

# SRI SAI RAM ENGINEERING COLLEGE

## DEPARTMENT OF MECHANICAL AND AUTOMATION ENGINEERING

Name: Mr.E.Vetre Selvan	
Designation:	Assistant Professor
Qualification:	B.E., M.E.
Area of Specialization:	Mechanical Engineering, CAD/CAM
Experience:	Teaching- 12 years 7 months
	Industry - NIL
No. of workshop / Conferences / FDP attended:	1
No. of workshop / Conferences / FDP organized:	5
Funded Projects	Nil
Publication:	<b>Journal:</b> National: NIL <b>International: 04</b>
	<b>Conferences:</b> National: NIL <b>International: 08</b>

Patent Details	<b>NIL</b>
Contact Details	Email : <a href="mailto:vetre.mu@sairam.edu.in">vetre.mu@sairam.edu.in</a> Phone : 9597952929
Research Guidance	No of PhD Scholars Registered : NIL No of Scholars completed : NIL Joint Supervisor : NIL DC Member : NIL

#### ACADEMIC BACKGROUND:

Course	Institution	Year of Passing	Board/university	% of Marks
M.E. CAD/CAM	Sri Sai Ram Engineering College, Chennai	2013	Anna University	8.5
B.E. Mechanical Engineering	SSM College of Engineering, Kumarapalayam	2010	Anna University	79%
Higher Secondary	Holy Cross MHSS	2006	Matric	71.5%
SSLC	St.Johns Matric HSS	2004	Matric	68.36%

#### PROFESSIONAL EXPERIENCE:

Sl. No	College/Organization	Designation	Period		Total period	Nature of work
			From	To		
1	Sri Sai Ram Engineering College	Assistant Professor	From June 2022 to	Till date	8 Years 2 Month	Teaching
2	Dhirajlal Gandhi College of Technology	Assistant Professor	19/7/2013 to	30/11/2017	4 years 4 months	Teaching

## PROFESSIONAL INVOLVEMENT:

Membership in professional bodies	IEEE
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## PUBLICATION DETAILS:

### **1. Enhancing Performance of Improved Wear and Corrosion Resistance in Nickel-Based Super Alloys via Zirconium Coating**

VetreSelvan.E, Saravanakumar.L, Ramanan.N, Somasundaram B, Praveen B A

Journal of Propulsion Technology , Vol. 44 (2023) , pp. 8229 - 8241

### **2. Assessment of Mechanical Properties of Kenaf - Kevlar Composites made by Hand Lay-up Technique**

D.S. Jenaris, N. Ramanan, M.B.S. Sreekara Reddy, A.Bovas Herbert Bejaxhin, E.Vetre Selvan

International Journal of Mechanical Engineering , Vol. 7 (2022) , pp. 6752

### **3. A Mobile Charger Through A Solar Panel Fabricated from Silicon Scrap**

Venkataraman K.;Selvan E.V.;Gandhi R.A.;Chakravarthi M.C.A.;Varunanand V.;Vasanthakumar B.

3rd International Conference on Power Energy Control and Transmission Systems Icepts 2022 Proceedings , Vol. (2022) , pp.

### **4. Fabrication and Analysis of the HLM Method of Layered Polymer Bumper with the Fracture Surface Micrographs**

Narashima Rao P.V.;Periyasamy P.;Bovas Herbert Bejaxhin A.;Vetre Selvan E.;Ramanan

N.;Vasudevan N.;Elangovan R.;Tufa M.

Advances in Materials Science and Engineering , Vol. 2022 (2022) , pp.

### **5. Dissimilar Material Joint Using Friction weld**

Srinivasan.T, Vetre Selvan.E, Naveen.E, Ramanan

RSRI Conference on Materials and Computational Intelligence (RSRI CMCI 2021) , Vol. (2021) , pp.

