



# DEPARTMENT OF MECHANICAL ENGINEERING

## STELLA MARY'S COLLEGE OF ENGINEERING

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

ARUTHENGANVILAI, KALLUKATTI JUNCTION AZHIKAL POST, KANYAKUMARI DISTRICT- 629202



### VISION

To impart nationally and internationally recognized education on Mechanical Engineering, leading to well qualified engineers who are innovative contributors to the profession and successful in advanced studies and research.

### MISSION

- » To provide an international class of education enabling the students to have the ability to design, plan, engineer, administer and manage the latest technologies in the field of Mechanical Engineering.
- » To train students to face the future challenges of industries and society.
- » To equip the students to take leading positions in industry, academia, and PSUs both in India and abroad.

### PEOs

**PEO1/** To produce Mechanical Engineers with an outstanding knowledge of Mathematics, Science, Engineering, Management, Humanities and other interdisciplinary subjects for a successful career.

**PEO2/** To equip the students with modern tools and technology for deliberating engineering solutions.

**PEO3/** To inculcate students with leadership skills with a high level of integrity, ethics and moral values.



## NEWS LETTER

### HOD'S DESK

Regards, Colleagues Salutations! It is with great pleasure that we announce the publication of our Department's newsletter, which details all of the activities and events that took place during the even semester of the academic year 2017-2018. The aim of the newsletter is to bring various hearings, functions, and happenings in the Department to the attention of the public. One of Stella Mary's College of Engineering's groundbreaking departments is ours. We provide an excellent educational experience for our students that includes academic rigour and cross-disciplinary depth in a well-organized, student-centered environment. Despite the uncertainty that the new academic year will bring, we are assured that our top priority will be to ensure the health and safety of our students, faculty, and staff while delivering the best possible learning experience. During the last six months, our Department has shown exceptional resiliency in sustaining research efficiency. I want to thank all of our students and faculty members for helping to make this semester so exciting in so many ways. I congratulate the team on their good publication of this newsletter.

Mr. S.A. Edward Dhas





## EVENTS ORGANIZED

### Resource Person Er.I.Benjamin

Managing partner, 3 Q Inspection Service, Trichy.  
Seminar on **Non Destructive Test**  
on 04.01.2018



### Mr.M.Sajeev Manager

CAD Centre, Nagercoil Cadd Quest  
on 08.01.2018



### Mr.K.J.Anish Kumar

Technical Head, Edu CAD Tech, Nagercoil  
Workshop on **Hyper Mesh**  
on 30/01/2018



## STUDENT ACHIEVEMENTS

SL.NO.	NAME OF THE STUDENT	ORGANISED / CONDUCTED	BY Date	ACHIEVEMENT
1	K.Surya	Technical Symposium Mechera 18 James College of Engineering	13.03.2018	Second place in Poster Presentation
2	S.Ajith Santhosh Raj Ajay F	Yanthrika 18 AnnaiVailankanni College of Engineering	12.03.2018	Third prize in Project Expo
3	Sahaya Rajesh	Technical Symposium Mechera 18 James College of Engineering	13.03.2018	First prize for Short Film

S No	Name	EVENT	Held At	Competition	Date
1.	S.Ajith	Yanthrika 18	AnnaiVailankanni College of Engineering	General Quiz, Project Expo	12-03-2018
2.	E.Ajay	Yanthrika 18	AnnaiVailankanni College of Engineering	General Quiz, Project Expo	12-03-2018
3.	Santhosh Raj	Yanthrika 18	AnnaiVailankanni College of Engineering	General Quiz, Project Expo	12-03-2018

## STUDENT PARTICIPATION

Name	Event Title	Held At	Date
M.S.Aravind	KTM Engine Explore	Rohini College of Engineering and Technology	05.01.2018 and 06.01.2018
M.AbdulBasith	KTM Engine Explore	Rohini College of Engineering and Technology	05.01.2018 and 06.01.2018
S.Rabin	KTM Engine Explore	Rohini College of Engineering and Technology	05.01.2018 and 06.01.2018
A.S.Ratheesh	KTM Engine Explore	Rohini College of Engineering and Technology	05.01.2018 and 06.01.2018
Mahesh	KTM Engine Explore	Rohini College of Engineering and Technology	05.01.2018 and 06.01.2018
C.I.Dinesh	KTM Engine Explore	Rohini College of Engineering and Technology	05.01.2018 and 06.01.2018
Bala Williams M	KTM Engine Explore	Rohini College of Engineering and Technology	05.01.2018 and 06.01.2018

## STUDENT ACADEMIC TOPPERS



**SENIL S**  
FINAL VIII  
CGPA : 8.239



**DINESH C L**  
THIRD VI  
CGPA : 7.793



**JOHN JERLIN J**  
SECOND IV  
CGPA : 8.314



## FACULTY ACHIEVEMENTS

**Mr.F.MICHAEL RAJ** ‘Influence of Processing Parameters on AA 6063/SiC (Black & Green) Composites in Wire EDM’, Volume 53, ISSUE 2, pp. 1966-1990. Caribbean Journal of Science, ISBN/ISSN Number 0008-6452, Impact Factor 0.28

**Mr.F.MICHAEL RAJ** “Hybrid composites with discarded fishnet and polyester: a novel boat-building material”, <https://doi.org/10.1080/17445302.2018.1464890> (Taylor & Francis) Ships and Offshore Structures , ISBN/ISSN Number 1744-5302, Impact Factor 1.85

**Mr. F. MICHAEL RAJ** “Waste to Poles: Discarded fishnet/glass fiber and Polyester for building Electrical Poles” 2997- 3005. John Wiley - Polymer Composites, ISBN/ISSN Number 2728397, Impact Factor 2.35

**Mr.F.MICHAEL RAJ** “Evaluation of mechanical behavior of multifilament discarded fishnet/glass fiber and polyester composites for marine applications” 58, 361–366.) Elsevier, Marine Structures , ISBN/ISSN Number 0951-8339, Impact Factor 2.708

**Mr.C.DHAYANANTH JEGAN** “A noval investigation of heat transfer characteristic in Rifled tubes”. SPRINGER HEAT AND MASS TRANSFER ISSN 0947-7411, ISBN/ISSN Number Volume 54 Number 5, Impact Factor 1.32

**Mr.S.R.RAJKUMAR** “Synthesis and Analysis of Bio-Oil from Coconut Leaf Stalk” By Pyrolysis International Journal of Research, Volume VIII, Issue II, February / 2019 ISSN NO:2236-6124, ISBN/ISSN Number 2236-6124 Impact Factor 5.7

**Mr. S.R. RAJKUMAR** “Synthesis and Scrutiny of Pyrolysis-Oil from Tamarind Shell” JASC: Journal of Applied Science and Computations. ISBN/ISSN Number 1076-5131, Impact Factor 5.8

## FACULTY AWARDED PH.D

**Dr. M.SIVA PRAKASH** Professor  
Anna university, Chennai  
2017



## AWARDS BY COLLEGE

**BEST TEACHER: Mr.S.R.RAJKUMAR**(94% in ME6016/Internal Combustion Engines)

**BEST RESEARCHER: Mr.F.Michael Raj**

**BEST OUTGOING STUDENT: SENIL S**

**EDITOR : MR. A. ASWIN INBARAJ JAISON AP/Mech**

## STUDENT COORDINATORS

A.ArulShemin, S. Senil, M. Bala Williams, R.S. Jenish,A. Sahaya Rajesh