


**SRI SAI RAM ENGINEERING COLLEGE, CHENNAI**

**DEPARTMENT OF MECHANICAL ENGINEERING**

<b>Name: Mr. P. VIJAYA RAJAN</b>  (vijayarajan.mech@sairam.edu.in)	
Designation:	<b>ASSISTANT PROFESSOR</b>
Qualification:	<b>M.E</b>
Area of Specialization:	<b>PRODUCTION ENGINEERING</b>
Experience:	<b>Teaching: 10.6 Years</b>
	Industry:   NIL
Number of Workshops/ Conferences/ FDP Attended:	WORKSHOP: 08 FDP: 07 ATAL FDP: 03 Online Courses: 12 NPTEL : 01 NITTR: 01
Publication:	<b>Journal:</b>  National: NIL  International: 13
	<b>Conference:</b>  National: 04  International: 04
General:	<b>Events organized:</b> Workshop : 01 FDP : 04 National Level Quiz: 01 <b>Journal Reviewer :</b> Materials Today - Proceedings

### Qualification Details

Course	Institution	Year of passing	Board/University	Class
M.E	PSG College of Technology	2011	Anna University	First
B.E	PSNA College of Engineering and Technology	2009	Anna University	First

### Professional Experience:

Sl. No	College/Organization	Designation	Period		Total period
			From	To	
1	INFANT JESUS College of Engineering and Technology, Tuticorin	Assistant Professor	18.7.2011	25.05.2015	3 yrs., 10 Months
2	SRI SAIRAM ENGINEERING COLLEGE, Chennai-44	Assistant Professor	05.06.2015	---	Till Date

### Journals

- Published an article “**Agile Product Development in Submersible Pump through CAD Modeling (CFD)**” in Emerging Technology and Advance Engineering (ISSN 2250- 2459 Online) Vol 2, Issue 11/62, Nov 2012.
- Published an article “**Active Schedule Generation Using Priority Dispatching Rule Algorithm for Lean Manufacturing**” in Emerging Technology and Advance Engineering (ISSN 2250- 2459 Online) Vol 3, Issue 1/64, Jan 2013
- Published an article “**Review on Nano Fabrication and Application**” in Advanced Materials Research Vols. 984-985 pp 508-513, 2014.
- Published an article “**Numerical Simulation of Bullet Proof Vest Using Finite Element Method under Impact loading**” in International Journal of Engineering Development and Research (ISSN: 2321-9939 Online) Volume 3, Issue 1, 2014.
- Published an article “**Experimental Investigation on Thermophysical Properties of Nanofluids**” in Journal of Emerging Technologies and Innovative Research (ISSN-2349-5162 Online), Volume 2, Issue 3, March 2015.
- Published an article “**Investigation of Aluminum Based Metal Matrix Composite on Microstructure**” in International Journal of Applied Engineering Research (ISSN 0973-4562) Volume 10, April 2015.

- Published an article “**Modelling and Analysis of Wear Prediction in Machining of Nano Based GFRP Composites Using RSM**” in International Journal of Engineering Research in Africa International Journal of Engineering Research in Africa Vol. 20 (2016) pp 3-11.
- Published an article **A Comparative Study and Flow Analysis of Multiple Branch Pipe Flow Header used in Tube Heat Exchangers**” in Indian Journal of Science and Technology, Vol 9(48), December 2016.
- Published an article “**Design and Analysis of Composite Leaf Spring under Fatigue Load Condition**” in International Journal of Engineering Technology Research & Management.
- Published an article “**Optimization of Injection Moulding Mould Flow Analysis Using Taguchi Approach**” in International Journal of Pure and Applied Mathematics (ISSN: 1311-8080) Volume 118 No. 11 2018.
- Published an article “**Auxillary Safety Locking System of Vehicle Doors using Arduino**” in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-1, November 2019.
- Published an article “**Enhancing the Insulation of Transformer Winding Using Nano-Alumina/Epoxy Composites**” in Solid State Technology Volume: 63 Issue: 5 November 2020.
- Published an article “**Automation in communication system for automobiles using Arduino**” in Materials, Mechanics & Modeling (NCMMM-2020), AIP Conference Proceedings 2341, 020005 (2021) ISSN-0094-243X , 13 May 2021

## Conference

- Presented a paper “Agile Product Development in Submersible Pump through CAD Modeling” in **National conference, on Product Design and Manufacturing, (NCPDM’ 11)** Organized by Department of Production Engineering, held at PSG College of Technology on 29 April 2011.
- Presented a paper “Agile Product Development” in **National conference on Recent Research in Mechanical Engineering (RRME’11)** Organized by Department of Mechanical Engineering, held at ADTHIPARASAKTHI Engineering College on 05 May 2011.
- Presented a paper “Review on Nano Fabrication and Application” in **International conference on Recent Advance in Mechanical Engineering and Interdisciplinary Developments (ICRAMID 14)**, Organized by Department of Mechanical Engineering, held at PONJESLY College of Engineering on 7<sup>th</sup> & 8<sup>th</sup> March 2014.
- Presented a paper in “Design and Fabrication of Hybrid Technology Two Wheeler” in **National conference on Emerging Trends in Thermal, Industrial and Manufacturing Engineering (e-TIME 14)**, Organized by Department of Mechanical Engineering, held at KARPAGAM College of engineering on 28<sup>th</sup> March 2014.

- Presented a paper in “Analysis of Greensand Mold for Aluminum Casting Using Fly Ash Casting” in **International Conference on Recent Trends in Mechanical and Civil Engineering**, Organized by Department of Mechanical and Civil Engineering held at CHRISTIAN College of Engineering & Technology on 16<sup>th</sup> to 18<sup>th</sup> March 2017.
- Presented a paper in “Operation Enhancement for Brake Drum Process Using Value Stream Mapping” in **SEEE Sponsored 12<sup>th</sup> International Conference on Intelligent Systems and Control (ISCO)**, Organized by Department of Mechanical Engineering, held at KARPAGAM College of engineering on 5<sup>th</sup> and 6<sup>th</sup> January 2018.
- Presented a paper in “Fuzzy Based Car for the Physically Disabled” in **National Conference on Mathematical Modelling and Computation 2020**, Organized by Department of Mechanical Engineering held at Coimbatore institute of Technology on 14<sup>th</sup> to 15<sup>th</sup> February 2020.
- Presented a paper in “SEMI-AUTOMATIC HULLER MACHINE – A PRODUCT DEVELOPMENT” in **International Conference on Emerging approaches in Mechanical & Automobile Engineering (ICEAMAE’21) 2021**, Organized by Department of Mechanical Engineering and Automobile Engineering held at Arasu Engineering College on 17<sup>th</sup> to 18<sup>th</sup> March 2021.

**P. Vijaya Rajan**