the programme.



DEPARTMENT ACTIVITIES

National Level Technical Symposium "MECDEZ 2K24"

A National Level Technical Symposium "MECDEZ" On March 7, 2024, at AAA College of Engineering and Technology in Sivakasi, was held on behalf of the Department of Mechanical Engineering. This National Level Technical Symposium had 80 participants from various engineering colleges and polytechnic colleges. At the opening ceremony, A. Bhuvanesh, a third-year student, gave the welcoming address. Dr. R. Selvabharathi, Head of Department, delivered the inauguration speech on that particular occasion.

As the Chief Guest of this event, Mr. A. Balachandar, M.B.A., Manager of Human Resources, joined. The memento is given to the principal guest as a symbol of affection by Dr. M. Sekar and Dr.R. Selvabharathi.



Happy Clips

National Level Technical Symposium "MECDEZ 2K24"









KNOWLEDGE DELIVERY AT VARIOUS DEPARTMENTS

Advanced Vehicle Diagnostics

The Bosch center of excellent – CAR and SAE Collegiate club was conducting the three-day workshop on Advanced Vehicle Diagnostics aimed to provide participants with comprehensive insights into diagnosing and troubleshooting complex issues in modern vehicles. Led by industry experts, Mr. A. Vignesh Moorthy Pandian and Mr. M. Nagendran, the workshop focused on advanced techniques and methodologies essential for automotive technicians and engineers. From 22.04.2024 to 24.04.2024





KNOWLEDGE DELIVERY AT VARIOUS DEPARTMENTS

Autodesk Fusion 360 International Certification Course

The Department of Mechanical Engineering at AAACET conducted the Autodesk Fusion 360 International Certification course in collaboration with ICT Academy. This course aimed to equip our students with essential skills in computer-aided design (CAD) using Autodesk Fusion 360, leading software in the field. The training was conducted from January 22, 2024, to January 30, 2024, followed by the International Certification exam scheduled for February 2024. It was compulsory for all 3rd-year Mechanical Engineering students to participate in this course.





KNOWLEDGE DELIVERY AT VARIOUS DEPARTMENTS

SAE Trekking events

The SAE Trek was conducted as a one-day event to promote relaxation, enjoyment, teamwork, and friendship among students. Around 15 members participated in the trek, accompanied by Mr. A. Vignesh Moorthy Pandian. The students trekked through Alagarkoil Hills, enjoying the greenery, pleasant weather, and scenic surroundings, and visited Pazhamudhircholai. The team then visited Madurai Auto Expo 2023 at Tamukkam Ground, showcasing the latest developments in the automobile industry. The event also created awareness about road safety and accident prevention.







KNOWLEDGE DELIVERY AT VARIOUS DEPARTMENTS

Bike Sketching Event

On October 13, 2023, at 3:00 PM, a Bike Sketching Event was conducted at Department of Mechanical Engineering. This event was organized for the students of the third year of the Mechanical Engineering department. The purpose of the event was to encourage students' creativity and provide them with an opportunity to highlight their sketching skills related to automotive design



SAEINDIA
SOUTHERN SECTION

KNOWLEDGE DELIVERY AT VARIOUS DEPARTMENTS

Advanced Additive Manufacturing & Nano Materials Coating with Industrial Application

The Department of Mechanical Engineering organized a three-day Faculty Development Programme on "Advanced Additive Manufacturing & Nano Materials Coating with Industrial Application" from 01st to 03rd November 2023. The programme was inaugurated by Dr. N. Shiva Shanmugam, Associate Professor, NIT Trichy, with felicitation by Principal Dr. M. Sekar and inaugural address by Dr. R. Selvabharathi, Professor & HoD/Mech. The resource persons highlighted the challenges and opportunities in Additive Manufacturing. More than 120 students, research scholars, and faculty members participated and received certificates. The programme was coordinated by Mr. M. Kaliraj, AP/Mech and Mr. M. Karthikeyan, AP/Mech.



