


SRI SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING

Name: Mr. S.GANAPATHY	
Designation:	Assistant Professor
Qualification:	M.Tech., (Ph.D)
Area of Specialization:	CAD
Experience:	Teaching – 8Years 8 Months
	Industry- Nil
Number of Workshops/ Conferences/ FDP Attended:	WORKSHOP- 07 NATIONAL/INT. CONFERENCE- 03 FDP - 06
Publication:	Journal: National - 02 International - 05
	Conference: National: - International: 02
General:	Mail Id: ganapathy.mech@sairam.edu.in Mobile No: +919677991321
Staff Achievement	<ul style="list-style-type: none"> Secured 100% results in Engineering Economics and Cost Analysis (EECA), Engineering Graphics, and Total Quality Management (TQM) in Anna university examinations. Elite in NPTEL Online Certification for the course

	<p>“Fluid Machines”.</p> <ul style="list-style-type: none"> SERB – TARE Funded Project (Rs 18,30,000) <p>Duration (3Years) – “Optimization of design parameters of a Green energy double helical two blade hydrofoil hydrokinetic turbines based on water flume tests and validation by deployment at the sites”.</p>
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Academic Background

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
P.hD		Composite Materials	Pursuing	Annamalai University, Chidambaram	Annamalai University	-	-
PG	M.Tech	CAD	2014	Bharathiyar College Of Engineering and Technology, Karaikal	Pondicherry University	8.78	I (Distinction)
UG	B.Tech	Mechanical	2011	Bharathiyar College Of Engineering and Technology, Karaikal	Pondicherry University	7.86	I
Diploma			2008	Krishnasamy Memorial Polytechnic College, Cuddalore	DOTTE	76.08	I (Honours)
SSLC			2005	St Joseph's Higher Secondary School	Tamil Nadu State Board	60.8	I

Professional Experience: 7 Years 1 Months.

Sl. No	College/Organization	Designation	Period		Total period	Nature of work
			From	To		
1.	Sri Sairam Engineering College, West Tambaram, Chennai - 44	Assssistant Professor	09.06.2014	Till Date	7 Years 8 Months	Teaching, Guiding UG projects and Class Counselor
2.	Rajiv Gandhi College of Engineering and Technology, Kirumambakkam, Puducherry - 402	Teaching Assistant	03.10.2011	03.10.2012	1 Year	Teaching

International Conferences Attended: 03

Papers published in the international conferences: 01

Short Term Course (Refresher courses) Attended: - 01 (NITTT), 02 (NPTEL), 13 (Coursera, Future Skills, Udmy)

Faculty/Staff Development /Training Program (Orientation programmes) Attended: 9

Resource person In FDP: -

Workshops Attended: 7

Events organized: 1

Funded Projects: 1(Sanctioned)

International Conferences Attended:

- Attended Three days 2nd International Conference on The International Mechanical Engineering Congress - IMEC 2019 held on 29.11.19 to 01.12.19 conducted by National Institute of Technology, Tiruchirappalli - 620015.
- Attended two days International Conference on Engineering Materials, Metallurgy and Manufacturing – ICEMMM 2018 held on 15.02.18 & 16.02.18 conducted by SSN College of Engineering, Chennai-10.
- Attended two days International Conference on Mechanical, Materials and Manufacturing Systems – ICMMS 2016 held on 24.02.16 & 25.02.16 conducted by Sri Sairam Engineering College, Chennai-44.

Papers published in the National / International conferences:

International Conferences:

- Ashokgandhi R, Raghunath B K, Palanikumar K, Jayaseelan V and **Ganapathy S**, 2015, “Optimization of Wear Characteristics of Polypropylene (PP)-Carbon Nano Tube (CNT) Using Taguchi Table”, Proceedings of International Conference on Advanced Nanomaterials: Synthesis and Applications, PP. 141-144, K.S Rangasamy College of Technology, Tiruchengode, India.

Short Term Course (Refresher courses) Attended:

- TEQIP - III sponsored Short Term Training Programme on “Computer Aided Engineering (CAE): Tools and Techniques” conducted by Department of Mechanical Engineering, Pondicherry Engineering College, Puducherry – 605014 from 18.11.2019 to 22.11.2019.
- Short Term Course on “Quantitative Research Techniques and Tools for Engineers and Researchers” held on 10.06.13 to 14.06.13 conducted by National Institute of Technology, Tiruchirappalli - 15.

Faculty/Staff Development /Training Program (Orientation programmes) Attended:

- Online AICTE ATAL Faculty Development Programme on “Design and Optimization of EV Charging Technology in Smart Grid Platform” conducted by Puducherry Technological University, Puducherry from 13.09.2021 to 17.09.2021.
- Online AICTE ATAL Faculty Development Programme on “Processing of Novel Materials” conducted by Indian Institute Of Technology (Bhu) Varanasi. from 20.09.2021 to 24.09.2021.
- Online AICTE ATAL Faculty Development Programme on “Electric Vehicles” conducted by National Institute of Technology, Puducherry from 02.10.2020 to 09.10.2020.
- Online AICTE ATAL Faculty Development Programme on “3D Printing and Design” conducted by University college of Engineering (Autonomous), from 02.11.2020 to 06.11.2020.
- Online Faculty Development Programme on “Welding for Additive Manufacturing” conducted by Coimbatore Institute of Engineering and Technology, Coimbatore – 641109 from 10.06.2020 to 15.06.2020.
- ISTE sponsored Faculty Development Programme on “Robotics” conducted by Department of Mechanical Engineering, Sri Sairam Engineering College from 13.05.19 to 18.05.19.
- ISTE sponsored Faculty Development Programme on “Working Culture for Professionals” conducted by Department of Mechanical Engineering, Sri Sairam Engineering College from 11.11.19 to 16.11.19.

