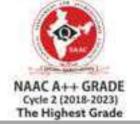


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DEPARTMENT OF MECHANICAL ENGINEERING

MECHANICA

NEWS LETTER

VOLUME-2



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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 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.

Programme Educational Objectives (PEOs)

The graduates will:

- **PEO1.**Technical Expertise: Actively apply technical and professional skills in engineer 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 continuous learning and apply the learning at work to create new knowledge.
- **PEO3**.Ethical Knowledge: Conduct themselves in a responsible, professional and ethi 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 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 engineer

mechanica news letter

- PO5. Use appropriate tools and techniques to solve engineering probler
- **PO6.** Apply contextual knowledge to make informed decisions in societal, hear 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.

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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.

GNKTHI - 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

21 FEB 23

PLACEMENT IS CRITICAL, AND ASSISTANCE FOR SUCH PLACEMENT IS ESSENTIAL. **CAPGEMINI EXPERTS** SARAVANA KUMAR RANGARAJ, SENIOR DIRECTOR, PROVID **ED 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.

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epium 20



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.

Kenium prize

winners

THE PRIZE
WINNERS WERE
AWARDED IN THE
XENIUM 2.0 EVENT



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Congratulations!!!

Name

S.No	Name of the student	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 Prakasini S.V	first	11	Nontechnical event connect	Vellalar College of engineering and technology	24.02.2023
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	P.A college of engineering and	24.02.2023
	Dinesh Kumar .S			machinist	technology	

FACULTY ACHIEVENTS

AY-2022-2023

11	Dynamic Mechanical Properties of Coconut Tree Primary Flower Leaf Stalk Fiber Reinforced Polymer Composites	Dr.Rama Thirumurugan Dr.N.Shanmuga sundaram 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.Shanmuga sundaram Dr .C.Latha Dr.Mahesh kumar	Composites Part: Applied Science and Manufacturin g	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.selva kumar Dr.M.Muruganandh am	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	SAGE Publicati ons	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					

Investigation of Static and



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