STUDENTS' ACHIEVEMENTS

- Manmathan R III year Department of Mechanical Engineering has participated in the workshop Tech Trends & Jobs in 2024 organised by "U Can Solution & Tech Fever Tablet" on 19-11-2023
- K. Suriya Prakash III year Department of Mechanical Engineering has participated in the Technical career Counselling organised by "AWS Community Builders"
- Bhuvanesh A III year Department of Mechanical Engineering has participated in the "Webinar on High voltage Safety systems in HEVand BEV" organised by "ISIEINDIA"
- M Selvakumar III year Department of Mechanical Engineering has participated in "Ninth National Conference on AMESHE 2023 (Advancement in Mechanical,Environmental, Safety and Health Engineering)" paper entitled "Design and construction of an Bagassee Extraction Machine" oraganised by "Knowledge institute of Technology, Kakapalayam, Salem" on 05-10-2023
- S.Balaji IV year Departmentof Mechanical Engineering has participated in "Ninth National Conference on AMESHE 2023 (Advancement in Mechanical,Environmental, Safety and Health Engineering)" paper entitled "Design and creation of a pin on Disc wear machine at a low cost" oraganised by "Knowledge institute of Technology, Kakapalayam, Salem" on 05-10-2023
- Manmathan R III year Department of Mechanical Engineering has participated in the Engineer's Day Celebration" Organized by the Institution's Innovation Council (IIC of AAA College of Engineering and Technology ,Sivakasi on 07-10-2023
- Bhuvanesh A III year Department of Mechanical Engineering has completed the "21 days Masterclass on Python Programming" organised by "Pantech E learning" from 25.10.2023 to 14.11.2023
- Bhuvanesh A III-year Department of Mechanical Engineering has completed the 8 Days Free Certified Program on "Introduction to IoT" organised by "Sky Skill Academy on 26.07.2023
- Bhuvanesh A III-year Department of Mechanical Engineering has completed Online Quiz competition on "Automobile Engineering" organized by SRM - Madurai College of Engineering and Technology, on 29-10-2023
- Bhuvanesh A III-year Department of Mechanical Engineering, participated in the webinar on "Write Effective Resume and Cover letter" organized by "TCSiON" on 02-12-2023.
- Vetrivelmani T, Sanjay N, Final Year Mechanical Engineering Students were won the first prize Reverse Engineering in Tier –II events organized by SAE India Collegiate club of Mepco Sehlenk Engineering College Sivakasi, on 20.02.2024.
- Isaacreinhard A, Harikaran C, Third Year Mechanical Engineering Students were won the first prize Bridge building in Tier –II events organized by SAE India Collegiate club of Mep



Participation in Symposium /Workshop / Quiz / NPTEL

- A. Bhuvanesh participated in the 8 Days Free Certified Program on Introduction to IoT, conducted by Sky Skill Academy, at the state level on 26.07.2023.
- K. Amarnath participated in the Tamil Kanavu Program, conducted by the Rotaract Club of Virudhunagar, at the district level on 28.07.2023.
- T. Abimanyu participated in the paper presentation event at SAIMECH 2023, organized by the Department of Mechanical Engineering, Sri Sairam Engineering College, Chennai, at the national level on 03.08.2023.
- K. Amarnath participated in the paper presentation event at SAIMECH 2023, organized by the Department of Mechanical Engineering, Sri Sairam Engineering College, Chennai, at the national level on 03.08.2023.
- P. Ayyanar participated in the paper presentation event at SAIMECH 2023, organized by the Department of Mechanical Engineering, Sri Sairam Engineering College, Chennai, at the national level on 03.08.2023.
- K. Azhagu participated in the Material Identification event at SAIMECH 2023, organized by the Department of Mechanical Engineering, Sri Sairam Engineering College, Chennai, at the national level on 03.08.2023.
- M. Gopalakrishnan participated in the Material Identification event at SAIMECH 2023, organized by the Department of Mechanical Engineering, Sri Sairam Engineering College, Chennai, at the national level on 03.08.2023.
- P. Hariharan participated in the Material Identification event at SAIMECH 2023, organized by the Department of Mechanical Engineering, Sri Sairam Engineering College, Chennai, at the national level on 03.08.2023.
- K. Jeyarajasekar participated in the Mr. Designer event at SAIMECH 2023, organized by the Department of Mechanical Engineering, Sri Sairam Engineering College, Chennai, at the national level on 03.08.2023.
- V. Kaviyarasan participated in the Mr. Designer event at SAIMECH 2023, organized by the Department of Mechanical Engineering, Sri Sairam Engineering College, Chennai, at the national level on 03.08.2023.
- K. Kishore Pandiarajan participated in the Mr. Designer event at SAIMECH 2023, organized by the Department of Mechanical Engineering, Sri Sairam Engineering College, Chennai, at the national level on 03.08.2023.
- M. Manojkumar participated in the Mr. Designer event at SAIMECH 2023, organized by the Department of Mechanical Engineering, Sri Sairam Engineering College, Chennai, at the national level on 03.08.2023.
- A. Antony Raja participated in a Speech Competition conducted by the Rotaract Club of Virudhunagar at the district level on 07.10.2023.
- K. Prabhakaran participated in the paper presentation event at MECH STROME 2K23, a Mechanical Engineering Symposium organized by Kings College of Engineering, Thanjavur, Tamil Nadu, at the national level on 11.10.2023.



