

Dr. MAHALINGAM



COLLEGE OF ENGINEERING AND TECHNOLOGY

Enlightening Technical Minds

Dr. MAHALINGAM

COLLEGE OF ENGINEERING AND TECHNOLOGY

An Autonomous
Institution

Affiliated to Anna University, Chennai. Approved by AICTE.
Accredited by NBA and NAAC with Grade A

Udumalai Road, Pollachi - 642 003. Tamilnadu.

Department of
Mechanical Engineering

NEWSLETTER

2021-22

VOLUME - I

EDITORIAL BOARD

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Department of Mechanical Engineering

VISION AND MISSION OF THE DEPARTMENT

Vision

To transform students from rural background into professional leaders of tomorrow in the field of Mechanical Engineering with a strong sense of social commitment.

Mission

- To impart quality – engineering education leading to specialization in the emerging areas of CAD/CAM/CAE, Energy Engineering and Materials Technology.
- To provide continually updated and intellectually stimulating environment to pursue research and consultancy activities.

Programme: B.E. Mechanical Engineering

Programme Educational Objectives (PEOs) - Regulation 2019

B.E. Mechanical Engineering graduates will:

PEO1. Technical Expertise: Actively apply technical and professional skills in engineering practices towards the progress of the organization or the entrepreneurial venture in competitive and dynamic environment.

PEO2. Lifelong Learning: Own their professional and personal development by continuous learning and apply the learning at work to create new knowledge.

PEO3. Ethical Knowledge: Conduct themselves in a responsible, professional and ethical manner supporting sustainable economic development which enhances the quality of life.

Program Outcomes (POs) - Regulations 2019

On successful completion of B.E. Mechanical Engineering program, graduating students/graduates will be able to:

PO1. Apply knowledge of basic sciences and engineering concepts to solve complex mechanical engineering problems.

PO2. Identify, formulate, and analyze engineering problems using scientific principles and concepts.

PO3. Design products, manufacturing processes and facilities that deliver the requirements of the target customers and desired quality functions.

PO4. Conduct experiments, analyze and interpret data to provide solutions for engineering problems.

PO5. Use appropriate tools and techniques to solve engineering problems.

PO6. Apply contextual knowledge to make informed decisions in societal, health, safety, legal, entrepreneurial and cultural issues.

PO7. Demonstrate the knowledge of need for sustainable development in providing engineering solutions in global, environmental and societal contexts.

PO8. Practice Ethical responsibility.

PO9. Work effectively in teams and build/manage interpersonal relationships.

PO10. Communicate effectively through oral, non-verbal and written means.

PO11. Apply management principles to manage individual and team work for executing projects in a multidisciplinary environment.

PO12. Articulate and engage in pursuit of career and life goals through continuous Learning.

Program Specific Outcomes (PSOs) - Regulations 2019

On successful completion of B.E. Mechanical Engineering program graduating students/graduates will be able to:

PSO 1: Demonstrate functional competencies for roles in design, manufacturing and service by learning through centers of excellence and industrial exposure.

PSO 2: Demonstrate behavioral competencies required for roles in design, manufacturing and service by learning through structured professional skills training.

**Continuing Education Programs / Faculty Development Programmes /
Conferences / Seminars / Workshops/ Short Term Training Courses etc.
organized at Mechanical Department**

Name of the Coordinator(s) with Designation	Title	Conducted at (Venue)	Sponsored by	No. of Participants attended	Date(s)
Dr.I.Rajendran Sr. Professor	3D Printing and Design	MS Teams	AICTE – ATAL	140	06.07.2021 to 10.07.2021
Dr.D.Nathan Associate Professor	Building an Innovation/Product fit for market	MS Teams	IIC, MCET	40	16.07.2021
Dr. R.Gnanaguru, Associate Professor and Mr. M.Saravanakumar Centre Manager - CAD/CAE Centres	Future of Making Things with Autodesk Fusion 360	MS Teams	Department of Mechanical Engineering, MCET	76	30.07.2021
Dr.Gnanaguru, ASP Dr S Ayyapan, ASP	5th Industry Conclave	MS Teams	Core Depts and IQAC	130	07-08-2021
Dr. D.Nathan, Asso. Prof./Mech & Mr. M.Saravanakumar Centre Manager - CAD/CAE Centres	CassiniPLM "Product Lifecycle Management" - Industry 4.0 and Digital Transformation	MS Teams	Department of Mechanical Engineering, MCET	84	21-08-2021 from 02:00 PM to 04:00 PM
Mr. Gideon Ganesh, Asst Prof	PhD Seminar	Mech Conference Hall	Department of Mechanical Engineering, MCET	23	23-08-2021
Mr. Sreejith S Nair, Asst Prof				23	19-08-2021
Mr. GuruPranesh, Asst Prof				23	19-08-2021
Dr.D.Nathan, Asso Prof	Orientation on Entrepreneurship support by CIBIE	Online	CIBIE, MCET	25	03-09-2021
Dr.I Rajendran Senior Prof and Head	Equip Yourself- 6th Industry Conclave	Online	CPG, MCET	126	04-09-2021
Dr.R.Gnanaguru Asso Prof					
Dr. S.Ayyapan Asso. Prof					
Dr.N.Vinayaga Muruga Pandy, AP	Spoken Tutorial Courses Introduction	Conference Hall	MCET	10	28-09-2021

