

SRI SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING

Name: R RAJAPRASANNA	
Designation:	Assistant Professor
Qualification:	M.E.
Area of Specialization:	MANUFACTURING
Experience:	Teaching – 12 Years 07 Months
	Industry - NIL
Number of Workshops/ Conferences/ FDP Attended: National Level SEMINAR	WORKSHOP - 4 FDP - 18 SEMINAR - 01
Publication:	Journal: National: NIL International: 10
	Conference: National: NIL International: 02

Educational Qualification:

Qualification	Institution	Board /University	Year of passing	Percentage /CGPA
M.E (Manufacturing)	Madras Institute of Technology, Chennai.	Anna University	2013	7.7
B.E (Mechanical Engineering)	National Engineering College, Kovilpatti.	Anna University	2011	68 %

Professional Experience:

Sl. No	College/Organization	Designation	Period	Total period	Nature of work
1	Sri Sairam Engineering College, Chennai	Assistant Professor	July-2013 to Till Date	11 Year 11 Months	Teaching

➤ Journal Publications

- ✓ Published a Paper Titled “**Microstructure Evaluation and Fatigue Properties of Automated DC Pulsed MIG Welding of Monel 400**” in the *Journal of Materi Eng and Perform (2025)*. DOI: 10.1007/s11665-025-12707-z.
- ✓ Published a Paper Titled “**Investigation of Mechanical Properties and Effect of Process Parameters on Dissimilar Friction Stir-Welded AA7075 with AZ31B Alloy**” in the *Transactions of the Indian Institute of Metals, Volume 78, article number 152, (2025)*, DOI: 10.1007/s12666-025-03627-6.
- ✓ Published a Paper Titled “**Enhancing Tensile Strength In Dissimilar Friction Stir Welding Of Al - AA1100 Aluminum And Mg - AZ64 Alloys**” in the *AIP Conf. Proc. 3270, 020216 (2025)*, DOI: 10.1063/5.0262724.
- ✓ Published a Paper Titled “**Evaluating The Fatigue Life Of Aa3003 Aluminum Alloy Joints Welded By Friction Stir Welding: A Comparative Analysis With Tig And Mig Techniques**” in the *AIP Conf. Proc. 3270, 020218 (2025)*. DOI: 10.1063/5.0262726.

- ✓ Published a Paper Titled “**Enhancing Glass Fiber-Reinforced Composites: Carbon Nanostructures Using Alternative Catalysts For Improved Interfacial Bonding**” in the *AIP Conf. Proc. 3270, 020250 (2025)* DOI: 10.1063/5.0261788.
- ✓ Published a Paper Titled “**Investigation On The Mechanical And Wear Behavior of TIC Reinforced AZ64 Magnesium Alloy Composites**” in the *AIP Conf. Proc. 3270, 020245 (2025)* DOI: 10.1063/5.0270147.
- ✓ Published a Paper Titled “**Next-Generation Electrochemical Oxidation Techniques For The Degradation Of Per-And Polyfluoroalkyl Substances (Pfas) In Complex Soil Matrixes**” in the *Oxidation Communications*.
- ✓ Published a Paper Titled “**Analyzing the Emission Characteristics of a Catalytic Converter using a Nano-ZnO Coating**” in the “*Journal of Physics: Conference Series*” DOI : 10.1088/1742-6596/2272/1/012008.
- ✓ Published a Paper Titled “**Characterizations On Hybrid Of Caustic Treated Natural And Glass Fiber Composites**” in the “*Materials Today: Proceedings, Volume 33, Part 7, 2020, Pages A5*” DOI : 10.1016/j.matpr.2020.07.669.
- ✓ Published a Paper Titled “**Physical Properties of Glass-Hemp-Banana Hybrid Fiber Reinforced Polymer Composites**” in the *Indian Journal of Science and Technology*, Vol 10(7), February 2017, ISSN (Print): 0974-6846 and ISSN (Online) : 0974-5645, DOI: 10.17485/ijst/2017/v10i7/103310.

➤ **FDP Attended**

- ✓ Participated in a **Three days** Faculty Development Program on “**Computer Aided Design and Usage of Software**”, organised by Department of Mechanical Engineering, Sri Sairam Engineering College from 04-Aug-2016 to 06-Aug-2016, Chennai.
- ✓ Participated in a **Two days FDP** course on “**Teaching Excellence in Engineering & Management Curriculum**” organised by Sri Sairam Engineering College from 20-Jun-2016 to 21 –Jun 2016.