Participation in Symposium /Workshop / Quiz / NPTEL

- S. Sarathi Kannan participated in the paper presentation event at MECH STROME 2K23, a Mechanical Engineering Symposium organized by Kings College of Engineering, Thanjavur, Tamil Nadu, at the national level on 11.10.2023.
- P. Satheeskumar participated in the paper presentation event at MECHSTROME 2K23, a Mechanical Engineering Symposium organized by Kings College of Engineering, Thanjavur, Tamil Nadu, at the national level on 11.10.2023.
- M. Selvakumar participated in the Technical Quiz at MECH STROME 2K23, a Mechanical Engineering Symposium organized by Kings College of Engineering, Thanjavur, Tamil Nadu, at the national level on 11.10.2023.
- T. Vetrivel Mani participated in the Technical Quiz at MECH STROME 2K23, a Mechanical Engineering Symposium organized by Kings College of Engineering, Thanjavur, Tamil Nadu, at the national level on 11.10.2023.
- C. S. K. Nataraja participated in the Technical Quiz at MECH STROME 2K23, a Mechanical Engineering Symposium organized by Kings College of Engineering, Thanjavur, Tamil Nadu, at the national level on 11.10.2023.
- M. Raghul Sharma participated in the Project Expo at MECH STROME 2K23, a Mechanical Engineering Symposium organized by Kings College of Engineering, Thanjavur, Tamil Nadu, at the national level on 11.10.2023.
- P. Anbuselvan participated in the Project Expo at MECH STROME 2K23, a Mechanical Engineering Symposium organized by Kings College of Engineering, Thanjavur, Tamil Nadu, at the national level on 11.10.2023.
- R. Manmathan participated in the Workshop on Tech Trends & Jobs in 2024, conducted by U Can Solution and Tech Fever Tablet, at the state level on 19.11.2023.
- K. Suriya Prakash participated in a Technical Career Counselling programme conducted by AWS Community Builders at the state level on 19.11.2023.
- A. Bhuvanesh participated in a webinar on High Voltage Safety Systems in HEV and BEV, conducted by ISIEINDIA, Chennai, at the state level on 19.11.2023.
- A. Bhuvanesh participated in the 21 Days Masterclass on Python Programming, conducted by Pantech E Learning, from 25.10.2023 to 14.11.2023, at the state level.
- A. Bhuvanesh participated in an Online Quiz on Automobile Engineering, conducted by SRM Madurai College of Engineering and Technology, Madurai, at the state level on 29.10.2023.
- A. Bhuvanesh participated in a webinar on Write Effective Resume and Cover Letter, conducted by TCS iON, Chennai, at the state level on 02.12.2023.
- T. Vetrivelmani participated in the SAE Tier-II Event conducted at Mepco Schlenk Engineering College, Sivakasi, at the state level on 20.02.2024.
- N. Sanjay participated in the SAE Tier-II Event conducted at Mepco Schlenk Engineering College, Sivakasi, at the state level on 20.02.2024.



