

**Dr. MAHALINGAM**  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
Udumalai Road, Pollachi, Coimbatore District 642003

**Estd. 1998 | AICTE Approved | Affiliated to Anna University**

**An Autonomous Institution**



**NAAC A++ GRADE**  
Cycle 2 (2018-2023)  
The Highest Grade

# **MECHANICA**

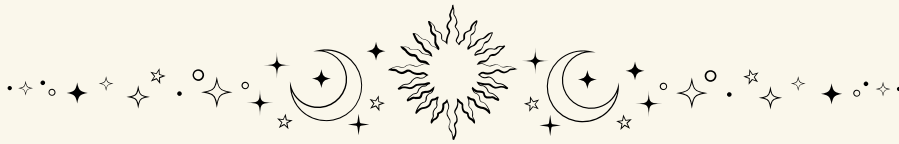
# **NEWSLETTER**

## **2023 - 2024 ODD**

**DEPARTMENT  
OF  
MECHANICAL  
ENGINEERING**



# EDITORIAL BOARD



## CHIEF PATRONS

**Mr.M.Harihara Sudhan**  
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**Principal**  
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**Head of the Department**



## FACULTY COORDINATORS

**Mr.S.GnanaKumar,AP/Mech,MCET**  
**Mr.K.Maniraj,AP/Mech.MCET**

## EDITORS

**SELVA NATHEYA. R [21BME027]**  
**A.J. SHARVESH [22BME041]**



## VISION AND MISSION OF THE DEPARTMENT

### VISION

To transform students from rural background into professional leaders of ton field of Mechanical Engineering with a strong sense of social commitment

### MISSION

To impart quality - engineering education leading to specialization in he 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.

### Program Educational Objectives (PEOs)

The graduates will :

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

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

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

### Program Outcomes [PO's]

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

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

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

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

**PO5. Use appropriate tools and techniques to solve engineering problem**

**PO6. Apply contextual knowledge to make informed decisions in societal, hea. 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**

**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.**





# INAUGURATION

**SEPTEMBER 11 2023**

On September 11th, 2023, the Mechanical Engineering Department inaugurated the Mechanica association. The event was honored by B.E., M.S. (IITM), founder & CEO of FEM Logic Technology and SKYRAPTOR India Pvt. Ltd., who inaugurated the association and delivered a technical presentation on CAE analysis in product validation.



# ALUMINI INTERACTION

**NOVEMBER 4 2023**

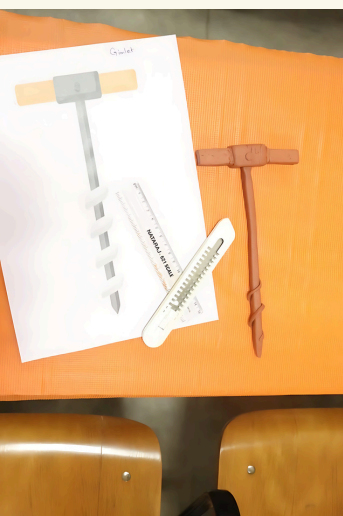
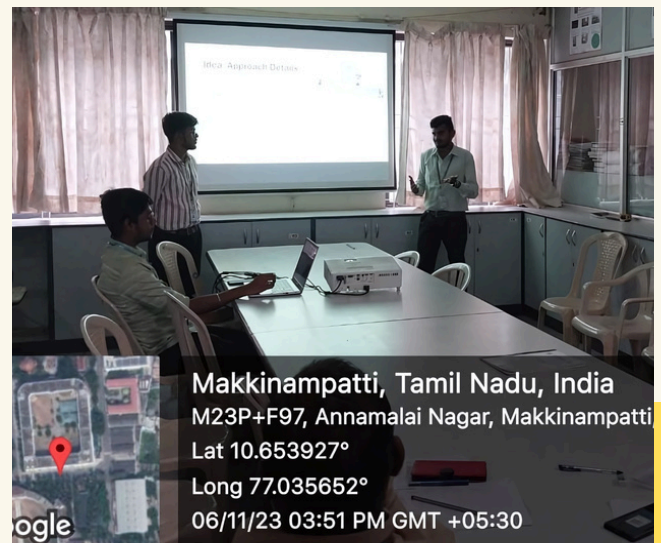
On November 4th, 2023, Mr. Prithviraj B, an alumnus of the 2013 batch, delivered an expert talk on Entrepreneurship and Innovation as a career opportunity, engaging with students. He enjoyed his time with the students and cherished the memories created during the interaction.



