



# DEPARTMENT OF MECHANICAL ENGINEERING NEWS LETTER



## STELLA MARY'S COLLEGE OF ENGINEERING

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

ARUTHENGANVILAI, KALLUKATTI JUNCTION AZHIKAL POST, KANYAKUMARI DISTRICT-629202



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SMCE/MECH/NEWSLETTER

### 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.



### HOD'S DESK

The Department of Mechanical Engineering has been the heart and spirit of this premier institution right from its inception. Rated very high, this department is Alma Mater to several technocrats and researchers. The department has a rich tradition of pursuing academic excellence and providing congenial environment for the overall development of its students. From the beginning, the Department of Mechanical Engineering has been the beating heart and soul of this prestigious institution. This department has a high ranking and is host to a variety of technocrats and scholars. The department has a long history of striving for academic excellence while also providing a supportive atmosphere for students' overall growth.



### 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.



## STUDENT ACTIVITIES

### Workshop on Advanced Product Technologies

Resource Person : **Dr.R.MANIVANNAN**

Scientist, CSIR-CMERL,

West Bengal.

on 19/02/2020



### Workshop on Additive Manufacturing Process

Resource Person : **Dr.M.PRADEEP KUMAR**

Director, AU-FRG,

Anna University, Chennai.

on 19/02/2020



### Workshop on Micro Machining

Resource Person : **Dr.P.HARIHARAN**

Prof, Dept.of Manf.Tech Students Affairs,

Anna University, Chennai.

on 19/02/2020

**National Level Technical Symposium Joule's FEZT 20** purely depends on scope of Mechanical Engineering which helps engineering students to develop project related to various fields of Mechanical Engineering. Chief guests **Dr.M.S.STARVIN AND Mr.SIVATHANU PILLAI** have Presented valuable seminars and also made interactive presentations. on 20-02-2020

## STUDENT ACHIEVEMENT

### OBISIAN R K

Organised by **ThekkanKalari Varma AdimuraiSilambam TamilNadu Kalaripayattu Association**, Coimbatore, on 25-01-2020

Achievement : First Prize

Sl. No	Name of the Student	Title	Organized/Conducted by	Date	Achievement
1.	<b>U.A.Ahilesh</b>	<b>Intellectual Property Rights &amp; Entrepreneurship</b>	<b>Entrepreneurship Development and Innovation Institute</b>	<b>17-02-2020 and 18-02-2020</b>	<b>Participation</b>
2.	<b>A.Muthumani</b>	<b>Intellectual Property Rights &amp; Entrepreneurship</b>	<b>Entrepreneurship Development and Innovation Institute</b>	<b>17-02-2020 and 18-02-2020</b>	<b>Participation</b>
3.	<b>R.Venu Gopal</b>	<b>Intellectual Property Rights &amp; Entrepreneurship</b>	<b>Entrepreneurship Development and Innovation Institute</b>	<b>17-02-2020 and 18-02-2020</b>	<b>Participation</b>
4.	<b>B.Thaswin</b>	<b>Intellectual Property Rights &amp; Entrepreneurship</b>	<b>Entrepreneurship Development and Innovation Institute</b>	<b>17-02-2020 and 18-02-2020</b>	<b>Participation</b>

5.	<b>J.David Harris S.Jenish Rahul R.L.Ezhil Ram</b>	<b>Automated Writing Machine using Ewaste</b>	<b>Technology Enabling Centre, Centre for Technology Development and Transfer, Anna University</b>	<b>27-02-2020 and 28-02-2020</b>	<b>Participation</b>
6.	<b>Jerson J</b>	<b>Entrepreneurship Awareness Camp</b>	<b>Amrita College of Engineering and Technology</b>	<b>12-02-2020 and 14-02-2020</b>	<b>Participation</b>
7.	<b>Anish R</b>	<b>Entrepreneurship Awareness Camp</b>	<b>Amrita College of Engineering and Technology</b>	<b>12-02-2020 and 14-02-2020</b>	<b>Participation</b>
8.	<b>J.David Harris</b>	<b>Serve the Underserved with Special Emphasis on the Tribal Communities of Sirumalai</b>	<b>IEEE Smart Village</b>	<b>01.02.2020</b>	<b>Participation</b>
9.	<b>M.Sujith</b>	<b>Serve the Underserved with Special Emphasis on the Tribal Communities of Sirumalai</b>	<b>IEEE Smart Village</b>	<b>01.02.2020</b>	<b>Participation</b>
10.	<b>R.K.Obisian</b>	<b>Serve the Underserved with Special Emphasis on the Tribal Communities of Sirumalai</b>	<b>IEEE Smart Village</b>	<b>01.02.2020</b>	<b>Participation</b>
11.	<b>Ezhil Ram R L</b>	<b>Serve the Underserved with Special Emphasis on the Tribal Communities of Sirumalai</b>	<b>IEEE Smart Village</b>	<b>01.02.2020</b>	<b>Participation</b>
12.	<b>N Nabin</b>	<b>Serve the Underserved with Special Emphasis on the Tribal Communities of Sirumalai</b>	<b>IEEE Smart Village</b>	<b>01.02.2020</b>	<b>Participation</b>
13.	<b>Jenish Rahul S</b>	<b>Serve the Underserved with Special Emphasis on the Tribal Communities of Sirumalai</b>	<b>IEEE Smart Village</b>	<b>01.02.2020</b>	<b>Participation</b>
14.	<b>Thanu A</b>	<b>Serve the Underserved with Special Emphasis on the Tribal Communities of Sirumalai</b>	<b>IEEE Smart Village</b>	<b>01.02.2020</b>	<b>Participation</b>



