



MOET

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

DEPARTMENT OF MECHANICAL ENGINEERING

MECHANICA

NEWS LETTER

VOLUME-2



 **MECHANICA**

JAN 23-MAY 23

EDITORIAL BOARD

CHIEF PATRONS

Dr.M.Manickam

Chairman, MCET

Mr.M.Harihara Sudhan

Correspondent, MCET

Dr.C.Ramaswamy

Secretary, NIA

ADVISORY COMMITTEE

Dr.P.Govindasamy

Principal

Dr.I.Rajendran

Head of the Department

FACULTY COORDINATORS

Mr.S.GnanaKumar, AP/Mech,MCET

Mr.K.Maniraj , AP/Mech,MCET

EDITORS

Prakasini S.V(21bme037)

Selva Natheya .R (21bme027)

Department of Mechanical Engineering

VISION AND MISSION OF THE DEPARTMENT

Vision

To transform students from rural background into professional leaders of top
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 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 in a 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)

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

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.

28 JAN 23

Xenium



Xenium, a fun-based technical event, was held, and students participated enthusiastically.

31 JAN 23

*Alumni talk on predict and plan
your future*



QUESTIONNAIRES ARE ALWAYS USED IN PREDICTION AND PLANNING. SURESH OOTY, ONE OF THE TOP MCET ALUMNI EVER, PROVIDES SUCH ADVISE FOR YOUNG MINDS.

YUKTHI -Project idea presentation

"THE PROBLEMS AND SOLUTIONS ARE LIMITLESS." "THE POSSIBILITIES ARE ENDLESS." VISHAL NAIR GUIDED AND JUDGED YUKTHI: THERE WAS A PROJECT CONCEPT PRESENTATION EVENT IN WHICH STUDENTS FROM ALL DEPARTMENTS PARTICIPATED AND PRESENTED THEIR IDEAS.



NEWS LETTER

MECHANICA

07 FEB 23

Expert Talk

21 FEB 23

PLACEMENT IS CRITICAL, AND ASSISTANCE FOR SUCH PLACEMENT IS ESSENTIAL.

CAPGEMINI EXPERTS

SARAVANA KUMAR RANGARAJ, SENIOR DIRECTOR, PROVIDED ADVICE ON PLACEMENT AND THE ABILITIES REQUIRED FOR PLACEMENT IN NPD PLM AND MBSE.



Expert talk

27 FEB 23

MR.S.PRABAKARAN, ASS T MANAGER CARESOFT , GAVE AN EXPERT DISCUSSION ON ATTAINING PROBLEM-SOLUTION FIT AND PRODUCT-MARKET FIT.



NEWS LETTER

MECHANICA

Xenium 2.0



13 APRIL 23

**ON APRIL 13, 2023,
THE FUN-BASED
TECH EVENT
XENIUM 2.0 WAS
HELD.**

**THE STUDENTS
EAGERLY
PARTICIPATED
AND
SUCCESSFULLY
COMPLETED THE
NUMEROUS
ROUNDS.**

Xenium prize winners



**THE PRIZE
WINNERS WERE
AWARDED IN THE
XENIUM 2.0 EVENT**

**MECHANICA
E EWS LETTER**

18 APRIL 23

There is no strength that can match experience.

Third-year students were given a knowledge-sharing session on their interview and selection process by placed students



MECHANICA
NEWS LETTER

*Mission
capegemini*



students achievements

AY-2022-2023



Congratulations!!!

S.No	Name of the student	Name of the award /prize	year	Name of the event	Awarded by	date
1	Lal Nivedh	first	II	Technical event- paper presentation	Karunya institute of technology and science,coimbatore	24.03.2023
2	Gokul Prasath .N	Second	II	Technical event project presentation	Sri shakthi institute Of engineering and technology Coimbatore	16.032023
3	Selva Natheya.R	first	II	Nontechnical event connect	Vellalar College of engineering and technology	24.02.2023
	Prakasini S.V					
4	Rohit Kumar s	first	II	Technical event-CAD modelling	Hindustan College of engineering and technology Coimbatore	22.02.2023
5	Abinand.N	first	III	Technical event-Mr.Mechon machinist	P.A college of engineering and technology	24.02.2023
	Dinesh Kumar .S					

FACULTY ACHIEVEMENTS

AY-2022-2023

11	Investigation of Static and Dynamic Mechanical Properties of Coconut Tree Primary Flower Leaf Stalk Fiber Reinforced Polymer Composites	Dr.Rama Thirumurugan Dr.N.Shanmugasundaram Dr.M.jayaraj	Journal of Natural Fibers	Taylor & Francis	30.01.2023
12	Experimental investigation on the mechanical, thermal and acoustic characteristics of cellulose/synthetic fiber/nano clay hybrid composites: Influence of treatment, moisture and layering pattern	Dr.Rama Thirumurugan Dr.N.Shanmugasundaram Dr.C.Latha Dr.Mahesh kumar	Composites Part: Applied Science and Manufacturing	Elsevier	May 2023
13	Influence of rotation speeds on microstructure and mechanical properties of welded joints of friction stir welded AA2014-T6/AA6061-T6 alloys	Dr.T.Ramkumar Dr.M.selvakumar Dr.M.Muruganandham	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	SAGE Publications	May 2022
14	Charaterization of prickly pear short fiber and red onion peel biocarbon nanosheets toughened epoxy composites	Mr.S.V.Gurupranes	Polymer Composites	Wiley	Aug 2022



our staff team comprised of

Mr. MANIRAJ

Mr.SASIKUMAR

Mr.NAVEEN KUMAR

Mr.KARTHIK

won 1st prize in anna university zone IX,X,XI men staff
cricket tournament

congratulations to
all faculties

MCET MILESTONES