# TECHNOFESTS '23

## DAY-1: PAPER PRESENTATION

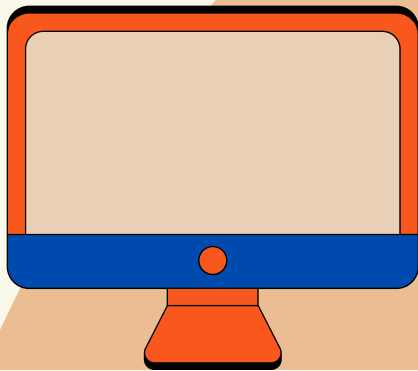
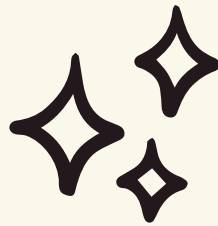
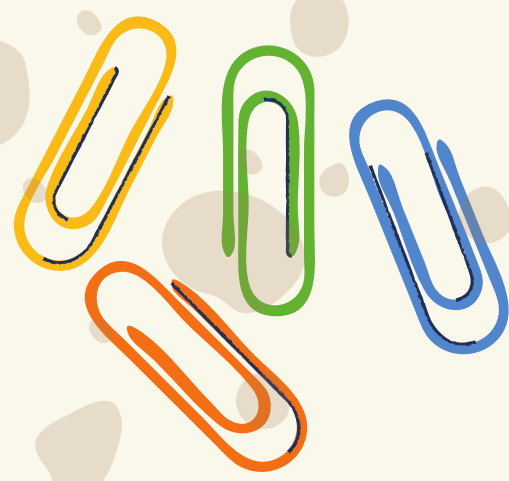
On November 6th, 2023, during the first day of the Technofete event, a paper presentation session was held. Numerous teams participated enthusiastically, presenting their work in front of the examiners.



## DAY-2: MECHMANIA

On November 7th, 2023, during the second day of the Technofete event, Mechanica organized non-technical events consisting of three rounds. Students from all years actively participated in the Mechmania event.

# STUDENT'S ACHIEVEMENTS & PARTICIPATION



# ACHIEVEMENTS



**MOET** **Dr. MAHALINGAM**  
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Department of Mechanical Engineering

**23 STUDENT ACHIEVEMENT SA-7**

**Congratulations!**

First Prize with a Cash Award in  
**CAD Modeling and Drafting using UG / NX**  
(National Level Technical Event)

**Mr. MANOJ N**  
**20BME001**

**NLCMD -2023**

Organized by  
SAEINDIA Southern Section, Chennai  
held on **07.10.2023 & 08.10.2023**

**Batch: 2020-2024 AY 2023-24 (ODD) 7**

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**24 STUDENT ACHIEVEMENT SA-8**

**Congratulations!**

First Prize with a Cash Award in  
**CAD Modeling and Drafting using UG / NX**  
(National Level Technical Event)

**Mr. NAVANEETHAN S**  
**20BME002**

**NLCMD -2023**

Organized by  
SAEINDIA Southern Section, Chennai  
held on **07.10.2023 & 08.10.2023**

**Batch: 2020-2024 AY 2023-24 (ODD) 8**

*Congratulations*

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**25 STUDENT ACHIEVEMENT SA-9**

**Congratulations!**

First Prize with a Cash Award in  
**CAD Modeling and Drafting using UG / NX**  
(National Level Technical Event)

**Mr. KIRISH S K**  
**20BME007**

**NLCMD -2023**

Organized by  
SAEINDIA Southern Section, Chennai  
held on **07.10.2023 & 08.10.2023**

**Batch: 2020-2024 AY 2023-24 (ODD) 9**

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**26 STUDENT ACHIEVEMENT SA-10**

**Congratulations!**

First Prize with a Cash Award in  
**CAD Modeling and Drafting using UG / NX**  
(National Level Technical Event)

**Mr. SANJAY K**  
**20BME023**

**NLCMD -2023**

Organized by  
SAEINDIA Southern Section, Chennai  
held on **07.10.2023 & 08.10.2023**

**Batch: 2020-2024 AY 2023-24 (ODD) 10**



# SRI RAMAKRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

## MEQUEST - NATIONAL LEVEL TECHNICAL SYMPOSIUM


### ACHIEVEMENTS

**MOET** **DR. MAHALINGAM**  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
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Department of Mechanical Engineering

19 **STUDENT ACHIEVEMENT** SA-3

**Congratulations!**



**1** First Prize in  
Paper Presentation  
Technical Event

For the Paper Titled:  
*"Design for drainage cleaning system"*

Ms. SELVA NATHEYA R  
727621BME027

**MEQUEST -2023**

Organized by  
Department of Mechanical Engineering  
Sri Ramakrishna Engineering College,  
Coimbatore  
held on 06.10.2023

Batch: 2021-2025 AY 2023-24 (ODD) 3

**MOET** **DR. MAHALINGAM**  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
Udumalai Road, Pollachi, Coimbatore District 642003  
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Department of Mechanical Engineering

20 **STUDENT ACHIEVEMENT** SA-4

**Congratulations!**



**2** Second Prize in  
3D Modeling  
Technical Event

Mr. SELVA BOOPATHY K  
727621BME031

**MEQUEST -2023**

Organized by  
Department of Mechanical Engineering  
Sri Ramakrishna Engineering College,  
Coimbatore  
held on 06.10.2023

Batch: 2021-2025 AY 2023-24 (ODD) 4

**MOET** **DR. MAHALINGAM**  
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Department of Mechanical Engineering

21 **STUDENT ACHIEVEMENT** SA-5

**Congratulations!**



**3** Third Prize in  
3D Modeling  
Technical Event

Mr. DHANUSU KUMAR M  
727621BME069

**MEQUEST -2023**

Organized by  
Department of Mechanical Engineering  
Sri Ramakrishna Engineering College,  
Coimbatore  
held on 06.10.2023


