SRI SAI RAM ENGINEERING COLLEGE

DEPARTMENT OF MECHANICAL ENGINEERING

Name: **Dr. C. Parswajinan**

Designation	: Associate Professor
Qualification	: B.E., M.Tech., Ph.D, C.Engg.,
Area of Specialization	: Composite Materials
Experience	: Teaching – 16 Years (As on 30.06.2025) : Industry- 1 Year 5 Months
Email ID	: parswajinan.mech@sairam.edu.in
Contact No.	**:** 9840494561
Postal Address	**:** Department of Mechanical Engineering Sri Sai Ram Engineering College, Sai Leo Nagar, West Tambaram Chennai - 600044 Tamil Nadu.

Professional Experience:

S.No	College/Organization	Designation	Period	Total Period	Nature of work
1	Sri Sai Ram Engineering College	Associate Professor	June 2019 to Till Date	6 Years 1 Month	Teaching
2	Sri Sai Ram Engineering College	Assistant Professor	Oct 2012 to May 2019	6 Years 8 Months	Teaching
3	Apollo Engineering College	Assistant Professor	July 2010 to Oct 2012	2 Year 3 Months	Teaching
4	Balaji Institute of Engineering & Technology	Lecturer	Jun 2009 to Jul 2010	1 Year 1 Month	Teaching
5	Ambeesoft Technologies	Software Engineer	Sep 2007 to Feb 2009	1 Year 5 Months	Programmer

Educational Qualification:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
Doctorate	Ph.D	Composite Materials	2019	SCSVMV University	SCSVMV University	NA	NA
PG	M.Tech.	CAD	2013	SRM University	SRM University	6.97	I
UG	B.E.	Mechanical Engg.	2007	MNMJEC	Anna University	67	I

Roles and Responsibilities(Institution Level):

1. Institution of Engineers - Advisor
2. Internal Examination Cell - Executer
3. Vidwan, Irins Portal - Strategist
4. Research and Development - Executer
5. NAAC Criteria 3 - Member

Roles and Responsibilities(Department Level):

1. Year Coordinator
2. Class Coordinator
3. Project Coordinator
4. Vidwan, Irins Portal - Coordinator
5. NBA Criteria 3 - Member
6. hBaja/mBaja - Coordinator

Achievements

International Conference (s) :

1. A review on Composite Materials with Ferrous, CNT and Powder Metallurgy, ICMME 2015, SCSVMV University

2. Design and Fabrication of Impact Die for Powder Metallurgy, TC-IFES 2015, Central Leather Research Institute.

3. Experimental Investigation of Mechanical and Chemical Properties of Aluminium reinforced with MWCNT, ICAMME 2014, Sri Sai Ram Institute of TechnologyDesign and Surface Characteristic Analysis of Nano Iron, ICCIAMR 2013, Vels University.

National Conference (s) :

Experimental Investigation on Surface Characteristics of Nano Iron", National Conference on Advances in Mechanical Engineering – NCAME'13.

PATENT DETAILS:

S. No.	**Application No./ Design No.**	**Title**	**Status**	**Type**
1	201941052769	NATURAL FIBRE PARTICLE REINFORCED COMPOSITES	Published	Utility
2	202241077103	Design and Fabrication of Customised shock Absorber for off-Road Vehicles	Published	Utility
3	202241077104	Carbonation calcination cycle integrated exhaust with electrostatic precipitator and catalytic converter	Published	Utility
4	202441024973	Design and Fabrication of Electric Vehicle for physically challenged person	Published	Utility
5	371657-001	AUTOMATIC PAINT MIXER GUN WITH ALIGNER	Registered	Design
6	425040-001	MINI CORN SHELLING MACHINE	Registered	Design
7	417740-001	WIRELESS AGRICULTURAL CULTIVATING MACHINE	Registered	Design

International Journal Publications

1. Design and Analysis of CVT Cooling System
   Published in Journal of Physics: Conference Series
   DOI: 10.1088/1742-6596/2837/1/012094
2. Review on Tribological and Machining Characteristics of Kevlar Composites
   Published in Journal of Physics: Conference Series
   DOI:10.1088/1742-6596/2837/1/012038
3. Flexible Polymer Solar Cells with High Efficiency and Good Mechanical Stability
   Published in International Journal of Photoenergy
   DOI:10.1155/2022/4931922
4. Determination of Mechanical Behavior of Al–CNT
   Published in Encyclopedia of Materials: Metals and Alloys
   DOI: 10.1016/B978-0-12-819726-4.00121-6
5. Multi Component Drill Jig for Brake Lining Component
   Published in Materials Today: Proceedings
   DOI:10.1016/J.MATPR.2021.02.342
   A review on aluminium metal matrix composites
   Published in Materials Today: Proceedings
   DOI:10.1016/J.MATPR.2021.03.600
6. OptimizationofAl-SiC-MWCNTmetalcompositebyW-EDMusingTaguchimethod
   Published in IOP Conference Series: Materials Science and Engineering

