

Om Sakthi

ADHIPARASAKTHI ENGINEERING COLLEGE

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai
Accredited by NAAC with 'A' grade
(An ISO 9001:2015 Certified institution)

Melmaruvathur- 603 319, Chengalpattu (D.T), Tamilnadu, India.
www. apec.edu.in

DEPARTMENT OF MECHANICAL ENGINEERING

NEWS LETTER

ACADEMIC YEAR: 2024-2025



APRIL-2025

DEPARTMENT OF MECHANICAL ENGINEERING

ABOUT THE DEPARTMENT



Dr. C. K. Dhinakar Raj

Head of Department

The department of Mechanical Engineering was established in the year of 1984 with an intake of 60 students in UG. In 2005 M.E – Thermal Engineering Course was started with an intake of 18 and Research centre was approved by Anna University, Chennai in the year 2011. The Department is NBA accredited in the year 2004, 2009 and 2013. The department is equipped with fully established laboratories such as CAD/CAM Laboratory, Metrology & Measurements Laboratory, Mechatronics and IoT Laboratory, Dynamics Laboratory, Welding Laboratory, Steam Laboratory, Heat & Mass Transfer Laboratory, Automobile Laboratory, Heat Engines Laboratory, Smithy & Foundry Laboratory and Machine Shop Laboratory. The Association of Mechanical Engineers is regularly organizing seminars, Guest lectures and Industrial Visits for the benefit of student community. Our Department has been a member of reputed societies such as Society of Automotive Engineers (SAE), Indian Society of Mechanical Engineers (ISME), The Institution of Engineers, India (IEI) and Indian Society for Technical Education (ISTE) etc.,

Vision of the Department

- **The Department of Mechanical Engineering of Adhiparasakthi Engineering College strives hard to produce globally competitive Mechanical Engineers with good attitude to serve the changing needs of the society.**

Mission of the Department

- **Imbibing the skill of innovative teaching and learning process to assure transfer of fundamental knowledge.**
- **Continuous improvement in developing the competency among the students to succeed in solving the contemporary engineering challenges through value based education.**
- **Developing the leadership skills through team work.**

Courses Offered

- **B.E. - Mechanical Engineering**
- **M.E. - Thermal Engineering**
- **PhD - Mechanical Engineering**



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Detail Report

S.No	Title	Total Numbers
1.	Guest Lectures	10
2.	Alumni Interaction	04
3.	On The Faculty Front Publication In National / International Conference / Journals	07
4.	Participation In The Faculty Development Program	21
5.	Participation In The Workshop /Seminar /Conference	34
6.	Publication of Books	02
7.	NPTEL Online Certification	04
8.	On The Students Front Students Participation In Technical Seminar / Workshops Conference / Quiz	03
9.	Paper Presentation / Competition	01
10.	Industrial Visit	03
11.	Value Added Program	11
12.	Naan Mudhalvan Training Program	05
	Total Numbers	105

GUEST LECTURES

- **Mr.P.Baskar Sethupathi,** An Introduction about Society of Automotive Engineer delivered a SAE Lecture on Second year ,Third year and Final year, 27th SEP 2024,Chennai.

- **Mr.M.Naveenrajan,** Mechanical, Design engineer, APHVAC, Chennai delivered a HVAC Lecture on Second year,18th FEB 2025, Chennai.

- **Mr.A.Balaji and Ms.B. Sivakamasunthari**, Automation engineers delivered a Lecture on Robotics and IoT & Smart Devices to Final year, 24th FEB 2025

- **Mr.N.Ramkumar,** delivered a Lecture on Machine component Load analysis using ANSYS to Final year, 28th Feb 2025.

- **Mr.P.Sivakumar,** Director of Shriram SOLAR, Pudhucherry delivered a Lecture on Recent trends in grid connected renewable energy systems to Final year, 21st Mar 2025.

- **Mr.Senthamil.** delivered a Lecture on communication skills for interview to second year, 02nd Sep 2024.

- **Mr. Shri Bharath** had delivered a Basics of FREE CAD to third year mechanical students on 21th Aug 2024.

- **Mr.N.Ramkumar,** delivered a Lecture on Future trends in design engineering using ANSYS to Final year, 26th Feb 2025.

- **Ms.B. Sivakami,** Automation engineer delivered a Lecture on Opportunities for Mechanical Engineers on IOT field to Final year students on, 14th Sep 2024.

