



STELLA MARY'S COLLEGE OF ENGINEERING

(APPROVED BY AICTE, NEW DELHI, AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

ARUTHENGAVILLAI, KALLUKATTI JUNCTION, AZHIKAL (PO), KANYAKUMARI DISTRICT-629202

DEPARTMENT OF MECHANICAL ENGINEERING

Volume: 1 Issue: 13 JUN 2024 - DEC 2024

SMCE/MECH/NEWS LETTER

VISSION

To excel in Mechanical engineering by producing skilled, innovative engineers who address societal challenges and develop impactful solutions through research, collaboration, and practical applications.

MISSION

M1: To equip students with the knowledge and skills necessary to become exceptional mechanical engineers, capable of solving complex problems and driving positive change through innovation and ethical leadership.

M2: To conduct innovative research, develop advanced technologies, and collaborate with industry partners to address critical engineering challenges and build a sustainable future.

M3: To apply engineering knowledge to enhance communities, inspire future generations, and protect the environment through safe and responsible practices.



HOD'S DESK



Dr. F. Michael Raj

Head of the Department

Department of Mechanical Engineering

It gives me immense pleasure to connect with you through this edition of our department's newsletter. As we navigate another productive academic term, I take great pride in the collective efforts of our dedicated faculty, enthusiastic students, and supportive staff who continue to uphold the standards of excellence we strive for. This semester has seen significant accomplishments – from student innovations and successful workshops to impactful research and meaningful industry collaborations. These milestones not only showcase our commitment to academic and professional growth but also highlight the vibrant spirit of our department. Looking ahead, we are excited about upcoming seminars, industrial visits, and collaborative projects that promise to further enhance our learning environment. I encourage all students to actively participate and make the most of these opportunities. Let us continue to work together, grow together, and create a future that reflects our shared values and aspirations. My heartfelt thanks to all contributors of this newsletter for capturing the essence of our journey so beautifully.



EVENTS ORGANIZED

WORKSHOP

TITLE : Two Days Workshop on Heating, Ventilation, and Air conditioning (HVAC) systems

DATE : 04-11-2024 & 05-11-2024

SEMINAR

TITLE : Lecture On Ansys Fluent Introduction

RESOURCE PERSON: Mr.A.Prabheharan

DATE : 25-07-2024

TITLE : Renewable Energy

RESOURCE PERSON: Mr.P.K.Ramadoss

DATE : 31-07-2024

TITLE : Seminar On Design Employments

RESOURCE PERSON: Dr.S.Kumerasan

DATE : 07-08-2024

TITLE : Seminar On 3D Printing

RESOURCE PERSON: Mr.A.Anesh Darrel

DATE : 28-08-2024

TITLE : Seminar On Cnc

RESOURCE PERSON: Mr.Balan

DATE : 02-09-2024

TITLE : Seminar On Iot

RESOURCE PERSON: Mr.Sunil

DATE : 15-10-2024

VALUE ADDED COURSE

Sl.No.	Name of Course	Year	Name of the Organization and Resource Person Details	Duration and Total Hours	Number Of Students Benefited
1	3D Printing	III	Anesh Darrel A Darrels AM research and reverse engineering labs private limited	09-09-2024 to 09 -011-2024(40 hours)	22
2	CNC	III	Bibin, Manager Mr. Kutty Balan,Tainer CADPoint.Auyhorized Training centre.	09-09-2024 to 09 -11-2024(40 hours)	23
3	IOT	IV	Mr.Kousigane, CEO, Arun Kumar, Manager.KolozenT ech world pvt Ltd.	25-09-2024 to 01 -10-2024(40 hours)	61
4	NDT&Q A/QC	IV	Mr Padma kumar SMEC LAB . Nagercoil.	01-08-2024 to 14 -08-2024(80 hours)	61

STUDENTS ACHIEVEMENTS

Sl. No.	Name	EVENT	Held At	Competition	Date
1.	G. Raja Lingam	SAEISS Bicycle design challenge	Knowledge Institute of Technology	Bicycle design	26-10-2024 27-10-2024
2.	Sivanathan	SAEISS Bicycle design challenge	Knowledge Institute of Technology	Bicycle design	26-10-2024 27-10-2024
3.	K KThasbin	SAEISS Bicycle design challenge	Knowledge Institute of Technology	Bicycle design	26-10-2024 27-10-2024
4.	JEFFRIN J S	SAEISS Bicycle design challenge	Knowledge Institute of Technology	Bicycle design	26-10-2024 27-10-2024
5.	Rahul R	SAEISS Bicycle design challenge	Knowledge Institute of Technology	Bicycle design	26-10-2025 27-10-2025