Participation in Seminar / Conference / Workshop / Training etc. by Mechanical Department Faculty

Name of the Faculty with Designation	Details of Program	Place of Program	Date
Dr.Rama Thirumurugan, Professor	ATAL FDP on 3D Printing & Design	Department of Mechanical Engineering, MCET	06.07.2021 - 10.07.2021
	Future of Making Things with Autodesk Fusion 360	Department of Mechanical Engineering, MCET	30.07.2021
	Building an Innovation/Product fit for market	Department of Mechanical Engineering, MCET	16.07.2021
Dr.S.Ayyappan, Associate Professor	ATAL FDP on 3D printing and Design	Online (MCET)	6.7.2021 - 10.7.2021
Dr.D.Nathan Associate Professor	ATAL FDP on 3D Printing & Design	Department of Mechanical Engineering, MCET	06.07.2021 - 10.07.2021
	Future of Making Things with Autodesk Fusion 360	Department of Mechanical Engineering, MCET	30.07.2021
	Building an Innovation/Product fit for market	Department of Mechanical Engineering, MCET	16.07.2021
Dr.N.Vinayaga Muruga Pandey Assistant Professor	ATAL FDP on 3D Printing & Design	Department of Mechanical Engineering, MCET	06.07.2021 - 10.07.2021
	Future of Making Things with Autodesk Fusion 360	Department of Mechanical Engineering, MCET	30.07.2021
	Telematic - Industry Conclave	Department of Mechanical and Automobile Engineering, MCET	03.07.2021
	ATAL FDP on Data Analytics and Machine Learning Using Python	Rajiv Gandhi Technological University	12-07-2021 to 16-07-2021
Mr.K.Soundararajan Assistant Professor	Webinar on 3D printing: Defence and Aerospace Applications	Vignan's University	02.07.2021
	Telematic - Industry Conclave	Department of Mechanical and Automobile Engineering, MCET	03.07.2021
	ATAL FDP on 3D Printing & Design	Department of Mechanical Engineering, MCET	06.07.2021 - 10.07.2021
	Two days webinar series on Color Theory and painting process in Automotive Industry	SRM Institute of Science and Technology	16.07.2021 - 17.07.2021
	Technical Web Lecture - "Environmentally benign solvents for sustainable future"	SRM Institute of science and technology	24.07.2021
	Current trends in robotics Industry scenario during and post pandemic time	Hindustan Educational and Charitable Trust	30.07.2021
	Future of making Things with Autodesk Fusion	Department of Mechanical Engineering, MCET	30.07.2021
Mr. M.Saravanakumar Centre Manager - CAD/CAE Centres	Building an Innovation/Product fit for market	Department of Mechanical Engineering, MCET (MS Teams)	16.07.2021
	ATAL FDP on 3D printing and Design	Department of Mechanical Engineering, MCET (MS Teams)	06.07.2021 - 10.07.2021