DOI:10.1088/1757-899X/954/1/012033

7. An Investigation on Wear Behaviour of CNT Reinforced Al-SiC Metal matrix Composites
   Published in International Journal of Mechanical and Production Engineering Research and Development
   DOI:10.24247/IJMPERDJUN201918
8. Investigation of Mechanical properties of Aluminium reinforced Fly ash with CNT
   Published in IOP Conference Series: Materials Science and Engineering
   DOI:10.1088/1757-899X/390/1/012032
9. Hardness and impact behaviour of aluminium metal matrix composite
   Published in IOP Conference Series: Materials Science and Engineering
   DOI: 10.1088/1757-899X/390/1/012075
10. Mechanical Investigation of Aluminum Hybrid Composite Reinforced with CNT and Aluminum Oxide (Al2O3)
    Published in Advanced Science, Engineering and Medicine
    DOI: 10.1166/ASEM.2018.2136
11. Investigations of Mechanical Properties of Aluminium Matrix Composite Reinforced with B4C and MWCNT
    Published in Advanced Science, Engineering and Medicine
    DOI: 10.1166/ASEM.2018.2148
12. Mechanical Behavior of Aluminium Metal Matrix Composite
    Published in Advanced Science, Engineering and Medicine
    DOI: 10.1166/ASEM.2018.2179
13. Design and fabrication of Impact Die for Powder Metallurgy
    Published in Materials Today: Proceedings

DOI:10.1016/J.MATPR.2017.11.089
14. Determination of Mechanical Behaviour of Fe-CNT MMC
Published in Materials Today: Proceedings
DOI:10.1016/J.MATPR.2017.11.199
15. A Review on Composite Materials with Ferrous, CNT and Powder Metallurgy
Published in Applied Mechanics and Materials
DOI:10.4028/WWW.SCIENTIFIC.NET/AMM.813-814.9
16. Experimental Investigation of Mechanical and Chemical Properties of Aluminium reinforced with MWCNT
Published in Applied Mechanics and Materials
DOI:10.4028/WWW.SCIENTIFIC.NET/AMM.766-767.287
17. Experimental Investigation on Compression and Chemical Properties of Aluminium Nano Composite
Published in Applied Mechanics and Materials
DOI: 10.4028/WWW.SCIENTIFIC.NET/AMM.680.7
18. A Review on CNT Reinforced Aluminium and Magnesium Matrix Composites
Published in Applied Mechanics and Materials
DOI:10.4028/WWW.SCIENTIFIC.NET/AMM.591.120
19. Evaluation of mechanical properties of aluminium alloy-alumina-boron carbide metal matrix composites
Published in Materials& Design
DOI:10.1016/J.MATDES.2014.01.068
20. Investigation on Mechanical Properties of Nano Ferrous Composite
Published in Procedia Engineering

DOI:10.1016/J.PROENG.2014.12.276

Programs Attended:

1. Faculty Development Program “Computer Aided Design and Usage of Software” - Dept of mechanical Engineering-Sri Sai Ram Engineering College. From 4.8.2016 to 6.8.2016.

2. Industry-Institution Interaction Event: Environment Management in Industrial Sectors-Status and Needs; Department of Mechanical Engineering, Sri Sai Ram Engineering College from 24.7-2014 to 25.7.2014.

3. Faculty Development Program “Advancements in materials, Manufacturing Processes and Management Systems”-Dept of mechanical Engineering-Sri Sai Ram Engineering College. From 4.11.2013 to 16.11.2013.

4. Faculty Development Program, “Finite Element Analysis” held at St. Joseph’s Engineering College.

5. One day workshop titled " Finite element analysis tools and its applications” on 19-7-2012 Department of Mechanical Engineering, Sri Sai Ram Engineering College.

6. Faculty Development Training Programme on Automobile Engineering from 29.11.2017 to 05.12.2017, Department of Mechanical Engineering, Sri Sai Ram Engineering College.

7. Faculty Development Program on Introduction to Autodesk Fusion 360 by ICT Academy held on 22.04.2019 to 23.04.2019, Sri Sai Ram Engineering College.

8. Faculty Development Program on Decision Making Skills by ICT Academy held on 20.02.2019 to 21.02.2019, New Prince Bhavani Arts & Science College.

9. AICTE Sponsored STTP on Natural Fibre Composites – Recent Technology for Sustainability and Eco-Friendly Environment from 24.06.2019 to 29.06.2019, Sri Sai Ram Engineering College.

10. ISTE Sponsored FDP on Robotics from 13.05.2019 to 18.05.2019, Sri Sai Ram Engineering College.

11. Faculty Development Training Program on ME6401 – Kinematics of Machinery, Sri Sai Ram Institute of Technology, Chennai from 15.12.2016 to 22.12.2016.

12. National Level Workshop on Multi-objective optimization on 04.09.2014, St.Joseph’s College of Engineering, Chennai.

13. One day workshop on Green Composites on 27.08.2014, Sri Sai Ram Institute of Technology.

14. One day workshop on Role of Lean Manufacturing on organization competitiveness on 28.08.2014, Sri Sai Ram Institute of Technology.