Batch: 2021-2025 AY 2023-24 (ODD) 5

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Department of Mechanical Engineering

22 **STUDENT ACHIEVEMENT** SA-6

**Congratulations!**



**3** Third Prize in  
CONNECTION  
Non - Technical Event

Ms. SWETHA K  
727622BME033

**MEQUEST -2023**

Organized by  
Department of Mechanical Engineering  
Sri Ramakrishna Engineering College,  
Coimbatore  
held on 06.10.2023

Batch: 2022-2026 AY 2023-24 (ODD) 6

*Congratulations*




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17 **STUDENT ACHIEVEMENT** SA-1

**Congratulations!**

Second Prize in  
Slogan Writing  
Non - Technical Event



Mr. NITHISH ADHITHYAA S  
20BME022



Organized by  
Indira Gandhi Centre for Atomic Research  
Kumaraguru College of Technology  
Coimbatore  
held on 07.08.2023 & 08.08.2023

Batch: 2020-2024 AY 2023-24 (ODD) 1

KUMARAGURU COLLEGE  
OF ENGINEERING AND  
TECHNOLOGY

SLOGAN WRITING

2ND PLACE

*Congrats!*

SRI KRISHNA COLLEGE  
OF ENGINEERING AND  
TECHNOLOGY

THOUGHT SLASH

1ST PLACE

*Congrats!*


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Department of Mechanical Engineering

18 **STUDENT ACHIEVEMENT** SA-2

**Congratulations!**

First Prize in  
Thought Stash  
Technical Event



Mr. RATHEESH M  
727622BME044



Organized by  
Department of Artificial Intelligence and  
Data Science  
Sri Krishna College of Engineering and  
Technology, Coimbatore  
held on 26.09.2023

Batch: 2022-2026 AY 2023-24 (ODD) 2



# KONGU COLLEGE OF ENGINEERING AND TECHNOLOGY

## MEQUEST-TECHNICAL SYMPOSIUM

### ACHIEVEMENTS

**MOET** **Dr. MAHALINGAM**  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
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Department of Mechanical Engineering

28 **STUDENT ACHIEVEMENT SA-12**

**Congratulations!**

Second Prize in  
**CAD Master**  
Technical Event



Mr. ANSON VIJAY R  
727622BME310



**MXCEL -2023**  
Organized by  
Department of Mechanical Engineering  
Kongu Engineering College, Erode  
held on 11.10.2023

Batch: 2021-2025 AY 2023-24 (ODD) 12

**MOET** **Dr. MAHALINGAM**  
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Department of Mechanical Engineering


29 **STUDENT ACHIEVEMENT SA-13**

**Congratulations!**

Third Prize in  
**CAD Master**  
Technical Event



Mr. ROHITH KUMAR S  
727622BME308



**MXCEL -2023**  
Organized by  
Department of Mechanical Engineering  
Kongu Engineering College, Erode  
held on 11.10.2023

Batch: 2021-2025 AY 2023-24 (ODD) 13

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Department of Mechanical Engineering

30 **STUDENT ACHIEVEMENT SA-14**

**Congratulations!**

First Prize in  
**Sneaking Suspicion**  
Non - Technical Event



Ms. SELVA NATHEYA R  
727621BME027



**MXCEL -2023**  
Organized by  
Department of Mechanical Engineering  
Kongu Engineering College, Erode  
held on 11.10.2023

Batch: 2021-2025 AY 2023-24 (ODD) 14

**MOET** **Dr. MAHALINGAM**  
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31 **STUDENT ACHIEVEMENT SA-15**

**Congratulations!**

First Prize in  
**Sneaking Suspicion**  
Non - Technical Event



Ms. PRAKASINI SV  
727621BME037



**MXCEL -2023**  
Organized by  
Department of Mechanical Engineering  
Kongu Engineering College, Erode  
held on 11.10.2023

Batch: 2021-2025 AY 2023-24 (ODD) 15

**CONGRATULATIONS**

Roll No	Name of the Students	Yr	Title of the Program	Nature of the Program	Event Venue
20BME006	KARTHIKEYAN M	IV	Ansys Workbench	Workshop	KPR Institute of Engineering and Technology
20BME008	BALAJI K	IV			
20BME010	SANNJAY SV	IV			
20BME018	BARATHVAJ	IV			
20BME020	HARISH KARTHIK	IV			
20BME049	GOWTHAM PRAKASH K	IV			
21BME312	KARTHIKEYAN S	IV			
21BME320	JEEVA V	IV			
21BME337	YASWANTH KUMAR S	IV			
21BME350	VEERAMANI S	IV			
21BME362	KAVINESH N	IV			



Roll No	Name of the Students	Yr	Title of the Program	Nature of the Program	Event Venue	P/A
727622BME044	RATHEESH M	II	Thought Slash	National Level Technical Symposium	Sri Krishna College of Engineering and Technology, Coimbatore	1st Prize