Mr. V. Deepak Assistant Professor	ATAL FDP on 3D Printing and Design	Department of Mechanical Engineering, MCET	06.07.2021 - 10.07.2021
	FDP on Innovation, Incubation, Startups & Research Challenges in India	SRM Institute of Science and Technology, Chennai.	28.06.2021 - 02.07.2021
	FDP on Fuel powered, Hybrid Electric and Modern Vehicles	Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology, Hyderabad.	19.07.2021 - 24.07.2021
	One day International FDP on Research Methodologies – Application of Statistical Tools for Decision Making	MarudharKesari Jain College for Women, Vaniyambadi.	12.07.2021
	FDP on Integration of Multiple Intelligences in Education	Indian Teacher's Association	05.07.2021 - 09.07.2021
	FDP on Recent Trends in Applications of Mathematics (RTAM)	ChandalawadaRamanamma Engineering College, Tirupati.	12.07.2021 - 17.07.2021
	STTP on Technology Enablers for Smart Manufacturing using Industry 4.0	NITTE Meenakshi Institute of Technology, Bangalore.	12.07.2021 - 16.07.2021
	FDP on Recent Trends in the Industrial Engineering and Management	Department of Mechanical Engineering, GMR institute of Technology, Andhra Pradesh.	26 .07.2021 - 30 .07.2021
	STTP on Innovations and Challenges in Industry 4.0 Automation and Smart Manufacturing	KallamHaranadhareddy Institute of Technology, Andhra Pradesh.	26.07.2021 - 31.07.2021
	FDTP on Engineering Thermodynamics	Knowledge Institute of Technology, Salem.	12.07.2021 - 17.07.2021
	A Series of expert talks on Capacity Building & Training in Bridges	CVR College of Engineering, Telegana.	24.07.2021 - 29.07.2021
	Webinar on 3D Printing : Defence and Aerospace Applications	VFSTR, Andhra Pradesh.	02.07.2021
	Webinar on Introduction to Patents and Patent Filing Procedure in India	AnnamacharyaInstitute of Technology & Sciences, Rajampet.	09.07.2021
	STTP on Recent Trends in Renewable Energy Sources and Applications	Rajiv Gandhi Institute of Technology, Mumbai.	05.07.2021 - 10.07.2021
	E-Workshop on Emerging Manufacturing Technologies and Strategies (EMTS-2021)	Birsa Institute of Technology, Sindri.	05.07.2021 - 09.07.2021
	Webinar on Electric Vehicles (Automotive Trends in Transformation from ICE Car towards Electrical)	BIT, Sindri.	16.07.2021
	Webinar on Introduction to PCR and its Applications in Diagnostics	Guru Nanak College, Chennai.	23.07.2021
	Webinar on Motivation for Inventions and Funding Opportunities for Inventors	Annamacharya Institute of Technology & Sciences, Rajampet.	24.07.2021
	Webinar on Dietary Management During Covid	Nehru Institute of Engineering & Technology, Coimbatore.	26.07.2021
	Webinar on Concepts of Fast Breeder Reactors	Nehru Institute of Engineering & Technology, Coimbatore.	28.07.2021
Webinar on Advancements in EV	Hindustan Institute of Technology	13.07.2021	

	technology and Path Forward	and Science, Chennai.	
	Webinar on Role of Skills in Our Dream, Deeds and Destination	Rajiv Gandhi Institute of Technology, Mumbai.	15.07.2021
Mr. S.V. Gurupranes Assistant Professor	ATAL FDP on 3D Printing & Design	Department of Mechanical Engineering, MCET	06.07.2021 - 10.07.2021
	FDP on Recent Trends in the Industrial Engineering and Management	Department of Mechanical Engineering, GMR institute of Technology	26 .07.2021 - 30 .07.2021
	Webinar on Current Trends in robotics – Industry scenario during and post pandemic time	Department of Mechatronics Engineering	30.07.2021
	FDP on Fuel powered, Hybrid Electric and Modern Vehicles	Department of Automobile Engineering, VNRVJIET, Hyderabad.	19.07.2021 - 24.07.2021
Mr.N.Santhosh Assistant Professor	ATAL FDP on 3D Printing & Design	Department of Mechanical Engineering, MCET	06.07.2021 - 10.07.2021
	Future of Making Things with Autodesk Fusion 360	Department of Mechanical Engineering, MCET	30.07.2021
	Building an Innovation/Product fit for market	Department of Mechanical Engineering, MCET	16.07.2021
	FDP on Fuel powered, Hybrid Electric and Modern Vehicles	Department of Automobile Engineering, VNRVJIET, Hyderabad	19.07.2021 - 24.07.2021
Mr. K. Sasikumar Assistant Professor	ATAL FDP on 3D Printing & Design	Department of Mechanical Engineering, MCET	06.07.2021 - 10.07.2021
	FDP on Recent Trends in the Industrial Engineering and Management	Department of Mechanical Engineering, GMR institute of Technology	26 .07.2021 - 30 .07.2021
	Webinar on Current Trends in robotics – Industry scenario during and post pandemic time	Department of Mechatronics Engineering	30.07.2021
	FDP on Fuel powered, Hybrid Electric and Modern Vehicles	Department of Automobile Engineering, VNRVJIET, Hyderabad	19.07.2021 - 24.07.2021
Mr. M.Padmanaban Assistant Professor	ATAL FDP on 3D Printing & Design	Department of Mechanical Engineering, MCET	06.07.2021 - 10.07.2021
	Webinar on Current Trends in robotics – Industry scenario during and post pandemic time	Department of Mechatronics Engineering	30.07.2021
Mr.S.Naveen Kumar	ATAL FDP on 3D Printing & Design	Department of Mechanical Engineering, MCET	06.07.2021 - 10.07.2021
	FDP on Recent Trends in the Industrial Engineering and Management	Department of Mechanical Engineering, GMR institute of Technology	26 .07.2021 - 30 .07.2021