NPTEL CERTIFICATION BY STUDENTS

Sl.No	Name of the student	Course Name	Duration
1	Gayathiri G	Technical Communication for Engineers	Jul-Aug 2024
2	Muneeswari P	Technical Communication for Engineers	Jul-Aug 2024
3	Aswin S K	Manufacturing Systems Technology 1 & 2	Jul-Oct 2024
4	Infant Mazhak	Technical Communication for Engineers	Jul-Aug 2024
5	Jean Milan J O	Patent Law for Engineers and Scientists	Jul-Oct 2024
6	Abishek M	Manufacturing Systems Technology 1 & 2	Jul-Oct 2024
7	Francis Rahul	Technical Communication for Engineers	Jul-Aug 2024

STAFF ACHIEVEMENTS

BOOK PUBLISHED

S. No	Name of the Faculty	Paper Title	Journal Name	DOI	ISBN Number
1	Dr. M. Sivaprakash	Human Assist Devices	San International Publication	https://doi.org/10.59646/humanasdev/097	978-81-968148-7-8

Faculty contribution to the outside world

S. No.	Name of the Faculties	Nature of Interaction	Organization Name	Occurrence Title	Academic Year
1.	Mr. E. Bravin Daniel	Reviewer	Willey	Journal of Applied Polymer Science (Research Article)	2024-2025
2.	Dr. M. Sivaprakash	Reviewer	BP International	Book	2024-2025
3.	Dr. M. Sivaprakash	Reviewer	Journal of Energy Research and Reviews	Research Article	2024-2025
4.	Dr. J. Jenix Rino	Advisory Board Member	Research on Engineering Structures and Materials	Member	2024-2025
5	Mr. I. P. Rakhes	Mentor	National Entrepreneurship Challenge 2024	E-Cell Bombay	2024-2025

FDP & WORKSHOPS ATTENDED BY FACULTIES

S. No.	Name of the Faculties	Topic	Institution	Cummulative days	Activities Type
1	Dr. J. Jenix Rino	Metal Additive Manufacturing: From Advances to Adaptability	St. Joesph's Institute of Technology	5	FDP
2	Dr. M. Sivaprakash	Building Web development Solutions with Cloud Computing	EDU Net AICTE	5	FDP
		The Future of Mechanical Engineering: AI and Its transformative Impact	techno india University, West Bengal	5	FDP
		Waste to Wealth Innovation		6	FDP
3	Mr. S.R. Rajkumar	Internet of Things	IBM Career Education Program		Course
4	Mr. S. Ajithkumar	Manufacturing Technology I & II	NPTEL	12 Week	MOOC
		Metal Additive Manufacturing: From Advances to Adaptability	St. Joesph's Institute of Technology	5	
5	Mr. P. Vijayan	International Webinar on Mastering Research Paper Writing: From Idea to Publication	SKILL ACTIVATE	1	FDP
		Training of Trainers Workshop on Anti-Drug Club	Empower India	1	Workshop
		Oracle Certified Foundation Associate	ORACLE University		Course
6	Mr. I. P. Rakhesh	An Introduction to Ethical Publishing Behavior	Web of Science Academy	1	MOOC
		Waste to Wealth Innovation	National Institute of Technical Teachers Training & Research, Kolkata	6	FDP
		Building Web development Solutions with Cloud Computing	EDU Net AICTE	5	FDP
		Sustainable Development Goals in Latin America & Caribbean Summit 2024	Springer Nature	1	Summit
		Principles of Outcome Based Education	vmedulife Software	1	FDP
		The Future of Mechanical Engineering: AI and Its transformative Impact	techno india University, West Bengal	5	FDP

CLASS TOPERS

IV YEAR - PAULWIN

III YEAR - LINSHA PUSHPARAJ

II YEAR - SIVA

Program Educational Objectives

PEO1: Effectuating success in careers by exploring with the design, digital and computational analysis of engineering systems, experimentation and testing, smart manufacturing, technical services, and research.

PEO2: Amalgamating effectively with stakeholders to update and improve their core competencies and abilities to ethically compete in the ever-changing multicultural global enterprise.

PEO3: To encourage multi-disciplinary research and development to foster advanced technology, and to nurture innovation and entrepreneurship in order to compete successfully in the global economy.

PEO4: To globally share and apply technical knowledge to create new opportunities that proactively advances our society through team efforts and to solve various challenging technical, environmental and societal problems.

PEO5: To create world class mechanical engineers capable of practice engineering ethically with a solid vision to become great leaders in academia, industries and society



EDITOR : Mr. Rakhesh P

STUDENTS COORDINATORS

S . Shervin Kumar

T. Sujith

s. Abinesh Raj