- **Mr.N.Ramkumar,** delivered a Lecture on Modern design techniques for mechanical components to Final year, 13th Sep 2024.


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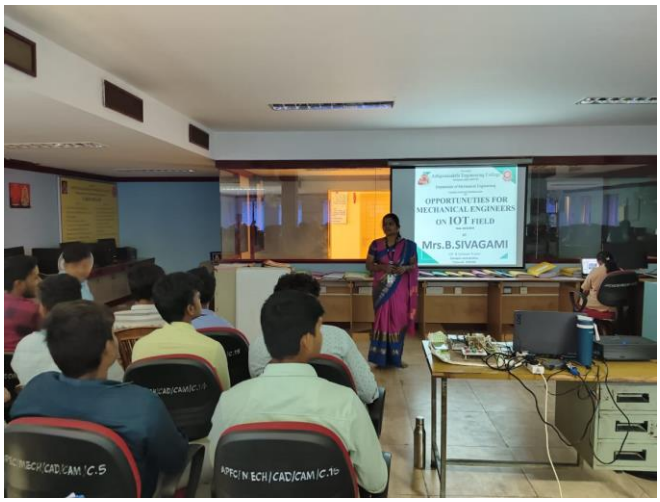

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Guest Lecture
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Adhiparasakthi Engineering College CRPC+MQ3, Melmaruvathur, Tamil Nadu 603319, India
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Lat 12.436567° Long 79.821988°
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OPPORTUNITIES FOR MECHANICAL ENGINEERS ON IOT FIELD
Mrs.B.SIVAGAMI


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Check In
Melmaruvathur, Tamil Nadu, India
CRMC+PF6, Adhiparasakthi Engineering College Melmaruvathur, Tamil Nadu 603319, India
Lat 12.427583°
Long 79.820329°
13/09/24 10:14 AM GMT +05:30
Google

ALUMNI INTERACTION

- **Mr.K.Hariharan** Assistant Engineer, Government of Tamil Nadu interacts with our Mechanical Engineering students about the Preparation about Government examination on 27th FEBRUARY 2025.
- **Mr.S.Kayasil** Safety Engineer, Mechanical Engineering students about the Preparation about Job Opportunity on 11th APRIL 2025.
- **Mr.V.Barath Kumar,** Mechanical Engineering students about the Preparation about Current trend in Industry on 11th APRIL 2025.
- **Mr.M.Suryaprakash,** Mechanical Engineering students about the Preparation about Current trend in Designing Software on 26th FEBRUARY 2025.









ON THE FACULTY FRONT
PUBLICATION IN NATIONAL / INTERNATIONAL CONFERENCE / JOURNALS

- **Dr. C.K. Dhinakarraj and Dr.G.perumal, Dr.P.Chandramohan, Dr.D.Srinivasan, Dr.A.Rajaraman** Published a paper titled "**Drilling Response Optimization of Hybrid bamboo-Sisal-E-Glass Fiber Composites Reinforced with $A1_2O_3$ Nano filler**" Journal of Environmental Nanotechnology, 2024.

- **Dr.N.Senthilkumar, Dr.B.Deepanraj, Dr.C. K. Dhinakarraj, Dr.Yuvaperiyasamy** Published a paper titled "**Characterization Studies on Vetiveria Zizanioides Natural Fiber and Graphene Filler Reinforced Nano Polymer Composite Material**"Journal of Environmental Nanotechnology, 2024.

- **Dr.C. K. Dhinakarraj, Mr.N. Senthilkumar, Mr.K. Palanikumar, Mr B. Deepanraj** Published a paper titled "**Machinability evaluation of magnesium composite using response surface methodology and nature-inspired metaheuristic algorithms**" The International Journal on Interactive Design and Manufacturing (IJIDEM).,2024.

- **Dr.C.K. Dhinakarraj, Dr.G. Perumal, Dr.N. Senthilkumar, Dr.B. Deepanraj** Published a paper titled "**Exploring the morphologies and corrosion performances of AZ31 alloy composites reinforced with silicon nitride**" Results in Surfaces and Interfaces, 2024.

- **Dr.G.Perumal, Dr.P.Vasanthkumar, Dr.C.K.Dhinakarraj, Dr.D.Srinivasan, Dr.S.Kavitha**, Published a paper titled "**Microstructure and mechanical characterization of weldments of titanium alloy plates joined using different welding techniques**" Interactions Springer International Publishing , 2024.