Assistant Professor			
	Webinar on Current Trends in robotics – Industry scenario during and post pandemic time	Department of Mechatronics Engineering	30.07.2021
	FDP on Fuel powered, Hybrid Electric and Modern Vehicles	Department of Automobile Engineering, VNRVJMET, Hyderabad	19.07.2021 - 24.07.2021
Mr. Karthikeyan.T Assistant Professor	ATAL FDP on 3D Printing & Design	Department of Mechanical Engineering, MCET	06.07.2021 - 10.07.2021
	FDP on Recent Trends in the Industrial Engineering and Management	Department of Mechanical Engineering, GMR institute of Technology	26 .07.2021 - 30 .07.2021
	Webinar on Current Trends in robotics – Industry scenario during and post pandemic time	Department of Mechatronics Engineering	30.07.2021
	FDP on Fuel powered, Hybrid Electric and Modern Vehicles	Department of Automobile Engineering, VNRVJMET, Hyderabad	19.07.2021 - 24.07.2021
Mr. Karthik.M Assistant Professor	ATAL FDP on 3D Printing & Design	Department of Mechanical Engineering, MCET	06.07.2021 - 10.07.2021
	FDP on Fuel powered, Hybrid Electric and Modern Vehicles	Department of Automobile Engineering, VNRVJMET, Hyderabad	19.07.2021 - 24.07.2021
	Building an Innovation/Product fit for market	Department of Mechanical Engineering, MCET (MS Teams)	16.07.2021
	Advancements in EV Technology and Path Forward	Department of Electrical and Electronics Engineering, Hindustan Institute of Technology and Science, Chennai	13.07.2021
Mr.M.Gideon Ganesh Assistant Professor	Innovation Ambassador training (Advanced level)	MoE's Innovation Cell & AICTE	30 th June to 30 th July 2021
	ATAL - Non Destructive Testing and Evaluation	National Institute of Technology, Srinagar.	26.7.2021 to 30.7.2021
Mr. K.Prabu Assistant Professor	Building an Innovation/Product fit for market.	Department of Mechanical Engineering, MCET.	16.07.2021
Mr. Gnanakumar Assistant Professor	ATAL FDP on 3D Printing & Design	Department of Mechanical Engineering, MCET	06.07.2021 - 10.07.2021

Dr.S,Madhusudhanan Assistant Professor(SS)			
Mr. Neelavannan Assistant Professor			
Dr.T.Ramkumar Assistant Professor(SS)			
Dr.R.Gnanaguru Associate Professor			
Mr.Sreejith S.Nair Assistant Professor			
Mr.M.Arun Assistant Professor			
Mr.Vijaykannan Assistant Professor			
Mr.K.Prabu Assistant Professor	ATAL Online Elementary FDP on "Applications of Artificial Intelligence in Mechanical Engineering"	K.Ramakrishnan College Of Engineering, Trichy.	02.08.2021 to 06.08.2021
	Webinar on National Educational Policy 2020, Theme: Skill, Entrepreneurship Development and Employability: Challenges and Opportunities	IQAC,MCET	02.08.2021
	Webinar on National Educational Policy 2020, Theme: Skill, Entrepreneurship Development and Employability: Challenges and Opportunities	IQAC, MCET, Pollachi.	02.08.2021
	Webinar on Design Thinking for Introducing3-D Printing and Industry 4.0 Technologies in Sri Lanka	Indus University, Ahmedabad.	03.08.2021
	Webinar on Distributed Robotics Platform and Consensus	Bhubaneswar Institute of Technology, Odisha.	07.08.2021
	FDP on Recent Advancements in Computer Science and Technology	Chadalawada Ramanamma Engineering College, Tirupati.	02.08.2021 to 06.08.2021
	Workshop on Outcome Based Education & NBA Accreditation	Nehru institute of Engineering and Technology, Coimbatore.	12.08.2021 to 13.08.2021
	Workshop on Blockchain Technology and Applications	Manav Rachna University, Faridabad.	07.08.2021
	Webinar on Indian Economy and Banking at the Crossroads – Road	Kristu Jayanti College, Bengaluru	07.08.2021