Roll No	Name of the Students	Yr	Title of the Program	Nature of the Program	Event Venue
727622BME014	KISHORE S	II	Drone Technology - UAV Design	Workshop	Sri Eshwar College of Engineering
727622BME022	SRIDHAR RAJ S	II			
727622BME042	GUNANIDHI P C	II			
727622BME064	KAVINKUMAR P	II			
727622BME088	BADRI V	II			



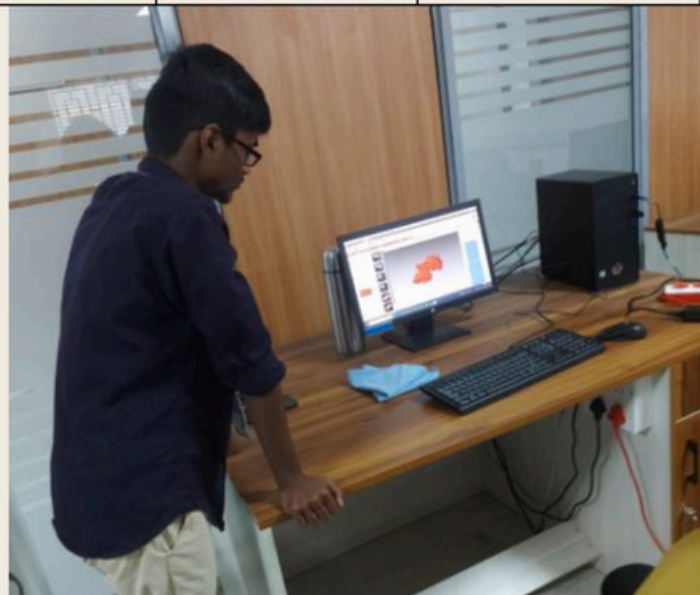
Roll No	Name of the Students	Yr	Title of the Program	Nature of the Program	Event Venue
727622BME043	PRAGADEESH P	II	Tech Events (Paper Presentation)	National Level Tech Fest	Anna University Regional Campus, Coimbatore



Roll No	Name of the Students	Yr	Title of the Program	Nature of the Program	Event Venue
727622BME002	HAVISH A	II	Robotics Process Automation	Workshop	SNS College of Engineering
727622BME074	CHANDRU M	II			
727622BME076	PRAVEEN A	II			
727622BME086	MANIDHAR S	II			



Roll No	Name of the Students	Yr	Title of the Program	Nature of the Program	Event Venue
20BME009	KRISHVARUN M	IV	Additive Manufacturing	Workshop	Sathyabama Institute of Science and Technology, Chennai
20BME029	SARAN M	IV			
20BME033	SRIDHARSHAN M	IV			
20BME049	GOWTHAM PRAKASH K	IV			



727621BME027	SELVA NATHEYA R	III	Sneaking Suspicion	National Level Technical Symposium	Kongu Engineering College, Erode	1st Prize
727621BME031	SELVA BOOPATHY K	III	CAD Master			1st prize
727621BME037	PRAKASINI S V	III	Sneaking Suspicion			1st Prize
727621BME043	GUGAN S R	III	Tech Events			P
727621BME069	DHANUSU KUMAR M	III	Tech Events			P
727622BME308	ROHITH KUMAR S	III	CAD Master			3rd prize
727622BME310	ANSON VIJAY R	III	CAD Master			2nd Prize
727622BME323	NAVEEN KUMAR K K	III	Tech Events			P
727622BME339	SRIRAM M	III	Tech Events			P
727622BME340	VIKRAMAN D	III	Tech Events			P
727622BME360	PRAVEEN KUMAR M	III	Tech Events			P
727622BME359	MANORANJAN M	III	Tech Events			P
727622BME362	NISHANTH N	III	Tech Events			P
727622BME366	NESHANTH P	III	Tech Events			P



727622BME308	ROHITH KUMAR S	III	3D Printing	National Level Workshop	Kongu Engineering College, Erode	P
727622BME310	ANSON VIJAY R	III				P
727622BME323	NAVEEN KUMAR K K	III				P
727622BME339	SRIRAM M	III				P
727622BME340	VIKRAMAN D	III				P
727622BME359	MANORANJAN M	III				P
727622BME360	PRAVEEN KUMAR M	III				P
727622BME362	NISHANTH N	III				P
727622BME366	NESHANTH P	III				P



Roll No	Name of the Students	Yr	Title of the Program	Nature of the Program	Event Venue
727622BME058	AJAYKUMAR P	II	Crime Quest	Technical Symposium	Sri Krishna College of Engineering and Technology, Coimbatore
727622BME078	GIFTSON SUSHIL KUMAR R	II			



Roll No	Name of the Students	Yr	Title of the Program	Nature of the Program	Event Venue
727622BME039	KARTHIK T	II	Data Analytics for IOT and Connected Vehicles	Workshop	PSG College of Technology, Coimbatore
727622BME041	SHARVESH AJ	II			
727622BME093	MAGUDEESWARAN S	II			