Participation in Symposium /Workshop / Quiz / NPTEL

- M. Manoj Kuumar participated in the SAE Tier-II Event conducted at Mepco Schlenk Engineering College, Sivakasi, at the state level on 20.02.2024.
- R. Vickram participated in an Election Quiz Awareness programme conducted by the District Collector's Office, Virudhunagar, at the district level on 30.03.2024.
- M. Manoj Kuumar participated in an Election Quiz Awareness programme conducted by the District Collector's Office, Virudhunagar, at the district level on 30.03.2024.
- A. Antony Raja participated in the paper presentation event at MECHTRIX 2K24, organized by the Department of Mechanical Engineering, Periyar Maniammai Institute of Science & Technology, Thanjavur, at the national level on 28.03.2024.
- S. Deva Dharshini participated in the paper presentation event at MECHTRIX 2K24, organized by the Department of Mechanical Engineering, Periyar Maniammai Institute of Science & Technology, Thanjavur, at the national level on 28.03.2024.
- S. Ezhilarasan participated in the paper presentation event at MECHTRIX 2K24, organized by the Department of Mechanical Engineering, Periyar Maniammai Institute of Science & Technology, Thanjavur, at the national level on 28.03.2024.
- K. Guru Vignesh participated in the 3D Drafter event at MECHTRIX 2K24, organized by the Department of Mechanical Engineering, Periyar Maniammai Institute of Science & Technology, Thanjavur, at the national level on 28.03.2024.
- K. Kanishvardhan participated in the 3D Drafter event at MECHTRIX 2K24, organized by the Department of Mechanical Engineering, Periyar Maniammai Institute of Science & Technology, Thanjavur, at the national level on 28.03.2024.
- Y. Mayalagu participated in the 3D Drafter event at MECHTRIX 2K24, organized by the Department of Mechanical Engineering, Periyar Maniammai Institute of Science & Technology, Thanjavur, at the national level on 28.03.2024.
- S. Mohamed Ashif participated in the 3D Drafter event at MECHTRIX 2K24, organized by the Department of Mechanical Engineering, Periyar Maniammai Institute of Science & Technology, Thanjavur, at the national level on 28.03.2024.
- G. Nagaraj participated in the CADD Modeling event at MECHZEAL 2023–2024, organized by the Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam, at the national level on 16.04.2024.
- M. Navaneethan participated in the CADD Modeling event at MECHZEAL 2023–2024, organized by the Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam, at the national level on 16.04.2024.
- C. Neethiselvan participated in the CADD Modeling event at MECHZEAL 2023–2024, organized by the Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam, at the national level on 16.04.2024.
- M. Ripudhaman participated in the Mr. Measurement event at MECHZEAL 2023–2024, organized by the Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam, at the national level on 16.04.2024.