Mr. V. Deepak Assistant Professor	map for the future		
	Webinar on Advanced Product Design & Development of Automotive Interior/Exterior Plastic Component Trims	Nehru institute of Engineering and Technology, Coimbatore.	19.08.2021
	FDP on Emerging Technologies in Automotive industry	Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology, Hyderabad.	16.08.2021 to 20.08.2021
	Webinar on Cutting Edge Technologies in Defence	Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology, Hyderabad.	21.08.2021
	STTP on Next Generation Wireless Technologies: 5G and beyond	Indo Global College of Engineering, Chandigarh.	16.08.2021 to 21.08.2021
	Webinar on Career in Armed Forces	Rajiv Gandhi Institute of Technology, Mumbai.	07.08.2021
Mr. T. Karthikeyan Assistant Professor	Webinar on National Educational Policy 2020, Theme: Skill, Entrepreneurship Development and Employability: Challenges and Opportunities	IQAC, MCET.	02.08.2021
	ATAL FDP on Artificial fuels for IC Engine	University College of Engineering, Vinobabhave University Hazaribag	02.08.2021 to 06.08.2021
Mr. S. Sasikumar Assistant Professor	Webinar on National Educational Policy 2020, Theme: Skill, Entrepreneurship Development and Employability: Challenges and Opportunities	IQAC, MCET.	02.08.2021
	FDP on "Industrial Automation using CNC and Intelligent Systems"	Manipal Institute of Technology, Manipal	16.08.2021 to 20.08.2021
	webinar on "Cutting edge technologies in defence"	VNRVJIET, Hyderabad	21.08.2021
Mr. S. Naveenkumar Assistant Professor	Webinar on National Educational Policy 2020, Theme: Skill, Entrepreneurship Development and Employability: Challenges and Opportunities	IQAC, MCET.	02.08.2021
	FDP on "Industrial Automation using CNC and Intelligent Systems"	Manipal Institute of Technology, Manipal	16.08.2021 to 20.08.2021

	webinar on "Cutting edge technologies in defence"	VNRVJIET, Hyderabad	21.08. 2021
Mr.N.Santhosh Assistant Professor	Webinar on National Educational Policy 2020, Theme: Skill, Entrepreneurship Development and Employability: Challenges and Opportunities	IQAC, MCET.	02.08.2021
	webinar on "Cutting edge technologies in defence"	VNRVJIET, Hyderabad	21.08.2021
Dr.S.Ayyappan, Associate Professor	Webinar on National Educational Policy 2020. Theme: Skill, Entrepreneurship Development and Employability: Challenges and Opportunities	IQAC-MCET	02.8.2021
Mr. M.Saravanakumar Centre Manager – CAD/CAE	Webinar on National Educational Policy 2020, Theme: Skill, Entrepreneurship Development and Employability: Challenges and Opportunities	IQAC, MCET.	02.08.2021
	5th Industry Conclave	CPG, MCET	07.08.2021
	Online webinar on EV Adoption in Commercial	Mechanical Department Association (Mechanica), MCET	14.08.2021
Dr.N.Vinayaga Muruga Pandya, Asst Prof	Webinar on National Educational Policy 2020, Theme: Skill, Entrepreneurship Development and Employability: Challenges and Opportunities	IQAC,MCET	02.08.2021
Mr.S V.Gurupranes, Assistant Professor	Webinar on National Educational Policy 2020, Theme: Skill, Entrepreneurship Development and Employability: Challenges and Opportunities	IQAC, MCET.	02.08.2021
	FDP on "Industrial Automation using CNC and Intelligent Systems"	Manipal Institute of Technology, Manipal	16.08.2021 to 20.08.2021
	Webinar on "Cutting edge technologies in defence"	VNRVJIET, Hyderabad	21.08.2021
Mr.S V.Gurupranes, Assistant Professor	ATAL –FDP – Processing of Novel Materials	IIT, Bhubaneshwar, Varanasi.	20.09.2021 to 24.09.2021.