Roll No	Name of the Students	Yr	Title of the Program	Nature of the Program	Event Venue	P/A
727622BME024	MANJARIKA N	II	Tech Events (Paper Presentation, 3D Modeling, Connections, Non Technical Quiz, (Treasure Hunt)	National Level Technical Symposium	Sri Ramakrishna Engineering College	P
727622BME026	MOHAMMED AZARUDEEN J	II				P
727622BME033	SWETHA K	II				3rd place
727622BME053	PRAVEEN S	II				P
727622BME056	SIVAHARIRAJA S	II				P
727622BME072	MOHAMED FAZIL K	II				P
727622BME078	GIFTSON SUSHIL KUMAR R	II				P
727623BME302	ASHOK KUMAR A	II				P
727623BME318	BAVITHRAN K	II				P
727623BME322	CHANDRU S	II				P
727623BME334	KARTHICK S	II				P
727623BME338	VEERAHARIPRA DEEP K	II				P
727621BME027	SELVA NATHEYA R	III				1st place
727621BME031	SELVA BOOPATHY K	III				2nd place
727621BME033	KALIDAS B	III	P			
727621BME069	DHANUSU KUMAR M	III	3rd place			





Roll No	Name of the Students	Yr	Title of the Program	Nature of the Program	Event Venue
727622BME004	KOUSHIK RAGHAV S	II	Mini Bike Design and Fabrication Techniques	National Level Workshop	Karpagam College of Engineering
727622BME041	SHARVESH A J	II			
727622BME092	GOKUL SARAVANAN M	II			
727622BME040	PRAVINKUMAR A	II			
727622BME036	KAVINATH R	II			
727622BME054	SUVAN SURYA M	II			
727622BME043	PRAGADEESH P	II			
727622BME046	DEEN ANANTH M	II			



Roll No	Name of the Students	Yr	Title of the Program	Nature of the Program	Event Venue	P/ A		
727622BME044	RATHEESH M	II	Master the Machine - Hands on ML	National Level Workshop	Bannari Amman Institute of Technology	P		
727622BME058	AJAYKUMAR P	II						
727622BME060	PRAVIN KUMAR T	II						
727622BME044	RATHEESH M	II	Slide Fest & AI escape Room	Tech Symposium		Bannari Amman Institute of Technology		
727622BME060	PRAVIN KUMAR T	II						
727622BME060	PRAVIN KUMAR T	II	IPL AUCTION	Tech Symposium			Bannari Amman Institute of Technology	1st prize
727622BME058	AJAYKUMAR P	II						



Roll No	Name of the Students	Yr	Title of the Program	Nature of the Program	Event Venue	P/ A
20BME001	MANOJ N	IV	UG/NX CAD Modeling and Drafting	National Level Competition	SAE India, Sothern Section	1st Prize
20BME002	NAVANEETHAN S	IV				
20BME007	KIRISH S K	IV				
20BME023	SANJAY K	IV				



Roll No	Name of the Students	Yr	Title of the Program	Nature of the Program	Event Venue
727622BME309	RAJA SURIYA B	III	3D Printing	National Level Technical Symposium & Workshop	KPR Institute of Engineering and Technology
727622BME318	ABHINITH US	III			
727622BME358	BHARATHSANJAI K	III			



Roll No	Name of the Students	Yr	Title of the Program	Nature of the Program	Event Venue
727622BME006	HARI VIGNESH M K	II	Internship	National Level Tech Fest	Chakkappan Automobiles Pvt Ltd

S.NO	Event No	Roll Nos	Name	Year	Name of the Sports	Tournament Board	Held at	Date	P/A
1	1	21BME317	AATHIVARSHINI S	IV	Athletics - Hephthathlon	Anna university sports board Chennai - 600 025 (Zone Tournament)	Anna university sports board Chennai - 600 025	16.10.23 to 18.10.2023	1st
2					Athletics - 400 X 100 MTS Relay				2nd
3					Athletics - 100 MTS				2nd
4					Athletics - 400 X 400 MTS Relay				3rd
5	2	23BME338	VEERAHARIPRADEEP K	II	Kho - Kho	Anna university sports board Chennai - 600 025 (Zone -10)	Dr. Mahalingam College of Engineering and Technology	22.11.23 to 23.11.2023	2nd



# राष्ट्रीय कैडेट कोर NATIONAL CADET CORPS




## प्रमाण पत्र CERTIFICATE

This is to certify that No. TN22SDF962536 Rank F/C  
Name SHREE BHUVANESH.V Unit 2 (TN) AIR SQN, NCC, COIMBATORE  
NCC Directorate TAMIL NADU, PUDUCHERRY & ANDAMAN NICOBAR

वे 29 दिसम्बर 2023 से 28 जनवरी 2024 तक, नई दिल्ली में, वार्षिक रा. कै. को. गणतंत्र दिवस शिविर में, अपने रा. कै. को. विदेशालय का प्रतिनिधित्व किया।  
Represented his/her NCC Directorate, at the Annual NCC Republic Day Camp, held at New Delhi, from 29 December 2023 to 28 January 2024.