Participation in Symposium /Workshop / Quiz / NPTEL

- B. Rohith Gurubala participated in the Mr. Measurement event at MECHZEAL 2023–2024, organized by the Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam, at the national level on 16.04.2024.
- S. Sugadeva participated in the Mr. Lathe event at MECHZEAL 2023–2024, organized by the Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam, at the national level on 16.04.2024.
- R. Sundar participated in the Mr. Lathe event at MECHZEAL 2023–2024, organized by the Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam, at the national level on 16.04.2024.
- S. Suresh Kumar participated in the Mr. Lathe event at MECHZEAL 2023–2024, organized by the Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam, at the national level on 16.04.2024.
- M. Muthaiya participated in the Project Propulsion event at MECHNOTRON 2K24, a Mechanical Engineering Symposium organized by Coimbatore Institute of Technology, Coimbatore, at the national level from 26.04.2024 to 27.04.2024.
- P. Nishanth participated in the Project Propulsion event at MECHNOTRON 2K24, a Mechanical Engineering Symposium organized by Coimbatore Institute of Technology, Coimbatore, at the national level from 26.04.2024 to 27.04.2024.
- P. Prem Kumar participated in the Project Propulsion event at MECHNOTRON 2K24, a Mechanical Engineering Symposium organized by Coimbatore Institute of Technology, Coimbatore, at the national level from 26.04.2024 to 27.04.2024.
- V. Sethumadhavan participated in the Project Propulsion event at MECHNOTRON 2K24, a Mechanical Engineering Symposium organized by Coimbatore Institute of Technology, Coimbatore, at the national level from 26.04.2024 to 27.04.2024.
- K. Sujitha participated in the Project Propulsion event at MECHNOTRON 2K24, a Mechanical Engineering Symposium organized by Coimbatore Institute of Technology, Coimbatore, at the national level from 26.04.2024 to 27.04.2024.



STUDENTS PUBLICATIONS IN CONFERANCE

- A. R. Vikram participated in the International Conference on Mechanical Engineering Design (ICMechD-2024). His conference paper was published in Volume 01, Issue No. 01.
- L. Kishor participated in the International Conference on Mechanical Engineering Design (ICMechD-2024). His conference paper was published in Volume 01, Issue No. 01.
- M. Jayaprakash Sankar participated in the International Conference on Mechanical Engineering Design (ICMechD-2024). His conference paper was published in Volume 01, Issue No. 01.
- P. Ayyanar participated in the International Conference on Mechanical Engineering Design (ICMechD-2024). His conference paper was published in Volume 01, Issue No. 01.
- K. Jeyarajasekar participated in the International Conference on Mechanical Engineering Design (ICMechD-2024). His conference paper was published in Volume 01, Issue No. 01.
- R. Sriramadesikan participated in the International Conference on Mechanical Engineering Design (ICMechD-2024). His conference paper was published in Volume 01, Issue No. 01.
- K. Azhagu participated in the International Conference on Advances in Mechanical Engineering (ICAME 2024). His conference paper was published in Volume 01, Issue No. 01.
- M. Gopalakrishnan participated in the International Conference on Advances in Mechanical Engineering (ICAME 2024). His conference paper was published in Volume 01, Issue No. 01.
- S. Rahamathulla participated in the International Conference on Advances in Mechanical Engineering (ICAME 2024). His conference paper was published in Volume 01, Issue No. 01.
- R. Muneeswaran participated in the International Conference on Advances in Mechanical Engineering (ICAME 2024). His conference paper was published in Volume 01, Issue No. 01.
- M. Raghul Sharma participated in the International Conference on Advances in Mechanical Engineering (ICAME 2024). His conference paper was published in Volume 01, Issue No. 01.
- G. Suresh participated in the International Conference on Advances in Mechanical Engineering (ICAME 2024). His conference paper was published in Volume 01, Issue No. 01.
- S. Sarathi Kannan participated in the International Conference on Advances in Mechanical Engineering (ICAME 2024). His conference paper was published in Volume 01, Issue No. 01.
- S. Saravanakumar participated in the International Conference on Advances in Mechanical Engineering (ICAME 2024). His conference paper was published in Volume 01, Issue No. 01.
- C. S. K. Nataraja participated in the International Conference on Advances in Mechanical Engineering (ICAME 2024). His conference paper was published in Volume 01, Issue No. 01.
- M. Anandharaman participated in the International Conference on Advances in Mechanical Engineering (ICAME 2024). His conference paper was published in Volume 01, Issue No. 01.
- P. Satheeskumar participated in the International Conference on Advances in Mechanical Engineering (ICAME 2024). His conference paper was published in Volume 01, Issue No. 01.
- S. Mohamed Hanifa participated in the International Conference on Advances in Mechanical Engineering (ICAME 2024). His conference paper was published in Volume 01, Issue No. 01.
- T. Abimanyu participated in the International Conference on Innovation in Mechanical Engineering & Building Sciences (ICIMEBS-2024). His conference paper was published in Volume 01, Issue No. 01.