Professional Society / Department Association / Guest Lectures organized:

Coordinator / Co-coordinator with Designation	Details of Program	Date
Dr.N.Vinayaga Muruga Pandey, Asst Prof, Mr.S.Gnanakumar, Asst Prof	Mechanica Association Inauguration and Webinar on "EV Adoption in commercial vehicles"	14.08.2021
Dr.N.Vinayaga Muruga Pandey, AP Mr.S.Gnanakumar, AP	Mechanica Association Webinar on Future Trends In Automotive Engineering and Technology	11-09-2021
Dr.N.Vinayaga Muruga Pandey, AP Mr.S.Gnanakumar, AP	Mechanica Association Interactive session on New Trends in Automotive sector and opportunities	18-09-2021

Paper Published in International Journals

Name of the Author(s) with Designation	Title of the Paper	Title of the Journal	Volume	No	Page(s) No	Date (When Published)
Dr.T. Ramkumar, Assistant Professor SS	Studies on mechanical property and wear behaviour of AA7075 hybrid composites prepared by a conventional casting method	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	-	-	095440892 11034939	July 2021
Dr.T. Ramkumar, Assistant Professor SS	Characterization of mechanical, electrical and thermal properties of Ag nanoparticle-reinforced Al6061 alloy	Journal of Thermal Analysis and Calorimetry	145	5	2335- 2342	2021
Dr. T. Ramkumar, Assistant Professor SS	Studies of kerf width and surface roughness using the response surface methodology in AA 4032-TiC composites	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	-	-	095440892 11041418	2021/9/17

Participation in Seminar / Conference / Workshop / Training etc. by the Students

S.No	Student's Name	Branch and Department	Details of Event	Organizer and Place of program	Date
1.	Pratheswaran	III Mech	Course on CATIA+ Solid works+Ansys	Harrison CADD	Feb 2021
2.	Pratheswaran	III Mech	Mater Diploma in Mechanical CADD	NSDC	Feb 2021 to Jul 2021
3.	Sunil K	III Mech	Applied Industrial IOT	L&T Edutech	Feb 2021 to May 2021
4.	Suryanarayanan	IV Mech B	E Leader Workshop	EDII-TN, AURCC	29-09-2021-01-10-2021
5.	IV year and II Year All students	Mech A & B	Webinar on AICTE Scholarship/Fellowship/Internship schemes	Online	16-09-2021
6.	III year All students	Mech A & B	NPTEL Exam	Renganathan College, Kovai	23-09-2021

Details of externally –funded / Sponsored Projects obtained

Name of the Coordinator(s)	Title of the Project	Funding Agency	Total Amount Sanctioned	Duration of the Project	Date of Funds Sanctioned
Dr.I.Rajendran Sr. Professor	ATAL FDP on 3D Printing and Design	AICTE ATAL	Rs. 93,000	1 week	02-07-2021

Consultancy

Name of the Faculty (s)	Designation	Title of the Consultancy Work	Name of the organization / Firm/ Company	Amount	Period of Consultancy	
					From	To
Dr.S, Madhusudhanan	AP(SS)	Static and Fatigue test for steering knuckle	SACL	1,53,483	1.7.2021	31.7.2021
Dr.T.Ramkumar	Asst Prof (SS)	L&T Advanced Module Development	L&T Coimbatore	Yet to inform	22.03.2021	Till date
Dr.N.Vinayaga Muruga Pandey	Asst Prof					
Mr.SK. Sasi Kumar	Asst Prof					
Mr.S.Naveen Kumar	Asst Prof					
Mr.V.Deepak	Asst Prof					
Mr.M.Karthik	Asst Prof					
MECH	Dr.S.Madhusudhanan	AP(SS)	1.YE3 Static test 2.Valvo bracket static test	SACL	22000	1.8.2021
MECH	Mr. M.Saravanakumar	Centre Manager – CAD/CAE Centres	NX CAD Essentials Training to L&T Apprentices	L&T Defence, Malumichampatti, Coimbatore.	40,000	24.08.2021
Dr.T.Ramkumar	Asst Prof (SS)	L&T Advanced Module Development	L&T Defence, Malumichampatti, Coimbatore	Yet to inform	22.03.2021	Yet to inform
Dr.N.Vinayaga Muruga Pandey	Asst Prof					
Mr.SK. Sasi Kumar	Asst Prof					
Mr.S.Naveen Kumar	Asst Prof					
Mr.V.Deepak	Asst Prof					
Mr.M.Karthik	Asst Prof					

Details of Research Activities / Paper Reviewed by the Faculty

Dept.	Faculty name with Designation	Details of Paper Reviewed / Activities	Month of Work
Mech	Dr. T. Ramkumar Assistant Professor SS	Mechanical characterization interpretation from microstructure and microhardness of ferrite - bainite dual phase steels	July 2021
Mech	Dr.Rama Thirumurugan	Effects of the gear structural parameters on unsteady-state temperature field of large transmission ratio gear/rack and tooth root thermal stress submitted to Applied Mathematical Modelling	July 2021
Mech	T. Ramkumar Assistant Professor SS	Experimental and Analytical Investigation of Developed Variant Process of Abrasive Flow Machining	Aug. 2021
Mech	Dr. T. Ramkumar Assistant Professor SS	An Experimental Study on Metakaolin and Silica Fume Doped Portland Cement-Based Mortars Using Silica Aerogel and Air-Entraining Admixture	Sep. 2021



