



# 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 NEWS LETTER

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SMCE/MECH/NEWS LETTER

### VISION

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

The Department of Mechanical Engineering stands as a foundational pillar of this esteemed institution, contributing significantly since its inception. Known for its academic rigor and innovative spirit, the department has consistently produced skilled technocrats, researchers, and industry leaders. With a legacy built on excellence, it continues to uphold the highest standards in teaching, research, and industrial collaboration. The faculty comprises experienced professionals who bring a blend of theoretical knowledge and practical expertise, guiding students through a dynamic and evolving curriculum. Emphasizing both academic achievement and personal growth, the department offers a nurturing environment that supports innovation, creativity, and hands-on learning. Well-equipped laboratories, research centers, and industry tie-ups provide students with valuable exposure to real-world engineering challenges. The department is dedicated to shaping future-ready mechanical engineers who are not only technically proficient but also ethically grounded and socially responsible, ready to contribute meaningfully to global technological advancement.



Dr. F. Michael Raj  
Head of the Department

### Programme 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

## EVENTS ORGANIZED

**Resource Preson : Dr Michael raj and Mr R.Raj kumar.**

**NBA awareness program**

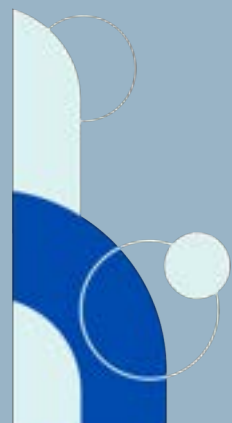
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**DEPARTMENT OF MECHANICAL ENGINEERING**



# STUDENTS ACHIEVEMENT'S

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&QA/QC	IV	Mr Padma kumar SMEC LAB . Nagercoil.	01-08-2024 to 14 -08- 2024(80 hours)	61



# STUDENTS ACADEMIC TOPPERS



**Linsha pushparaj**  
**CGPA : 8.68**



**Muneeswari p**  
**CGPA : 8.48**



**Gayathri g**  
**CGPA : 8.36**

## FACULTY ACTIVITIES

Sl.No	Name of Course	Year	Name of the Organization and Resource Person Details	Duration and Total Hours	Number Of Students Benefited
1	Solid works	IV	National Skill Development & certification Authority	AUG 2023 to NOV 2023 (40hours)	61
2	Master CAM-CNC Lathe and milling	III	Bibin, Manager Mr. Kutty Balan,Tainer CADPoint.Auyhorized Training centre.	21 NOV 2023 – DEC 2023 (40 hours)	61
3	AutoCAD	11	National Skill Development & certification Authority Trio cad center , nagercoil	JAN 2023 to APR 2023 (40 hours)	45

4	<b>Mr. S. Ajithkumar</b>	<b>Intellectual Property Rights</b>	<b>Dr. M. G. R Educational and Research Institute</b>	<b>22-05-2023</b>	<b>26-05-2023</b>	<b>5</b>	<b>FDP</b>	<b>Participant</b>
5	<b>Mr. E. Bravin Daniel</b>	<b>ICT for Teaching and Learning</b>	<b>NITTTR, Chennai</b>	<b>09-01-2023</b>	<b>13-01-2023</b>	<b>5</b>	<b>PDP</b>	<b>Participant</b>
6	<b>Mr. P. Vijayan</b>	<b>Education 5.0</b>	<b>Dr. M. G. R Educational and Research Institute</b>	<b>15-05-2023</b>	<b>19-05-2023</b>	<b>5</b>	<b>FDP</b>	<b>Participant</b>
7	<b>Mr. I. P. Rakesh</b>	<b>How to write and get your research paper published</b>	<b>ESSGEE DIGISKILLS</b>	<b>05-01-2023</b>	<b>15-01-2023</b>	<b>11</b>	<b>Workshop</b>	<b>Participant</b>
8	<b>Mr. I. P. Rakesh</b>	<b>Waste to Energy Conversion</b>	<b>NPTEL - FDP</b>	<b>January 2023</b>	<b>April 2023</b>		<b>NPTEL - FDP</b>	<b>Participant</b>

## **AWARDS RECEIVED BY FACULTIES**

**TITLE: EXCEPTIONAL MENTORSHIP**

**NAME OF THE FACULTY: Mr. I. P. RAKESH**

**RECEIVED FROM: UN-SDSN YOUTH & SDG STUDENTS PROGRAM.**

**EDITOR : Mr. Vijayan P**



## **STUDENTS COORDINATORS**

**Gayathri g**

**Muneeswari p**

**Linsha pushparaj**