- **Dr.M.Vivekanandhan, Dr.S.Gowtham, Dr.V. Senthil, Dr.C. Dhanesh,** Published a paper titled "**Enhancing the Surface Quality and Tool Life Using Nano MQL-assisted Machining Characteristics of Aluminium Composite**" Journal of Environmental Nanotechnology,2025.

- **Dr.M Vivekanandhan, Dr.K Rajmohan and Dr.C.Senthilkumar,** Published a paper titled **"Experimental Investigations on Electric Discharge Machining characteristics of AA8081-10.% wt SiCp and 5%wt B_4Cp using Response Surface Methodology and Artificial Neural Network**" International Journal of Precision Engineering and Manufacturing, 2025.

PARTICIPATION IN THE FACULTY DEVELOPMENT PROGRAM

- **Dr.C.K.Dhinakarraj** attended six days Faculty Development Programme on "**Recent Trends in AI empowered 3D Bio Printing Technologies towards fabrication of smarter Bio Medical implants**" at S.A.Engineering College, Chennai from 10th to 15th Feb 2025. **(ATAL FDP)**

- **Dr.C.K.Dhinakarraj**, attended six days Faculty Development Programme on "**Modern Trends in Manufacturing Process**" at Easwari Engineering College, Chennai from 5th to 15th Aug 2025.

- **Dr.C.K.Dhinakarraj**, attended six Month Faculty Development Programme on "**Introduction to composites**" at **NPTEL** from June to Dec-2024.

- **Dr.M.Vivekanandhan,** attended six days Faculty Development Programme on "**Recent Trends in AI empowered 3D Bio Printing Technologies towards fabrication of smarter Bio Medical implants**" at S.A.Engineering College, Chennai from 10th to 15th Feb 2025. **(ATAL FDP)**

- **Dr.M.Vivekanandhan,** attended six days Faculty Development Programme on "**Harnessing Digital Twin Technologies to Industry 4.0 / 5.0 for Sustainable Green Manufacturing at** KIT-Kalaignar karunanidhi Institute of Technology from 16/12/2024 to 21/12/2024. **(ATAL FDP)**

- **Dr.M.Vivekanandhan,** attended six Month Faculty Development Programme on "**Introduction to composites**" at **NPTEL** from June to Dec-2024.

- **Dr Vivekanandhan Mohan**, attended Six days Faculty Development Programme on **"Program on Additive Manufacturing Advancements in Different Applications**

(AMADA-24)" organized by the Department of Mechanical Engineering, SRM Institute of Science and Technology, Ramapuram Campus, during 21st to 26th October 2024.

- **Dr.Vivekanandhan Mohan** attended Six days Faculty Development Programme on **"Advances in Engineering and Technology" organized by Department of Mechanical Engineering,** VACOE, Ahilyanagar, from 10th February to 14th February 2025.
- **Dr.Vivekanandhan Mohan** attended Six days Faculty Development Programme on **"Progress in Mechanical Engineering" by Department of Mechanical Engineering,** SRM Institute of Science and Technology, Ramapuram Campus Chennai-89, during 14th to 19th October 2024.

- **Mr. K.Dhadapani** attended Six days Faculty Development Programme on "**Recent Trends in AI empowered 3D Bio Printing Technologies towards fabrication of smarter Bio Medical implants"** at S.A.Engineering College, Chennai from 10th to 15th Feb 2025. **(ATAL FDP)**

- **Mr. K.Dhandapani** attended Six days Faculty Development Programme on "**Product Conceptualization and Prototyping**" at Easwari Engineering College, Chennai from 10th to 16th Feb 2025.

- **Mr. K.Dhadapani**, attended Six days Faculty Development Programme on "**Modern Trends in Manufacturing Process**" at Easwari Engineering College, Chennai from 5th to 10th Aug 2025.

- **Mr. K.Dhandapani** attended Six days Faculty Development Programme on "**Exploring New Frontiers in Teaching Tools, AI and Data Analytics**" at Easwari Engineering College, Chennai from 29th July to 2nd August 2025,

- **Mr. K.Dhandapani** attended Six days Faculty Development Programme on "**IoT Security**" at Easwari Engineering College, Chennai from 5th to 9th Aug 2025.