- Faculty Development Programme on “Autodesk Inventor” conducted by ICT Academy in Association with Sri Sairam Institute of Technology, Chennai-44 from 04.06.2018 to 08.06.2018.
- AICTE sponsored Faculty Development Programme on “Processing and Characterization of Composite Materials Including Natural Fiber Reinforced Composites” conducted by Department of Mechanical Engineering, Sri Sairam Institute of Technology from 18.03.2015 to 31.03.2015.

Workshops Attended:

- Attended one day workshop on “IPR Arena – Patent Filling Procedure” on 21.06.18 conducted by Sri Sairam Engineering College, Chennai-44.
- Attended Three days workshop on “Creo Parametric 3D Modelling Software and its Applications” from 13.06.18 to 15.06.18 conducted by CADOpt Technologies in Association with Sri Sairam Engineering College, Chennai-44.
- Attended one day workshop on “Value Engineering using Ansys” on 19.08.2016 conducted by CADD Centre in Association with Sri Sairam Engineering College, Chennai-44.
- Attended one day workshop on “Reverse Engineering – Industry Solution” held on 30.01.2016 conducted by VIT University Chennai Campus, Chennai – 27.
- Attended one day workshop on “Role of Lean Manufacturing on Organization Competitiveness” held on 28.08.2014 conducted by Sri Sairam Engineering College, Chennai-44.
- Attended two days Industry-Institution Interaction Event on “Environment Management in Industrial Sectors – Status and Needs” held on 24.07.14 to 25.07.14 conducted by Sri Sairam Engineering College, Chennai-44.
- Attended two days workshop on “Emerging Materials and Applications” held on 02.03.2012 to 03.03.2012 conducted by Aarupadi Veedu Institute of Technology, OMR, Paiyanoor - 04.

Events organized:

- Six days Value Added Training Programme on “CREO Parametric 3D Modelling” from 03.02.2020 to 08.02.2020

Funded Projects:

- **SERB TARE Funded Project Title:** “Optimization of design parameters of a Green energy double helical two blade hydrofoil hydrokinetic turbines based on water flume tests and validation by deployment at the sites” in TEACHERS ASSOCIATESHIP FOR RESEARCH. EXCELLENCE (TARE) in 2021. **Sanctioned Fund:** Rs 18,30,000. **Duration** – 3Yrs

List of publications in National / International journals:**National Journals:**

- Ashok Gandhi R, Krishnaraj S, Ravi Raj V, **Ganapathy S** and Ramachandran S, 2016, “Development and Field Trials of Ultra Low Wind Speed Vertical Axis Wind Turbine (VWAT) for Home Application”, Indian Journal of Science and Technology, ISSN: 0974-5645, Vol.9, (SI).
- **S.Ganapathy**, J.Charles, D.Magesh, M.Mohammed Ashik, D.Monishraam, S.Anandan, 2019, “Design and Development of Multi-Purpose Wheelchair for Differently-Abled Person” Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, Vol.6, Issue No:6, PP, 78-82.
- **S.Ganapathy**, R Magesh, S.Thulasiraman, B.Vasanth, S.V.Arjun, T.Sanjay Kumar, 2019, “Design and Development of Coordinate Measuring Machine Inspection Fixture for Flywheel” Journal of the Gujarat Research Society, Vol. 21 No. 17

International Journals:

- **S.Ganapathy**, P.Balasubramanian, B.Vasanth, S.Thulasiraman, 2021, “Comparative investigation of Artificial Neural Network (ANN) and Response Surface Methodology (RSM) expectation in EDM parameters” Materials Today: Proceedings, Volume 46, Part 19, Pages 9592-9596
- R.PremKumar, M.RobertPaul, J.Manikandan, G.Balamuruga Mohan Raj, **S.Ganapathy**, RamSubbiah.2021, “Evaluation of welding strength and optimization on seam welding of domex steel” Materials Today: Proceedings
- **S Ganapathy**, M Palanivendhan, P Balasubramanian, M Suresh, 2020, “Process parameter optimization on EN8 steel in Electric Discharge Machining (EDM) using

Response Surface Methodology (RSM) Technique” IOP Conference Series: Materials Science and Engineering, 993; 1: 012134

- **S. Ganapathy**, S. Krishnaraj, P. Aravinth, A. Abdul Rahuman, R. Shanmugam, 2019, “ALFA: Fly Ash - Aluminium Metal Matrix Composites for Light Weight Material” International Journal of Recent Technology and Engineering (IJRTE), Blue Eyes Intelligence Engineering & Sciences Publication, PP- 8897-8898 Vol.8, Issue.3
- Suresh. M, Babu. T, Ravinthiran. A, A. Dhanalakshmi, **S. Ganapathy**, 2019, “Effect of Sea Water Environment Exposure on Glass Fiber Reinforced Polymer Composites” International Journal of Innovative Technology and Exploring Engineering (IJITEE), Blue Eyes Intelligence Engineering & Sciences Publication, PP- 670-674, 670-674ol.9, Issue.1
- S.Krishnaraj, A.Ravinthiran, **S.Ganapathy**, A.G.S.Siddharth, K.Karan, 2019, “Automatic Solar Panel Tracking System” International Journal of Innovative Technology and Exploring Engineering (IJITEE), Blue Eyes Intelligence Engineering & Sciences Publication, PP- 670-674, 670-674ol.9, Issue.1
- **S Ganapathy**, P Balasubramanian, T Senthilvelan, R Kumar, 2018, “Multi-response Optimization of Machining Parameters in EDM Using Square-Shaped Nonferrous Electrode” Advances in Manufacturing Processes, Springer, Singapore, PP, 287-295.