STUDENTS PUBLICATIONS IN CONFERANCE

- A. Mohammed Usman participated in the International Conference on Innovation in Mechanical Engineering & Building Sciences (ICIMEBS-2024). His conference paper was published in Volume 01, Issue No. 01.
- G. Gokul participated in the International Conference on Innovation in Mechanical Engineering & Building Sciences (ICIMEBS-2024). His conference paper was published in Volume 01, Issue No. 01.
- K. Kishore Pandiarajan participated in the International Conference on Innovation in Mechanical Engineering & Building Sciences (ICIMEBS-2024). His conference paper was published in Volume 01, Issue No. 01.
- M. Selvakumar participated in the International Conference on Innovation in Mechanical Engineering & Building Sciences (ICIMEBS-2024). His conference paper was published in Volume 01, Issue No. 01.
- M. Sakthish Balan participated in the International Conference on Innovation in Mechanical Engineering & Building Sciences (ICIMEBS-2024). His conference paper was published in Volume 01, Issue No. 01.
- K. Prabhakaran participated in the International Conference on Recent Advancements in Science, Management, Engineering & Technology (RASMET'24). His conference paper was published in Volume 01, Issue No. 01.
- K. Hariharan participated in the International Conference on Recent Advancements in Science, Management, Engineering & Technology (RASMET'24). His conference paper was published in Volume 01, Issue No. 01.
- C. Ramkumar participated in the International Conference on Recent Advancements in Science, Management, Engineering & Technology (RASMET'24). His conference paper was published in Volume 01, Issue No. 01.
- M. Ganesan participated in the International Conference on Recent Advancements in Science, Management, Engineering & Technology (RASMET'24). His conference paper was published in Volume 01, Issue No. 01.
- V. Kaviyarasan participated in the International Conference on Recent Advancements in Science, Management, Engineering & Technology (RASMET'24). His conference paper was published in Volume 01, Issue No. 01.
- P. Sudhakar participated in the International Conference on Recent Advancements in Science, Management, Engineering & Technology (RASMET'24). His conference paper was published in Volume 01, Issue No. 01.
- K. Balasubramanian participated in the International Conference on Recent Advancements in Science, Management, Engineering & Technology (RASMET'24). His conference paper was published in Volume 01, Issue No. 01.
- J. Naveen Kumar participated in the International Conference on Recent Advancements in Science, Management, Engineering & Technology (RASMET'24). His conference paper was published in Volume 01, Issue No. 01.
- M. Mariselvam participated in the International Conference on Recent Advancements in Science, Management, Engineering & Technology (RASMET'24). His conference paper was published in Volume 01, Issue No. 01.

INDUSTRIAL VISITS

Department of Mechanical Engineering organized a one day Industrial Visit to Madurai for Third Year Mechanical Engineering Students on 28.08.2023. A team of 39 students along with 05 faculty members participated in the Industrial Visit.. The students and faculty gain knowledge through this Industrial visit.

SNP DIARY



INDUSTRIAL VISITS
EXPERIENTIAL LEARNING

Department of Mechanical Engineering organized a one day Industrial Visit to madurai for Final Year Mechanical Engineering Students on 13.10.2023. A team of 49 students along with 02 faculty members participated in the Industrial Visit. The students and faculty gain knowledge through this Industrial visit.JB Hydraulics-SIDCO INDUSTRIAL ESTATE, SIDCO Shortcut Ln, Industrial Estate, K.Pudur, Madurai, Tamil Nadu 625007. Ruby Food Products Pvt Ltd-AS 2, Melur Main Rd, Mellur, Industrial Estate, K.Pudur, Madurai, Tamil Nadu 625007.