- **Mr.R.Sathish Babu,** attended Six days Faculty Development Programme on "**PRO-E (CREO DESIGN**)" at Easwari Engineering College, Chennai from 10th to 16th Aug 2025.

- **Mr.R.Sathish Babu** attended six Month Faculty Development Programme on "**Fundamentals of composite and cellular materials**" at **NPTEL** from June to Dec-2024.

- **Mr.K.B.Yogeshwaran** attended Six days Faculty Development Programme on "**Modern Trends in Manufacturing Process**" at Easwari Engineering College, Chennai from 5th to 10th Aug 2024.

- **Mr.K.B.Yogeshwaran** attended Six days Faculty Development Programme on "**Exploring New Frontiers in Teaching Tools, AI and Data Analytics**" at Easwari Engineering College, Chennai from 29th July to 2nd August 2025,

- **Mr.K.B.Yogeshwaran,** attended Six days Faculty Development Programme on "**IoT Security"** at Easwari Engineering College, Chennai from 5th to 9th Aug 2024.

- **Mr.R.Parthiban** attended Six days Faculty Development Programme on "**Modern Trends in Manufacturing Process"** at Easwari Engineering College, Chennai from 5th to 10th Aug 2024.

- **Mr.C.Manigandan** attended Six days Faculty Development Programme on "**Exploring New Frontiers in Teaching Tools, AI and Data Analytics**" at Easwari Engineering College, Chennai from 29th July to 2nd August 2025,

PARTICIPATION IN THE WORKSHOP /SEMINAR /CONFERENCE

- **Dr.C.K.Dhinakarraj,** attended one day workshop on "**Research and Intellectual Property Rights**" at Adhiparasakthi Engineering College, Melmaruvathur on 12th March 2025.

- **Dr.C.K.Dhinakarraj,** attended International Conference on "**Modeling And Prediction of Material Removal Rate and Tool Wear Rate in Electro Discharge Machining Process of Metal Matrix Composites**" at International Conference on Emerging Trends in Science, Engineering and Technology-2025, Thiruvalluvar College of Engineering and Technology, Vandavasi on 26th and 27th Jan 2025.

- **Dr.C.K.Dhinakarraj,** attended International Conference on "**Thermal Analysis of Magnesium Metal Matrix Composites Using Ansys**" at International Conference on Emerging Trends in Science, Engineering and Technology-2025, Thiruvalluvar College of Engineering and Technology, Vandavasi on 26th and 27th Jan 2025.

- **Dr.C.K.Dhinakarraj,** attended International Conference on "**Electrical Discharge Machining Of Aluminum Alloy 8081: A Study Based On Back Propagation in Neural Network and Dimensional Analysis**" at National Conference on "Emerging Trends & Technologies in Electrical and Electronics Engineering" (NCETEEE-2025), at Adhiparasakthi Engineering College, Melmaruvathur on 12 April 2025, ISBN NO: 978-93-342-6976-5

- **Dr.C.K.Dhinakarraj,** attended International Conference on "**Optimization Of EDM Parameters Of SiCp Reinforced 8081 Aluminum Composite Using RSM Approach**" at International Conference on Advanced Materials for Sustainable Development (ICAMSD-2025), at Karpaga Vinayaga College Of Engineering And Technology on 25th and 26th April 2025, ISBN NO: 978-93-342-7596-4

- **Dr.M.Vivekanandhan,** attended one day workshop on "**Research and Intellectual Property Rights"** at Adhiparasakthi Engineering College, Melmaruvathur on 12th March 2025.

- **Dr.M.Vivekanandhan,** attended one day workshop on "I**P Awareness/Training program"** at **National Intellectual Property awareness** Mission organized by Intellectual Property office India on January 3rd 2025.

- **Dr.M.Vivekanandhan,** attended International Conference on "**Modeling And Prediction of Material Removal Rate and Tool Wear Rate in Electro Discharge Machining Process of Metal Matrix Composites**" at International Conference on Emerging Trends in Science, Engineering and Technology-2025, Thiruvalluvar College of Engineering and Technology, Vandavasi on 26th and 27th Jan 2025.

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- **Dr.M.Vivekanandhan,** attended one day workshop on "**The potential impacts of internet of things AI and Machine Learning on workplace"** at V.R.S College of Engineering and Technology, Villupuram on 22nd NOV 2024.

