

SRI SAI RAM ENGINEERING COLLEGE

DEPARTMENT OF MECHANICAL ENGINEERING

Name: Dr. N. VASUDEVAN

Contact Detail :

Email : vasudevan.mech@sairam.edu.in

Contact No : 80728 47511



Designation:

Qualification:

Area of Specialization:

Experience:

Associate Professor

B.E., M.E. (CIM), Ph.D.

Mechanical Engineering

Teaching- 25 Years

Research : 15 Years

❖ Educational Qualification:

Category	Name of the Degree	Name of the University	College	Specialization
UG	B.E	Madras University	St.Peter's Engineering College ,Chennai	Mechanical Engineering
PG	M.E	Anna University	College Of Engineering ,Guindy ,Chennai	Computer Integrated Manufacturing
Ph.D.	Ph.D.	Anna University	Madras Institute of Technology ,Chennai	Mechanical Engineering

❖ Research Area :

Title of Ph.D. Thesis: Effects of cryogenic treatment on mechanical and corrosion behavior of friction stir Welded AA5083 thick plates.

Faculty in which Ph.D. was awarded : Mechanical Engineering

Area of specialization in Ph.D. : Mechanical Engineering

❖ Professional Experience:

Sl. No	College/Organization	Designation	Period		Total period	Nature of work
			From	To		
1.	Sri Sai Ram Engineering College	Associate Professor	01.08.2012 -	Till Date	13 Years –Till	Teaching
2.	Sri Sai Ram Engineering College	Assistant professor	03.08.2012 –	31.07.12	2 Yr 11 M 28 D	Teaching
3.	Sri Muthukumaran Institute of Technology	Assistant professor	15.07.2008-	31.07.09	1 Yr 0 M 16 D	Teaching
4.	Sri Muthukumaran Institute of Technology	Senior Lecturer	11.11.2005-	14.07.08	2 Yr 8M 02 D	Teaching
5.	Sri Muthukumaran Institute of Technology	Lecturer	10.10.2000-	10.11.05	5 Yr 01M	Teaching

❖ Teaching & Research Experience:

- Teaching: | Under Graduate : 24 years | Post Graduate : 15 years |
- Research: | 15+ years | Ph.D. Supervisor, Anna University |
- Former Visiting Faculty | Dept. of Production Technology , MIT | Anna University (2012 –15) |

❖ Technical & Research Specializations:

- Cryogenics-assisted Materials Processing
- Composites Fabrication.
- Friction Stir Welding.

❖ Entrepreneurial Specializations:

- Entrepreneurship Mentoring
- Counseling Psychology.
- Post Graduated M.Sc. (Psychology) from Madras University.

❖ Institutional Leadership & Innovation Roles:

- Associate Professor | Sri Sairam Engineering College | Since 2009 - **Present** |
- Coordinator, | DST funded - IEDC | Startup Activity Coordinator, IIC – MoE |
- IIC Ambassador, MHRD | Mentor of Change, Atal Innovation Mission. |

❖ Research / Innovation - National Funded Projects, Government of India:

- **Role:** Team Leader - Principal Investigator | **AICTE-funded** "PCM assisted cold storage Flask for Mother's Milk" | ₹ 6 Lakhs – National Yukti Innovation Challenge 2024 -25 | **In Progress** |
- **Role:** Coordinator | Innovation and Entrepreneurship Development Centre | **DST (IEDC)** | 2012-17 | Department of Science and Technology funded | ₹ 45.5 Lakhs | **Completed** |
- **Role:** Coordinator | *Entrepreneurship Awareness Camps (EAC)* | Supported by Prestigious EDII , Gujarat | National Science & Technology Entrepreneurship Development Board (**NSTEDB**), Government of India | Funded Project : ₹ 3 Lakhs | *Period:2013-2014,2014-2015,2015-2016,2016-17,2017-18,2019-20.* | **Completed** |
- **Role:** Co- Principal Investigator | **DST funded** | Green Energy farm | ₹ 21 Lakhs | 2020 | **Completed** |
- **Role:** Co- Principal Investigator | **AICTE funded** | Research Promotion Scheme (RPS) | Cryo Processing of Materials | ₹12.5 Lakhs | **Completed** |

❖ Invention Patent:

- **Patent:** PCM-Assisted Cold Storage Flask | Granted | Invention Patent No. 393422 | Intellectual Property India 2022 | 20 Years term Validity | **Present** |

❖ Invited Lectures & Conferences:

- **Resource Person** in 52+ events (FDPs, Guest lectures and Conferences)
- **Delivered Expert Talk** on Entrepreneurship | EDII–NSTEDB IEDC |
- **Jury** | Tamil Nadu -School Innovation Development Project (SIDP) | Chengalpattu Dist 2024 |
- **Workshops / Attended** - 32 | 26 FDPs | 21 Conferences |
- **Workshops /Organized:** 2 Manufacturing FDPs • 1 Environmental Workshop |
- **Entrepreneurship Camps** | 14 Camps | Govt funded | DST/EDII/NSTEDB |

❖ Publications & Authorship:

- **Research Papers** | Published – 02 SCI - 08 Scopus | 10 International Journals |
- **Books** | Co-Author: Engineering textbook (Civil & Mechanical domains) |
- **Book Chapter** | Co-Author | Autonomous UAV : innovations and Applications |

❖ Consultancy & Professional Engagement:

- **Vasudevan Neelamegam** | Director Identification Number (DIN) : 07766149 | Registered with the Registrar of Companies (ROC) , Ministry of Corporate Affairs (MCA) | **Present** |
- **Director:** Pammal Makkal Nala Nidhi Ltd. (Finance & Market Analytics) | Registered with the Registrar of Companies (ROC) , Ministry of Corporate Affairs (MCA) |CIN: U65992TN1985PLC012170 | **Present** |
- **Director:** Chill Chozha Refro Solutions Private Limited | Registered with the Registrar of Companies (ROC), Ministry of Corporate Affairs (MCA Chennai | CIN U32909TN2025PTC176890. | **Present** |
- Director | iLearning Gateway India Inc | 2005–2009 |

❖ Startup Engagement:

- **Consultant:** Super Sea Food Products (Tuticorin) | Rajan Engineering (Chennai) |
- **Director:** Chill Chozha Refro Solutions Private Limited | Registered with the Registrar of Companies (ROC), Ministry of Corporate Affairs (MCA Chennai | CIN U32909TN2025PTC176890. | **Present** |

❖ Leadership & Social Contributions:

- **Executive Committee Member** | Sivananda Saraswathi Sevashram (NGO) | **Present** |
- **Secretary** | Pammal Tamil Sangam | **Present**
- **Educational Counselor** | Sivananda Gurukulam | 2000–2004 |
- **Charter President** , Rotary Club of Pallavaram Central | **222730** | RID 3231 |
- **District Vice Chairman** | Rotary Literacy Mission , | 2022-23 | RID 3231 |
- **District Chairman** | Social Innovation | 2023-24 | RID 3231 |
- **District Chairman** | School Competitions | 2024-25 | **Present** |

❖ Awards & Recognition:

- **Rajyapuraskar Award**, Governor of Tamil Nadu (Scouts, 1991)
- **Best Teacher Award**, Sri Muthukumaran Institute of Technology (2005)
- **Best Outgoing President**, Rotary District 3231 (2021)
- **Faculty Excellence Award**, Sairam Engineering College (100% pass result)

❖ Technical & Soft Skills:

- Cryogenic & Material Processing | Patent Filing | Research | Leadership
- Project Coordination | Entrepreneurship Mentorship | Counseling Psychology
- Workshop/Conference Organization | Stakeholder Engagement.