Arutchelvar Dr. N. Mahalingam
Founder Chairman
SAKTHI GROUP

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Only Engineering college in Tamil Nadu to get the highest grade consecutively in Cycle 1 (2012) & Cycle 2 (2018)

Internal Quality Assurance Cell

Organises a Webinar on

National Educational Policy 2020

Theme: Skill, Entrepreneurship Development and Employability: Challenges and Opportunities



Prof. Dr. P. Kanagasabapathi

Member, Indian Council for Social Science Research, New Delhi

Date: 02.08.2021

Time: 12.00 Noon to 1.00pm

E - certificate will be provided to the participants

PATRON
Dr.A.Rathinavelu
PRINCIPAL
MCET

CONVENER
Dr.P.A.Periasamy
Asso.Prof/Chemistry
Coordinator & Head-IQAC
MCET

COORDINATORS
Mr.S.Krishnakumar, AP/Civil
Mr.V.Gurunathan, AP/ECE
MCET

Mechanica – Inauguration 2021-2022

Held on 14/08/2021

Inauguration of Department association – Mechanica 2021-2022

Topic : Webinar on
*EV ADOPTION IN
COMMERCIAL VEHICLES*

Arutheelvar Dr. N. Mahalingam
 Founder Chairman
 SAKETH GROUP
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MCEET
 MOUNTAIN COLLEGE OF ENGINEERING AND TECHNOLOGY
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GRADE**
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 Tamil Nadu to get the highest
 grade consecutively
 in Cycle 1 (2012) & Cycle 2 (2018)

DEPARTMENT OF MECHANICAL ENGINEERING
MECHANICA ASSOCIATION 2021-2022
INAUGURATION
 &
ORGANISES A WEBINAR ON
EV ADOPTION IN COMMERCIAL

Meeting Link : <https://bit.ly/37NAYHz> DATE : 14-08-2021
 TIME : 10:00 AM - 12:00 PM

CHIEF GUEST
**PREETHAM SRI
KRISHNA VIGNESH**
 Associate Editor, CV News.in
 Executive Director,
 Signature Gifts.

MCEET

PATRON **CONVENER** **COORDINATORS**
 Dr.A.Rathinavelu Dr.J.Rajendran Dr.VinayagaMuruga
PRINCIPAL **HOD** **Pandy N A.P**
MCEET **MCEET** **Mr.Gnanakumar S.A.P**

Webinar

Held on 11/09/2021

Topic : Webinar on
*Future Trends In
Automotive Engineering
and Technology*

Arutheelvar Dr. N. Mahalingam
 Founder Chairman
 SAKETH GROUP
2706
 COUNSELING CODE

MCEET
 MOUNTAIN COLLEGE OF ENGINEERING AND TECHNOLOGY
 PULIYANDI, COIMBATORE
24
 YEARS OF EXCELLENCE

**NAAC
A++
GRADE**
 Only Engineering college in
 Tamil Nadu to get the highest
 grade consecutively
 in Cycle 1 (2012) & Cycle 2 (2018)

DEPARTMENT OF MECHANICAL ENGINEERING
MECHANICA ASSOCIATION 2021-2022
ORGANISES A WEBINAR ON
**"Future Trends in Automotive
Engineering and Technology"**

**INSTITUTION'S
INNOVATION
COUNCIL**
 Ministry of Education, Government of India

Meeting link : <https://bit.ly/3hna35f>

DATE : 11-09-2021
 TIME : 02:00 - 03:30 PM

CHIEF GUEST
Mr. ASHOKKUMAR KALIMUTHU
 B.E Mechanical Engineering
 Alumni MCEET (2001-2005)
 Deputy Manager - CAE
 DEA-ID Crash Team Leader
 Renault global projects
 RNTBCL, Chennai.