## STUDENT ACADEMIC TOPPERS



**JOHN JERLIN J**  
FINAL VIII  
CGPA : 8.207



**SANTHIYA S K**  
THIRD VI  
CGPA : 8.2



**ANISH R**  
SECOND IV  
CGPA : 7.889

## FACULTY ACTIVITIES

Name of the faculty	Programme	Organized by	No of days & Attended date	Type	Level
<b>Dr.MSIVAPRAKASH</b>	“CFD SIMULATION OF THERMAL MANAGEMENT OF BATTERIES AND POWER CONVERTORS”	Vel Tech High Tech Dr Rangarajan Dr.Sakunthala Engineering College	1day & 28/5/2020	FDP	National
<b>Dr. F.MICHEAL RAJ</b>	“ARTIFICIAL INTELLIGENCE”	Christian College Of Engineering And Technology, Oddanchatram	5days & 22.05.2020 to 26.05.2020	FDP	National
	“EMERGING TRENDS IN ELECTRIC VEHICLES”	Jeppiaar Institute Of Technology,Sriperumpthor	2days & 14.05.2020 to 15.05.2020	FDP	National
	“ADVANCES IN PRODUCTION AND INDUSTRIAL ENGINEERING”	Kalasalingam Academy Of Research And Education,virudhunager	6days & 25.05.2020 to 30.05.2020	FDP	National
	“MECHANICAL BEHAVIOUR OF ADVANCED MATERIALS AND ITS SCOPE FOR ENGINEERING APPLICATIONS”	Sri Venkateswara College Of Engineering Pennalur , Sriperumbudur	5days & 10.06.2020 to 14.06.2020	FDP	National
<b>Dr.J.JENIX RINO</b>	“ADVANCES IN PRODUCTION TECHNOLOGY”	Stella Mary’s College Of Engineering	1day & 19/02/2020	Works hop	National
<b>Mr. J.STARLIN DEVA PRINCE</b>	“ HEAT TRANSFER AND COMPUTATIONAL FLUID DYNAMICS TOWARDS INDUSTRIAL APPLICATIONS ”	Sri Sairam Institute of Technology , Chennai, Tamil Nadu	7days & 12/6/2020-18/6/2020	FDP	National