JB HYDRAULICS



INDUSTRIAL VISITS

The Kaka Indian Boundary

Department of Mechanical Engineering organized a one day Industrial Visit to Sivakasi for Second Year Mechanical Engineering Students on 27.10.2023. A team of 52 students along with 03 faculty members participated in the Industrial Visit. The students and faculty gain knowledge through this Industrial visit. The Kaka Indian Foundry, 729, Sivakasi Virudhunagar Road, Thiruthangal– 626 130

The KAKA Indian Boundary





INDUSTRIAL VISITS

Anna Aluminum , Kerala

Department of Mechanical Engineering organized a three days Industrial Visit to Kochi and Vagamon for Third Year Mechanical Engineering Students on 07.09.2023 to 09.09.2023. A team of 35 students along with 03 faculty members participated in the Industrial Visit.. The students and faculty gain knowledge through this Industrial visit. Anna Aluminium Company Pvt Ltd., Kizhakkmabalam, Kochi, Kerala 683562 Kerala Electrical & Allied Engg. Co. Ltd., Mamala P.O, Kochi – 682 305, Kerala







INPLANT TRAINING ATTENDED BY STUDENT



- M Manojkumar II year Mechanical underwent Two Week Internship at “Brakes India Private Ltd, Chennai” from 19-06-2023 to 30-06-2023.
- K. Sujitha, A. Bala Thulasi II year Mechanical underwent two week Internship at “The Kaka Indian Foundry, Sivakasi” from 03-07-2023 to 19-07-2023
- B. Ram Laxmana Prasad II year Mechanical underwent Four week Internship at “Siemens Centre of Excellence, MIT Campus, Chennai” from 03-07-2023 to 28-07-2023
- J.Bhuvaneshwarar II year Mechanical underwent two week Internship at “3D Makers, R&D and Automation, Madurai” from 20-06-2023 to 05-07-2023
- C. Sam Sila Mercury, S. Sethuraj II year Mechanical underwent two week Internship at “Global Polybags Industries (P) LTD, Virudhunagar” from 04-07-2023 to 17-07-2023.
- V.Gurusamy, M. Veera Manikandan II year Mechanical underwent two week Internship at “K.B.Industries, Coimbatore” from 30-06-2023 to 15-07-2023.
- G.Gurudev II year Mechanical underwent two week Internship at “Janaki Printers, Sivakasi” from 05-07-2023 to 20-07-2023
- C. Arunpandi , M. Asaithambi, S. Kajendhran, K. Madhubala, V. Naveenkumar , T. Prakash, R. Rajadurai, M. Surya Prabaharan, M. Vishnu II year Mechanical and K. Kishore Pandiarajan, K. Prabhakaran, M. Selvakumar, G. Suresh III year Mechanical underwent two week Internship at “ADR Polymers, Madurai” between 20-06-2023 and 31-07-2023.
- K Amarnath III year Mechanical underwent one Month Internship at “AVM Food Products, Dindugul” from 05-07-2023 to 05-08-2023.
- P. Ayyanar, K. Balasubramanian, K. Jeyarajasekar, M. Vijayasurya III year Mechanical underwent two week Internship at “GANES Metplast PVT LTD, Chennai” from 01-07-2023 to 15-07-2023.
- 1.K. Muneeshbabu II year Mechanical & A R Vikram, V. Ajith Kumar, K.T Athish Yuvaraj, S. Balaji. K. Hariharan, C.S.K Nataraja III year Mechanical underwent two week Internship at “GANES Metplast PVT LTD, Chennai” from 04-07-2023 to 20-07-2023