File No. : 17090/Cert/DGNCC/RDC-2024  
Cert No. : DGNCC/RDC2024/1572  
दिनांक : 28 जनवरी 2024  
Dated : 28 January 2024  
स्थान : नई दिल्ली  
Place : New Delhi

Signature valid  
Digitally signed by  
RANJEET NARAYAN  
2024.01.28 22:53 +05:30

रणजीत नारायण  
Ranjeet Narayan  
कर्नल/Colonel  
सचिव भार डी सी  
Secretary RDC

Signature valid  
Digitally signed by  
GURBIRPAL SINGH  
2024.01.28 22:52 +05:30

गुरबिरपाल सिंह  
Gurbirpal Singh  
लेफ्टिनेंट जनरल  
Lieutenant General  
महानिदेशक राष्ट्रीय कैडेट कोर  
Director General National Cadet Corps

**NATIONAL CADET CORPS**  
**NCC DIRECTORATE**  
**AT**  
**ANNUAL NCC REPUBLIC DAY CAMP**  
**HELD AT**  
**NEW DELHI**

Congrats!



# FACULTY ACHIEVEMENTS



# Congratulations

The certificate features the logos of MOET (Madras Open Educational Technology) and Dr. Mahalingam College of Engineering and Technology. It includes the text 'Department of Mechanical Engineering' and 'Faculties Achievement in NPTEL'. Two portraits are shown: Dr. Jayaraj M (AP(SG)\_MECH) and Mr. Dinesh Kumar J (AP\_MECH). Below each portrait are details of their NPTEL courses: 'Patent Drafting for Beginners' (Grade: Elite) and 'Manufacturing Processes - Casting and Joining' (Grade: Successfully Completed). The certificate also displays NPTEL Online Certification logos and the academic year 'AY: 2023-2024 (ODD)' with the period 'JUL - OCT - 2023'.

Department of Mechanical Engineering

Dr.M.Jayaraj completed Course  
on patent Drafting for  
Begginers with elite grade

Mr.j.dinesh kumar successfully  
completed course on  
Manufacturing  
Processes-Casting and joining

Dr.S.Ayyapan completed Course  
on Sustainable energy technology  
with elite+silver grade

Mr.S.GnanaKumar Completed  
Course on design ,technology  
and Innovation with elite grade

The certificate features the logos of MOET and Dr. Mahalingam College of Engineering and Technology. It includes the text 'Department of Mechanical Engineering' and 'Faculties Achievement in NPTEL'. Two portraits are shown: Dr. Ayyappan S (ASP\_MECH) and Mr. Gnanakumar S (AP\_MECH). Below each portrait are details of their NPTEL courses: 'Sustainable Energy Technology' (Grade: Elite + Silver (Topper 5%)) and 'Design, Technology and Innovation' (Grade: Elite). The certificate also displays NPTEL Online Certification logos and the academic year 'AY: 2023-2024 (ODD)' with the period 'JUL - OCT - 2023'.

Department of Mechanical Engineering



JOURNAL ARTICLE  
PUBLICATION

S.N O	Name of the department	Name & affiliation of the author	Title of the Paper	Name of the Journal	Name of the publisher	Month & Year of Publicatio n (MM/YYYY Y)	Indexing (Scopus/S CIE/QI/ UGC)	Impact Factor
1	Mechanical	Jayaraj Mahalingam, Sivakumar Rajendran, N Shanmugasun dram, Hariharan Kuppuswamy, Rama Thirumurugan	Investigation of acoustic, mechanical, thermal, and moisture properties of milled alkali- treated coconut tree secondary flower leaf stalk fiber-reinforced polymer composite,	Polymer Composites,	Wiley publication	19.12.2023	Q1	3.53
2	Mechanical	R Bharathiraja, T Ramkumar, M Selvakumar	Studies on the thermal characteristics of nano- enhanced paraffin wax phase change material (PCM) for thermal storage applications	Journal of Energy Storage	Elsevier	15/12/2023	Q1	8.90