<b>Mr. J.STARLIN DEVA PRINCE</b>	<b>"ETHICAL PRACTICES IN ENGINEERING"</b>	Sri Sairam Engineering College, Chennai,	7days & 28/5/2020-03/5/2020	FDP	National
	<b>"MANAGING ONLINE CLASSES AND CO-CREATING MOOCS:2.0"</b>	Teaching learning centre, Ramanujan college, University of Delhi	14 days & 18/05/2020-03/6/2020	FDP	National
	<b>"CAM USING FUSION 360 (ONLINE LIVE FDP)"</b>	ICT Academy	7days & 07/5/2020-13/5/2020	FDP	National
	<b>"EMERGING AREAS IN MANUFACTURING"</b>	Vimal Jyothi Engineering College, Jyothi Nagar, Chemperi, Kannur, Kerala.	6days & 25/5/2020-30/5/2020	FDP	National
	<b>"RENEWABLE ENERGY SYSTEMS"</b>	Panimalar Institute Of Technology	6days & 08/6/2020-12/6/2020	FDP	National
<b>Mr. P.VIJAYAN</b>					
	<b>"STEP-BY-STEP FOR WRITING RESEARCH ARTICLES"</b>	Kalasalingam Academy Of Research And Education, virudhunager	1 day & 21.05.2020	FDP	National
<b>Mr.D.VINOTHKUMAR</b>	<b>"RESEARCH METHODOLOGY"</b>	Jeppiaar Institute Of Technology, Sriperumputhoor	2days & 01/6/2020 to 02/06/2020	FDP	National
	<b>"NOVEL MATERIALS AND ITS INDUSTRIAL APPLICATIONS"</b>	Karpagam College Of Engineering, Coimbatore	6days & 13.05.2020 to 18.05.2020	FDP	National
	<b>"ADVANCEMENT IN ROCKET SCIENCE AND ADDITIVE MANUFACTURING"</b>	CSI College Of Engineering, Ooty	2days & 18.5.2020 to 19.05.2020	FDP	National
	<b>"ADVANCEMENT IN MECHANICAL PRODUCTION AND CIVIL ENGINEERING AND ICT TEACHING-LEARNING PROCESS"</b>	Sri Sairam Engineering College, Chennai	14days & 13.05.2020 to 26.05.2020	FDP	National
	<b>"FUTURE MATERIALS: NANO COMPOSITES"</b>	Bharathi Vidyapeeth College Of Engineering, Pune	7days & 15.05.2020 to 21.05.2020	FDP	National
	<b>"HEAT TRANSFER AND COMPUTATIONAL FLUID DYNAMICS TOWARDS INDUSTRIAL APPLICATIONS"</b>	Sri Sairam Institute Of Technology, Chennai, Tamil Nadu.	7days & 12.5.2020 to 18.05-2020	FDP	National



<b>Mr.D.VINOTH KUMAR</b>	<b>“FUTURE AUTOMOTIVE INDUSTRY AND CHALLENGES”</b>	Vel Tech High Tech Dr Rangarajan Dr.Sakunthala Engineering College	1day & 27.05.2020	FDP	National
<b>Dr.C.DHAYANANTH JEGAN</b>	“INTERNET OF THINGS”	IIT Nagpur	5days & 30.04.2020 to 04.05.2020	FDP	National
	“MECHANICAL BEHAVIOUR OF ADVANCED MATERIALS AND ITS SCOPE FOR ENGINEERING APPLICATION”	Sri Venkateswara College Of Engineering Pennalur , Sriperumbudur	5days & 10.06.2020 to 14.06.2020	FDP	National
<b>Mr.E.BRAVIN DANIEL</b>	“EMERGING AREAS IN MANUFACTURING”	Vimal Jyothi Engineering College, Jyothi Nagar, Chemperi, Kannur	6days & 25/5/2020-30/5/2020	FDP	National
	“INTRODUCTION TO FINITE ELEMENT ANALYSIS”	Panimalar Institute Of Technology	5days & 11/5/2020-15/5/2020	FDP	National
	“GREEN MANUFACTURING : THE PRESENT & THE FUTURE”	Santhiram Engineering College, Nandyal	6days & 15/5/2020-20/5/2020	FDP	National
	“CFD SIMULATION OF THERMAL MANAGEMENT OF BATTERIES AND POWER CONVERTORS”	Vel Tech High Tech Dr Rangarajan Dr.Sakunthala Engineering College	1day & 28/5/2020	FDP	National

### FACULTY ACHIEVEMENTS :

**Dr.MICHAEL RAJ. F** “Experimental Investigation of Wire EDM Process Parameters on SiC Particles Reinforced AA6063 (Black & Green) Aluminium Alloy Matrix Composites” Tierarztliche Praxis, ISBN/ISSN Number 0303-6286 Impact Factor 0.388

**Dr.MICHAEL RAJ. F** “Mechanical and morphological characterization of discarded fishnet/glass fiber reinforced polyester composite” Bulletin Of The Polish Academy Of Sciences Technical Sciences, ISBN/ISSN Number 23001917 Impact Factor 1.3

### FACULTY AWARDED PH.D :

**Dr.J.JENIX RINO**  
Associate Professor & HOD  
Anna university, Chennai  
AWARDED ON : 2020



### AWARDS BY COLLEGE :

BEST RESEARCHER : **Dr.F.MICHAEL RAJ**  
BEST OUTGOING STUDENT : **JOHN JERLIN.J**

**EDITORS**  
**Mr. D. VINOTH KUMAR**

**STUDENT COORDINATORS**  
**M. Peer halaj, S. Shiju Gladwin**  
**R. Godfrey mohan, R. Suganiya**  
**J. David Harris**