- **Dr.M.Vivekanandhan,** attended one day workshop on "**NSS Orientation Program and PFMS Training**" at MIT campus Anna university on 18th DEC 2024.

- **Dr.M.Vivekanandhan,** attended International Conference on "**Electrical Discharge Machining Of Aluminum Alloy 8081: A Study Based On Back Propagation in Neural Network and Dimensional Analysis**" at National Conference on "Emerging Trends & Technologies in Electrical and Electronics Engineering" (NCETEEE-2025), at

Adhiparasakthi Engineering College, Melmaruvathur on 12th April 2025, ISBN NO: 978-93-342-6976-5

- **Dr.M.Vivekanandhan,** attended International Conference on "**Modeling of ECM process parameters on composites**" at National Conference on "Emerging Trends & Technologies in Electrical and Electronics Engineering" (NCETEEE-2025), at Adhiparasakthi Engineering College, Melmaruvathur on 12th April 2025,
ISBN NO: 978-93-342-6976-5

- **Dr.M.Vivekanandhan,** attended International Conference on "**Studies on Electrical Discharge Machining of Ultrasonication Assisted Stir-casted AA8081-SiC-Gr Hybrid Composites and Prediction using RSM and ANN Technique**" at National Conference on "Emerging Trends & Technologies in Electrical and Electronics Engineering" (NCETEEE-2025), at Adhiparasakthi Engineering College, Melmaruvathur on 12th April 2025, ISBN NO: 978-93-342-6976-5

- **Dr.M.Vivekanandhan,** attended International Conference on "**A Review: Aluminium Metal Matrix Composites**" at National Conference on "Emerging Trends & Technologies in Electrical and Electronics Engineering" (NCETEEE-2025), at Adhiparasakthi Engineering College, Melmaruvathur on 12th April 2025,
ISBN NO: 978-93-342-6976-5

- **Dr.M.Vivekanandhan,** attended International Conference on "**Optimization Of EDM Parameters Of SiCp Reinforced 8081 Aluminum Composite Using RSM Approach**" at International Conference on Advanced Materials for Sustainable Development (ICAMSD-2025), at Karpaga Vinayaga College Of Engineering And Technology on 25th and 26th April 2025, ISBN NO: 978-93-342-7596-4

- **Dr.M.Vivekanandhan,** attended International Conference on "**Evaluation Of Silk Based Human Hair Reinforced Composites In Engineering Applications**" at International Conference on Advanced Materials for Sustainable Development (ICAMSD-

2025), at Karpaga Vinayaga College Of Engineering And Technology on 25th and 26th April 2025, ISBN NO: 978-93-342-7596-4

- **Mr.R.Sathish Babu,** attended one day workshop on "**Research and Intellectual Property Rights**" at Adhiparasakthi Engineering College, Melmaruvathur on 12th March 2025.

- **Mr.R.Sathish Babu,** attended International Conference on "**Modeling And Prediction of Material Removal Rate and Tool Wear Rate in Electro Discharge Machining Process of Metal Matrix Composites**" at International Conference on Emerging Trends in Science, Engineering and Technology-2025, Thiruvalluvar College of Engineering and Technology, Vandavasi on 26th and 27th Jan 2025.

- **Mr.R.Sathish Babu,** attended International Conference on "**Thermal Analysis of Magnesium Metal Matrix Composites Using Ansys**" at International Conference on Emerging Trends in Science, Engineering and Technology-2025, Thiruvalluvar College of Engineering and Technology, Vandavasi on 26th and 27th Jan 2025.

- **Mr.R.Sathish Babu,** attended one day workshop on "**The potential impacts of internet of things AI and Machine Learning on workplace"** at V.R.S College of Engineering and Technology, Villupuram on 22nd NOV 2024.

- **Mr.R.Sathish Babu,** attended International Conference on "**Electrical Discharge Machining Of Aluminum Alloy 8081: A Study Based On Back Propagation in Neural Network and Dimensional Analysis**" at National Conference on "Emerging Trends & Technologies in Electrical and Electronics Engineering" (NCETEEE-2025), at Adhiparasakthi Engineering College, Melmaruvathur on 12th April 2025.

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- **Mr.R.Parthiban,** attended one day workshop on "**Research and Intellectual Property Rights**" at Adhiparasakthi Engineering College, Melmaruvathur on 12th March 2025.