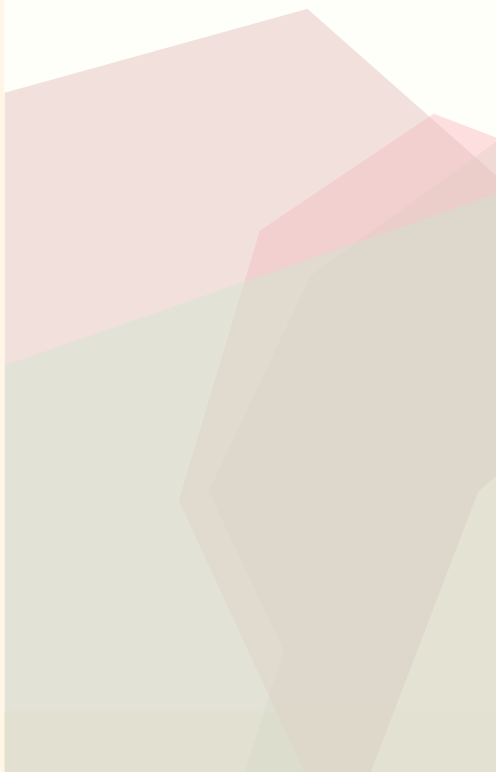


3	Mechanical	M Jayaraj, N Nagaprasad, Jule Leta Tesfaye, R Shanmugam, Ramaswamy Krishnaraj	dynamic mechanical characteristics of milled ramie root reinforced polyester composites	Scientific Report	Nature	October 2023	Q1	4.6
4	Mechanical	Sreejith S Nair, I Rajendran, T Ramkumar	Experimental Investigation of Corten Steel Using Cold Metal Transfer Welding	Journal of Materials Engineering and Performance	springer	14/11/2023	SCIE	2.036
5	Mechanical	T Ramkumar, D Nathan, M Selvakumar, V Vigneshkumar, P Narayanasamy	Printing High-Strength High-Elongation Al4043 Alloy Using UNS A94043 Welding Wires through Wire Arc Additive Manufacturing	Journal of Materials Engineering and Performance	springer	13/10/2023	SCIE	2.036
6	Mechanical	UV Akhil, N Radhika, T Ramkumar, Alokesh Pramanik	Effect of graphene on the tribological behaviour of Ti6Al6V2Sn/Gn composite produced via microwave sintering	International Journal of Lightweight Materials and Manufacture	Research gate	05/10/2023	Q1	5.59

7	Mechanical	P Narayanasamy, BK Parthipan, T Ramkumar, N Sivashanmugam	Experimental studies on automated DC pulsed MIG welding of Monel 400 sheets	Materials and Manufacturing Processes	Taylor&francis	23/07/2023	Q1	4.783
8	Mechanical	S. V. Gurupranes, I Rajendran, N. Shanmuga Sundaram	Suitability evaluation of Citrus limetta peel powder as a filler in fiber-reinforced plastics. Biomass Conv. Bioref.	Biomass Conversion and Biorefinery	springer	30/08/2023	SCIE	4.05
9	Mechanical	Kumar, SNS Santhosh, J. Venkatesh, V. Rahul, Bh Saroja Rani, K. Ramya Sree, V. R. Navaneeth, and S. Ram	Microstructure and fracture analysis on MIG welding of Nimonic alloy	Materials Today Proceedings	Science direct	19/08/2023	Scopus	2.59
10	Mechanical	D.Nathan, Thulasiram Ramkumar, M. Selvakumar	Experimental Investigati on the machining behaviour, surface integrity and tool wear analysis in environment friendly milling of Inconel 825	Archives of Metallurgy and Materials,	PAS Journal	22/08/2023	SCIE	0.633
11	Mechanical	Karthikeyan, Rajeswaren, Naveen Kumar and Sasikumar	Design of dedicated hydraulic power pack for wiper systems of sendzimir mil	Design of Dedicated Hydraulic Power Pack for Wiper System of Sendzimir Mill	14/11/2023	AIP Publishing	Scopus	AIP Conf. Proc

12	Mechanical	T. Varunkumara, M. Jayaraj b, R. Sivakumarc, N. Manikandana	Investigation of mechanical, thermal and water absorption behaviour of MWCNT's with AL <sub>2</sub> O <sub>3</sub> reinforced polymer composite, Dig. J. Nanomater. Bios. Vol 18, pp. 951-959	Digest Journal of Nanomaterials and Biostructures	Volume 18, Number 3, July - September 2023	07/08/2023	SCIE	0.9
13	Mechanical	Mahalingam, Jayaraj., Thirumurugan, R., Dharmalingam, S. Vijayakkanna.K	Effect of alkali treatment on novel natural fiber extracted from palmyra palm primary flower leaf stalk for polymer composite applications	Biomass Conversion and Biorefinery	springer	28.7.2023	SCIE	4.05
14	Mechanical	Mahalingam, Jayaraj., Thirumurugan, R., Dharmalingam, S.	Effect of alkali treatment on properties of Palmyra palm tree primary flower leaf stalk fiber-reinforced polymer composites	Biomass Conversion and Biorefinery	springer	19.8.2023	SCIE	4.05
15	Mechanical	Mahalingam, Jayaraj., Thirumurugan, R., Dharmalingam, S.	Effect of alkali treatment on properties of Palmyra palm tree primary flower leaf stalk fiber-reinforced polymer composites	Biomass Conversion and Biorefinery	springer	19.8.2023	SCIE	4.05

# FACULTY DEVELOPMENT PROGRAMMES



S. N O	Name	Designation	Title of the Program	Date	Nature of the program	Venue
1	Dr.S.Ayyappan	Associate Professor	Bridge 2023 - Coimbatore (A High Impact Industry-Institute Interaction Event of India)	07.09.2023	ICT Bridge	Le Méridien, Coimbatore
2	Dr.S.Ayyappan	Associate Professor	Sustainable Energy Technology	July to oct 2023	FDP	NPTEL
3	Dr.S.Ayyappan	Associate Professor	Sustainable Energy Technology	July to oct 2023	Online course	NPTEL
4	Dr.Nathan D	Associate Professor	IIC Reginal Meet	04.12.2023	Workshop	Nehru Institute of Technology
5	Dr.K.Hariharan	Assistant Professor (SG)	Intellectual Property Rights: Convert Ideas to Patent - A Hands on FDP	04.08.2023 to 08.08.2023	FDP	KCG College of Technology
6	Dr.N.Shanmugasundaram	Assistant Professor (SG)	Advancement in Materials Processing Technology(AMP T)-2023	13.07.2023 & 14.07.2023	International Conference	National Institute of Technology, Jamshedpur
7	Dr.M.Jayaraj	Assistant Professor (SS)	Advancement in Materials Processing Technology(AMP T)-2023	13.07.2023 & 14.07.2023	International Conference	National Institute of Technology, Jamshedpur
8	Dr.M.Jayaraj	Assistant Professor (SS)	Patent Drafting for Beginners	July to Aug 2023	Online Course	NPTEL