- ✓ Participated in a **Two Weeks** Faculty Development Program on “**Processing and Characterization of Composite Materials Including Natural Fiber reinforce Composites**”, organised by Department of Mechanical Engineering, Sri Sairam Institute of Technology from 18-March-2015 to 06-March-2015, Chennai.
- ✓ Participated in a **Two Weeks** Faculty Development Program on “**Advancement in Materials, Manufacturing Processes and Management**”, organised by Department of Mechanical Engineering, Sri Sairam Engineering College from 04- Nov-2013 to 16-Nov-2013, Chennai.
- ✓ Participated and successfully completed AICTE Training And Learning (ATAL) Academy Online FDP on “**Operations Management**”, organised by Shiv Nadar University from 19- Dec-2020 to 23-Dec-2020.
- ✓ Participated and successfully completed AICTE Training And Learning (ATAL) Academy Online FDP on “**Product Design**”, organised by College of Engineering Trivandrum from 04-Jan-2021 to 08-Jan-2021.
- ✓ Participated and successfully completed AICTE Training And Learning (ATAL) Academy Online FDP on “**Novel Materials**”, organised by Shri Shankaracharya Technical Campus – Shri Shankaracharya Group of Institutions from 02-Nov-2020 to 06-Nov-2020.
- ✓ Participated and successfully completed AICTE Training And Learning (ATAL) Academy Online FDP on “**Micro-electromechanical Systems**”, organised by Sardar Patel College of Engineering from 23-Nov-2020 to 27-Nov-2020.
- ✓ Participated in the Online AICTE Recognized Faculty Development Programme on “**Recent Advances in Material Characterization**”, organised by Mechanical Engineering Department, NITTTR Chandigarh from 23-May-2020 to 28-May-2020.
- ✓ Attended the 7-day Faculty Development Program on “**Ethical Practices in Engineering**”, organised by Department of Mechanical Engineering, Sri Sairam Engineering College, Chennai from 28-May-2020 to 03-Jun-2020.
- ✓ Participated in the Online Faculty Development Programme on the course “**Concept of Thermodynamics, Fluid Mechanics and Dynamics for Mechanical Engineers**”, organized by Department of Mechanical Engineering, SRM Valliammai Engineering College from 11-

May-2020 to 15-May-2020.

✓ Participated in the 6 Days Online Faculty Development Programme on '**Welding for Additive Manufacturing**' organized by Indian Welding Society (IWS) forum in connection with Department of Mechanical Engineering, Coimbatore Institute of Engineering and Technology, Coimbatore, Tamil Nadu from 10-Jun-2020 to 15-Jun-2020.

✓ Successfully completed the NPTEL-AICTE Faculty Development Programme on the course "**Manufacturing Process Technology - I & II**" from Jan-2024 to Apr-2024.

✓ Participated and successfully completed the One-Week Faculty Development Program on "**Technological Advancement in Synthesis of Novel Materials**" organized by the Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology (A), Hyderabad from 05-Aug-2024 to 10-Aug-2024.

✓ Successfully completed the NPTEL-AICTE Faculty Development Programme on the course "**Mechanics Of Machining**" from Jan-2025 to March-2025.

✓ Successfully completed the NPTEL-AICTE Faculty Development Programme on the course "**Product Design and Development**" from July-2025 to August-2025.

✓ Successfully completed the NPTEL-AICTE Faculty Development Programme on the course "**Welding Application Technology**" from July-2025 to September-2025.

✓ Successfully completed the NPTEL-AICTE Faculty Development Programme on the course "**Automation in Manufacturing**" from July-2025 to October-2025.

➤ **Workshops Attended**

✓ Two days Workshop on "**International Virtual Workshop on Advancements in Design and Materials for Product Development**" organized by VIT University - Chennai Campus on 3rd and 4th October 2020.

✓ One day Workshop on "**Value Engineering Using ANSYS**" organized by Sri Sairam Engineering College - Chennai on 19 August 2016.

✓ One day National Workshop on "**National Workshop on Reverse Engineering**" organized by VIT University - Chennai Campus on 30th Jan 2016.

✓ One day Workshop on “**Role of lean manufacturing on organization Competitiveness**” organized by Sri Sairam Engineering College-Chennai on 28 August 2014.

➤ **Seminar Attended**

✓ Two days programme on “**Enviroment Management in Industrial Sectors – Status and Needs**” organized by organised by Department of Mechanical Engineering, Sri Sairam Engineering College from 24-July-2014 and 25-July- 2014, Chennai.