MCEET

PATRON **CONVENER** **COORDINATORS**
 Dr.A.Rathinavelu Dr.J.Rajendran Dr.N.VinayagaMurugaPandyAP
PRINCIPAL **HOD** **Mr.S.Gnanakumar,AP**
MCEET **MCEET** **Mr.M.Saravanakumar**

Technical Talk

Held on 18/09/2021

Topic : Interactive Session on
*New Trends In Automotive
 Sector and Opportunities*



DR. MAHALINGAM
 COLLEGE OF ENGINEERING AND TECHNOLOGY
 MAHABALINGAM, TAMIL NADU - 605008

DEPARTMENT OF MECHANICAL ENGINEERING
**MECHANICA ASSOCIATION
 PRESENTS**

**INTERACTIVE SESSION
 ON NEW TRENDS
 IN AUTOMOTIVE
 SECTOR AND
 OPPORTUNITIES.**



NAME : Prakash Raja G
DESIGNATION : Testing and Validation Engineer
COMPANY : Daimler India commercial vehicle
DETAILS : Pvt Ltd, Chennai
ROLE : Performance and Emission
 validation for BS VI regulations.

DATE : 18 . 09 . 2021
TIME : 3:00 to 4:00PM

MEETING LINK: <https://bit.ly/3lx1BP4>

PATRON : Dr. A. Rathinavelu
CONVENER : Dr. I. Rajendran
CO-ORDINATORS : Dr. Rama Thirumurugan, Prof.
 Dr. N. Vinayaga Muruga Pandy, AP
 Mr. S. Gnanakumar, AP

mech@mechmail.com | [mechanica.mcet](https://www.facebook.com/mechanica.mcet) | [mechanica.mcet](https://www.instagram.com/mechanica.mcet)

Knowledge Sharing Session

Held on 23/11/2021

Topic : PNP E-Vehicles Team
*Indigenous Development of
 E-Bicycle*




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 MAHABALINGAM, TAMIL NADU - 605008

Department of Mechanical Engineering
**MECHANICA ASSOCIATION
 2021-2022**



Organises Knowledge sharing session on
Theme - Go green - Promote environment friendly mobility.

SAVE MONEY - FOSTERS HEALTH - SMOOTHES
 MOVEMENT - TRIGGERS JOY



Resource Persons :
 Pavithrankumar P
 Niranjana Murthy B V
 Prajwal K P

Date : 23-11-2021
Time : 3.30 - 4.15

Meeting link : <https://bit.ly/3xs9hq9>

PATRON
 Dr. A. RATHINAVELU
 PRINCIPAL - MCET

CONVENER
 Dr. I. Rajendran

COORDINATOR
 Dr. Rama Thirumurugan,
 Dr. N. Vinayaga Muruga
 Pandy,
 Mr. Gnanakumar

Technical Talk

Held on 02/12/2021

Topic :
Introduction to PLM



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Cycle 2 (2018-2023)
The Highest Grade

Department of Mechanical, Automobile, Mechatronics and
Production Engineering

Invited Talk by
Mr. Ananthakumar Mani
Vice President – PLM
Cappgemini Engineering India
Bangalore

MOET
COLLEGE OF ENGINEERING AND TECHNOLOGY
UDUMALAI ROAD, POLLACHI - 642003

Date: 02.12.2021
Time: 3.00 pm to 4.00 pm
Venue: CS Hall

Cappgemini



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DEPARTMENT OF MECHANICAL ENGINEERING
MECHANICA ASSOCIATION
2021-2022
In association with
INDIAN SOCIETY FOR TECHNICAL EDUCATION
MCET- ISTE Student's Chapter (TN 87)

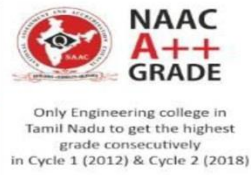
organises a webinar on
"Carrier opportunities in cappgemini"

 Resource Person:
Abinesh J
Programme Analyst,
Cappgemini.
MCET Alumni (2017-21 batch)

Date: 27-11-21
Time: 10:30AM – 11:30AM

Meeting link: <https://bit.ly/3r6YvUZ>

PATRON Dr.A.RATHINAVELU PRINCIPAL-MCET	CONVENER Dr.l Rajendran HOD	COORDINATOR Dr. Rama thirumurugan Dr. N Vinayaga Muruga pandy Mr. Gnanakumar
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Department of Mechanical Engineering



*We cordially invite Parents' of Final year
Mechanical Engineering students*

AGENDA

- Welcome address : Dr.Rama Thirumurugan, Professor / Mech.
- Purpose of meeting : Dr.I.Rajendran, HoD / Mech.
- Placement activities : Dr.R.Gnanaguru, ASP / Mech.
- Training activities : Dr.S.Madhusudhanan, ASP /Mech.
- Vote of thanks : Dr.S.Ayyppan, ASP / Mech.

MS Teams meeting link : <https://rb.gy/claftc>