INPLANT TRAINING ATTENDED BY STUDENT



- P.Hariharan III year Mechanical underwent two week Internship at “Sri Shanmugavel Mills PVT LTD, Thadicombu” from 10-07-2023 to 25-07-2023
- M. Manojkumar III year Mechanical underwent two week Internship at “Tool Room Chennai” from 26-06-2023 to 10-07-2023
- J. Naveen Kumar III year Mechanical underwent two week Internship at “Sri Krishna Paper Cap Industries, Sivakasi” from 10-07-2023 to 25-07-2023
- T.Abimanyu, M. Anandharaman, A. Mohammed Usman, T. Vetrivelmani III year Mechanical underwent two week Internship at “PHOENIX SOFTECH, Madurai” from 03-07-2023 to 19-07-2023
- N. Sanjay, P.Satheeskumar, G.Satheshkumar, S. Veerakumar III year Mechanical underwent two week Internship at “Web Walk Infosys, Maduarai” from 03-07-2023 to 19-07-2023
- M. Jeyaprakash, M. Muthaiya, P. Nishanth, P.Prem Kumar, M.Raj Kumar, S.Seenivasan, V.Sethumadhavan, V.Shanmuga Selavam, M.Vimalkumar II year Mechanical underwent two week Internship at “HI-TECH CNC Automation, Coimbatore” between 24-06-2023 and 22-07-2023.
- A.Bhuvanesh, K.Hariharan, A.Isaacreinhard, R.Manmathan, M.Vairavan, P.Vishwanath II year Mechanical and G.Gokul III year Mechanical underwent two week Internship at “SUN V Technology, Coimbatore” between 05-07-2023 and 03-08-2023.
- M.Sibiraj, G.Yogesh Kannan, C.Tamilarasan II year Mechanical underwent one week Internship at ACN Auto Garage ., Madurai from 26/02/2024 to 01/03/2024
- C.Neethiselvan, K.Rahul, J.Rajesh Kumar II year Mechanical underwent one week Internship at Anamallais Toyota ., Madurai from 26/02/2024 to 02/03/2024
- S.Sugadeva, K.Suriya Prakash II year Mechanical underwent one week Internship at Anamallais Toyota ., virudhunagar from 23/02/2024 to 29/02/2024
- S.Ezhilarasan II year Mechanical underwent one week Internship at Aruthra Autos ., Madurai from 23/02/2024 to 01/03/2024



INPLANT TRAINING ATTENDED BY STUDENT

- S.Ragesh II year Mechanical underwent one week Internship at Azhagu Auto Service ., Tuticorin from 24/02/2024 to 02/03/2024
- P.Mareeswaran, Y.Mayalagu II year Mechanical underwent one week Internship at Chellsons Packaging Pvt Ltd ., Sivakasi from 23/02/2024 to 29/02/2024
- A. Bhuvanesh, A. Isaacreinhard, R. Manmathan, P. Vishwanath, III year Mechanical underwent one week Internship at Devendran Plastics Pvt. Ltd., Sivakasi from 06/01/2024 to 12/01/2024
- K.Guru Vignesh, S.Mohamed Ashif, S.Sakthivel II year Mechanical underwent one week Internship at Global Polymers Industries Pvt. Ltd., Virudhunagar from 23/02/2024 to 29/02/2024
- K. Hariharan, M. Jeyaprakash, M. Vairavan III year Mechanical underwent two week Internship at Global Polymers Industries Pvt. Ltd., Virudhunagar from 08/01/2024 to 17/01/2024
- G. Gurudev, K. Madhubala ,V. Naveenkumar, T. Prakash, M. Vishnu, B. Ram Laxmana Prasad III year Mechanical underwent two week Internship at Hero MJ Motors, Thiruthangal from 09/01/2024 to 18/01/2024
- R.Sridharraj II year Mechanical underwent one week Internship at Ishana Honda., Tenkasi from 26/02/2024 to 01/03/2024
- P. Anbuselvan, S. Hariharan,M. Manojkumar,K. Sujitha, C. Sam Sila Mercury, R. Vikram, A. Bala Thulasi III year Mechanical underwent two week Internship at Jesus Machinaries, Virudhunagar from 04/01/2024 to 27/01/2024
- M.Yuvaraj II year Mechanical underwent one week Internship at Leo Motors ., Sivakasi from 20/02/2024 to 29/02/2024
- S. Kajendhran, S. Seenivasan, S. Sethuraj III year Mechanical underwent one week Internship at Maruthi Suzuki Arena, Sivakasi from 26/01/2024 to 01/02/2024
- K.Ramki, R.Sundar II year Mechanical underwent one week Internship at MMA Motors ., Kovilpatti from 26/02/2024 to 04/03/2024

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