- **Mr.K.B.Yogeshwaran,** attended one day workshop on "**Research and Intellectual Property Rights**" at Adhiparasakthi Engineering College, Melmaruvathur on 12th March 2025.

- **Mr.K.B.Yogeshwaran,** attended International Conference on "**Evaluation Of Silk Based Human Hair Reinforced Composites In Engineering Applications**" at International Conference on Advanced Materials for Sustainable Development (ICAMSD-2025), at Karpaga Vinayaga College Of Engineering And Technology on 25th and 26th April 2025, ISBN NO: 978-93-342-7596-4

- **Mr.R.Sathish Babu,,** attended one day workshop on "**National Level Two days Hands on Training on Structural (Rietveld Refinement) and Micro structural (HRTEM and SAED) analysis**" at Saveetha University on 28th and 29th March 2025.

- **Mr.K.Dhandapani,** attended International Conference on "**Modeling of ECM process parameters on composites**" at National Conference on "Emerging Trends & Technologies in Electrical and Electronics Engineering" (NCETEEE-2025), at Adhiparasakthi Engineering College, Melmaruvathur on 12 April 2025,
ISBN NO: 978-93-342-6976-5.

- **Mr.K.Dhandapani,** attended International Conference on "**Evaluation Of Silk Based Human Hair Reinforced Composites In Engineering Applications**" at International Conference on Advanced Materials for Sustainable Development (ICAMSD-2025), at Karpaga Vinayaga College Of Engineering And Technology on 25th and 26th April 2025, ISBN NO: 978-93-342-7596-4

- **Mr.T.Balasubramanaiyasaravanan,** attended International Conference on "**Modeling of ECM process parameters on composites**" at National Conference on "Emerging Trends & Technologies in Electrical and Electronics Engineering" (NCETEEE-2025), at Adhiparasakthi Engineering College, Melmaruvathur on 12 April 2025, ISBN NO: 978-93-342-6976-5

- **Mr.K.B.Yogeshwaran,** attended International Conference on "**Studies on Electrical Discharge Machining of Ultrasonication Assisted Stir-casted AA8081-SiC-Gr Hybrid Composites and Prediction using RSM and ANN Technique**" at National Conference on "Emerging Trends & Technologies in Electrical and Electronics Engineering" (NCETEEE-2025), at Adhiparasakthi Engineering College, Melmaruvathur on 12 April 2025, ISBN NO: 978-93-342-6976-5

- **Mr. R.Parthiban** attended International Conference on "**Studies on Electrical Discharge Machining of Ultrasonication Assisted Stir-casted AA8081-SiC-Gr Hybrid Composites and Prediction using RSM and ANN Technique**" at National Conference on "Emerging Trends & Technologies in Electrical and Electronics Engineering" (NCETEEE-2025), at Adhiparasakthi Engineering College, Melmaruvathur on 12 April 2025, ISBN NO: 978-93-342-6976-5

- **Mr. S. Mohan** attended International Conference on "**A Review: Aluminium Metal Matrix Composites**" at National Conference on "Emerging Trends & Technologies in Electrical and Electronics Engineering" (NCETEEE-2025), at Adhiparasakthi Engineering College, Melmaruvathur on 12 April 2025, ISBN NO: 978-93-342-6976-5

- **Dr. K. Gajalakshmi** attended International Conference on "**A Review: Aluminium Metal Matrix Composites**" at National Conference on "Emerging Trends & Technologies in Electrical and Electronics Engineering" (NCETEEE-2025), at Adhiparasakthi Engineering College, Melmaruvathur on 12 April 2025, ISBN NO: 978-93-342-6976-5.

PUBLICATION OF BOOKS

- **Dr. M.Vivekanandhan,** Assistant Professor, Department of Mechanical Engineering has coauthored a book titled "**Computer Integrated Manufacturing**" published by ARS Publications Chennai, on July 2024.

- **Dr. M.Vivekanandhan,** Assistant Professor, Department of Mechanical Engineering has coauthored a book titled "**Industrial Management**" published by ARS Publications Chennai, on March 2025.