9	Dr.M.Jayaraj	Assistant Professor (SS)	Patent Drafting for Beginners	July to Aug 2023	FDP	NPTEL
10	Mr.M.Padmanaban	Assistant Professor (SS)	Advancement in Materials Processing Technology(AMPT)-2023	13.07.2023 & 14.07.2023	International Conference	National Institute of Technology, Jamshedpur
11	Mr.K.Vijayakkannan	Assistant Professor (SS)	Advancement in Materials Processing Technology(AMPT)-2023	13.07.2023 & 14.07.2023	International Conference	National Institute of Technology, Jamshedpur
12	Mr.K.Vijayakkannan	Assistant Professor (SS)	Patent Prosecution & Work Process	24.07.2023 & 25.07.2023	Workshop	Dr.Mahalingam College of Engineering and Technology
13	Mr.S.Gnanakumar	Assistant Professor	Design, Technology And Innovation	July to Sep 2023	Online Course	NPTEL
14	Mr.S.Gnanakumar	Assistant Professor	Design, Technology And Innovation	July to Sep 2023	FDP	NPTEL
15	Mr.SV.Guruprernes	Assistant Professor	Advancement in Materials Processing Technology(AMPT)-2023	13.07.2023 & 14.07.2023	International Conference	National Institute of Technology, Jamshedpur
16	Mr.J.Dineshkumar	Assistant Professor	Optimization Techniques and its Applications for Research Perspective	13.09.2023 to 17.09.2023	FDP	Scientific Research Reports, Chennai

16	Mr.J.Dineshkumar	Assistant Professor	Optimization Techniques and its Applications for Research Perspective	13.09.2023 to 17.09.2023	FDP	Scientific Research Reports, Chennai
17	Mr.J.Dineshkumar	Assistant Professor	Manufacturing Processes - Casting and Joining	July to Aug 2023	Online Course	NPTEL
18	Mr.J.Dinesh kumar	Assistant Professor	AI Tools for Streamlining Academic Research and Paper Writing	05 to 09.12.2023	FDP	Scientific Research Report, Chennai
19	Mr.J.Venkatesh	Assistant Professor	Optimization Techniques and its Applications from a Research Perspective	13.09.2023 to 17.09.2023	FDP	Scientific Research Reports, Chennai
20	Mr.J.Venkatesh	Assistant Professor	Techniques for Data and Knowledge Driven Multi-Criteria Decision Models	11/12/2023 - 16/12/2023	ATAL FDP	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY
21	Mr.J.Venkatesh	Assistant Professor	Emerging Technologies in Renewable Energy Sources	04.12.2023	Course	Swayam Online
22	Mr.R.Gunasekaran	Assistant Professor	Entrepreneurship Development for Faculty Energy Conservation Domains of Engineering and Technology	11.09.2023 to 25.09.2023	FDP	Anna university, Chennai
23	Mr.R.Gunasekaran	Assistant Professor	Powders of Additive Manufacturing	11.12.2023	Workshop	IIT, Varanasi
24	Mr.R.Gunasekaran	Assistant Professor	Studies on different MCDM techniques in micro-electrical discharge machining of	08.10.2023	International Conference	IIT, Varanasi



# CONSULTANCY



S.No	Date	Description	No of Cycles/Test Type	Qty	Amount in Rs.
1	15.06.2023 to 17.06.2023	Mahindra S201 Steering Knuckle	Strut and Tie rod arm static strength test	15 Nos	36,000
2	18.06.2023 to 03.08.2023	STELLANTIS Rear suspension arm joint yoke fatigue test	04 Nos	01-LH : 77,40,414 Cycles/430.02 Hrs 02-LH : 05,65,911 Cycles/31.44 Hrs 01-RH : 10,88,357 Cycles/60.46 Hrs 02-RH : 11,49,815 Cycles/63.88 Hrs	8,20,120
3	05.09.2023	PSA 78 Steering Knuckle	Steering arm Static Strength test	12 Nos	28,800
4	21.09.2023 to 22.09.2023	Gamma Steering knuckle	Steering arm Static Strength test	11 Nos	26,400
5	19.10.2023	Y9T ARM ASSY, STRG INTERMEDIATE	Bush press in and press out test	02 Nos	2,000
6	19.10.2023	Mahindra S201 Steering Knuckle	Strut arm and steering arm static strength test	5 Nos	12,000
7	06.11.2023 to 24.11.2023	Renault PY1B Steering Knuckle	Steering arm Fatigue test(Total Cycles 12,12,000/Running Hrs: 67.33	06 Nos	94262