### **6. Surface Characterization, Film Deposition of CrN 6959**

Srinivasan.T, Vetre Selvan.E, Naveen.E, Ramanan

RSRI Conference on Materials and Computational Intelligence (RSRI CMCI 2021) , Vol. (2021) , pp.

**7. Experimental investigation of various techniques to adapt waste plastic oil as fuel on diesel**

Srinivasan.T, Vetre Selvan.E, Naveen.E, Ramanan

RSRI Conference on Materials and Computational Intelligence (RSRI CMCI 2021) , Vol. (2021) , pp.

**8. Determination and investigation of mechanical behaviour on kenaf-sisal hybrid composite**

Vetre Selvan E.;Ponshanmugakumar A.;Ramanan N.;Naveen E.

Materials Today Proceedings , Vol. 46 (2020) , pp. 3358-3362

**9. Sustainable development of natural fiber composite material**

Balachandar M.;Vetre Selvan E.;Ponshanmugakumar A.;Magesh S.;Ramanan N.

Materials Today Proceedings , Vol. 46 (2020) , pp. 3363-3366

**10. Experimental Investigation of Various Techniques to Adapt Waste Plastic Oil as Fuel on Diesel Engine**

Vetre Selvan E, Periyasamy P, Kamaraj M, Sethu Velappan P, Ramanan, Naveen E

International e-Conference on Advancements in Materials Science and Technology , Vol. (2020) , pp.

**11. Determination of Mechanical Properties of CFRP Composite Reinforced With Abaca and Kenaf Fibers**

Vetre Selvan E, Periyasamy P, Kamaraj M, Sethu Velappan P, Ramanan, Naveen E

International e-Conference on Advancements in Materials Science and Technology , Vol. (2020) , pp. 5311-5316

**12. DEVELOPMENT OF OPTIMIZED CONCEPT SELECTION PROCESS - FUZZY LOGIC**

E.Vetre Selvan, K.Hariharan, V. Jayasurya, S. Jaiganesh, M.V. Kaviselvan

Journal of the Gujarat Research Society , Vol. 21 (2019) , pp. 17

## **MEDALS/AWARDS RECEIVED :**

1. NPTEL DISCIPLINE STARS - Jan-Apr 2025
2. NPTEL Motivated Learners - Jul-Dec 2025

## **SHORT TERM / CERTIFICATE COURSE ATTENDED:**

1. NPTEL - Advanced Machining Processes – 2022
2. NPTEL - Corrosion/Environmental Degradation/Surface Engineering – 2023
3. NPTEL - Manufacturing Process Technology I & II – 2024
4. NPTEL - Manufacturing Systems Technology I & II – 2024
5. NPTEL - Automation in Manufacturing – 2024
6. NPTEL - Manufacturing Process Technology I & II – 2025
7. NPTEL - Computer Integrated Manufacturing – 2025
8. NPTEL - Manufacturing Processes - Casting and Joining – 2025
9. NPTEL - Rapid Manufacturing – 2025
10. NPTEL - Metal Additive Manufacturing – 2025

## **FACULTY/STAFF DEVELOPMENT /TRAINING PROGRAM/ WORKSHOPS ATTENDED:**

1. Successfully Completed FDP at SIRD – Panchayat Administration and Rural Development Schemes
2. Completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "3D Printing & Design" by AICTE Training And Learning (ATAL) Academy.
3. Attended 40 hour online FDP on Applications of AI in Digital Manufacturing, conducted by NIT Warangal.
4. Attended FDP on Multi Scale Modelling of Various Metal Additive Manufacturing Processes, conducted by PALS.
5. Successfully completed FDP on “Engineering & Development, CTA & DFP6 Pump Manufacturing & Assembly, Nozzle and Injector Assembly of Fuel Injection Systems” at Delphi TVS Technologies.

## **DEPARTMENT LEVEL ACTIVITIES:**

- CAM lab incharge
- Department Industrial Visit, Implant Training Coordinator