NPTEL ONLINE CERTIFICATION

S. No	Title of the course	Name of the Faculty	Department	Score
1.	Introduction to composites	Dr.C. K. Dhinakar Raj	Mech	59%
2.	NBA Accreditation and Teaching learning in Engineering (NATE)	Dr.C. K. Dhinakar Raj	Mech	57%
3.	Introduction to composites	Dr.M.Vivekanandhan	Mech	55%
4.	Fundamentals of composite and cellular materials	Mr.R.Sathish Babu	Mech	56%



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ON THE STUDENTS FRONT
STUDENTS PARTICIPATION IN TECHNICAL SEMINAR / WORKSHOPS CONFERENCE / QUIZ

- **Mr.M.Balaguru,Mr.K.Badhrinath,Mr.G.Kishore,Mr.T.Kaviyarasan, Mr.S.Manoj, Ms.R.Sowmiya** of II year Mechanical attended Three Days Workshop on "**A Comprehensive NDT Workshop On Defect Detection And Evaluation In Materials**" organized at SATHYABAMA UNIVERSITY, Chennai, on 18th to 20th march 2025

- **Mr.M.Selvaragul,Mr.A.Sathyaagathiyan,Mr.B.Dhanush,Mr.A.Arunkumar Mr.K.Udhyavan, Mr.E.Iyyanar** of III year Mechanical attended Three Days Workshop on "**A Comprehensive NDT Workshop On Defect Detection And Evaluation In Materials**" organized at SATHYABAMA UNIVERSITY, Chennai, on 18th to 20th march 2025

- **Mr.D.Gowtham, Mr.S.Madhesh, Mr.B.Charukesh, Mr.P.Naveenraj,** has participated in the "**National Seminar on Artificial Intelligence Empowering the Future of IoT Towards the 6G Era for Next-Generation Smart Grids"** held on 8th & 9th of April, 2025 at Karpaga Vinayaga College of Engineering and Technology





PAPER PRESENTATION / COMPETITION

Mr.V.Arulselvan, and Mr.M.Sathish, of II Year MECHANICAL Participated and "**POSTER DESINGNING"** organized by Department of Computer Science and Engineering, Adhiparasakthi Engineering College, Melmaruvathur in association with Computer Society of India -Kancheepuram Chapter on 22nd February 2025.

INDUSTRIAL VSIT

- The Second, Third and Final Year Mechanical Engineering Students visited Affinity Power Private Limited, Melmaruvathur and, "**Manufacture and Generating Sets and Control Panels**", curricular activities on 23rd September 2024.

- The Second and Third Year Mechanical Engineering Students visited Nuclear Plants and Affiliated Research Installation, Kalpakkam-Edaiyur and , "**Power plant**", curricular activities on 28th March 2025.

- Third year and Final Year Mechanical Engineering Students visited and , Thermal Power Station,Neyveli and "**Lignite(Brown coal) and Mining**" curricular activities on 28th March 2025.









VALUE ADDED PROGRAM

S.No	Year/SEM	Topic	Details of Agency	No of the Participating Students	Duration
1.	II year/III	Free CAD	Campus Connection	19	16th to 20th Aug 2024
2.	II year/III	Soft skills Training	Campus Connection	19	22nd to 26th Aug 2024
3.	III year/V	CATIA	Campus Connection	26	2nd to 6th Sep 2024
4.	III year/V	ANSYS	Campus Connection	26	9th to 13th Sep 2025
5.	IV year/VII	Smart Devices	Campus Connection	28	2nd to 6th Sep 2024
6.	IV year/VII	Microprocessor and Microcontrollers	Campus Connection	28	9th to 13th Sep 2025
7.	II year/IV	HVAC	Campus Connection	16	18th to 24th Feb 2025
8.	II year/IV	Solid works	Campus Connection	16	28th Feb to 6th Mar 2025
9.	III year/VI	CNC Programming and Simulation	Campus Connection	27	18th to 22nd Feb 2025
10.	III year/VI	Thermal Analysis Using ANSYS	Campus Connection	27	18th to 28th Feb 2025
11.	IV year/VIII	Robotics and IOT	Campus Connection	28	11th to 24th Feb 2025

NAAN MUDHALVAN TRAINING PROGRAM

S.No	Year/SEM	Course Name	Training Partner
1.	II/III	Microsoft Digital skills	MICROSOFT
2.	III/V	EBPL(prompt engineering,desing thinking,software for product, and VLSI)	HCL
3.	IV/VII	Mobile Robotics Development	ZEEKERS
4.	II/IV	CREO Parametric (Computer-Aided Design)	Creo
5.	IIII/VI	Product Conceptualization and Prototyping	ZEEKERS