



# SAI RAM ENGINEERING COLLEGE

An Autonomous Institution | Affiliated to Anna University & Approved by AICTE, New Delhi  
Accredited by NBA and NAAC 'A+' | ISO 21001 : 2018 (EQMS) Certified by BIS and NIRF ranked institution  
Sai Leo Nagar, West Tambaram, Chennai - 600 044. [www.sairam.edu.in](http://www.sairam.edu.in)



## DEPARTMENT OF MECHANICAL ENGINEERING

Name : **Dr.S.Murali**

Designation : **Professor**

Email : [murali.mech@sairamit.edu.in](mailto:murali.mech@sairamit.edu.in)

Qualification : M.E., MBA., PhD

Specialization : Manufacturing

Research Interest : **Manufacturing, Composites, Operations Management, MCDM**

Experience in years : **Teaching** UG  PG  **Industry**

No. of Workshop/Conferences/  
FDP / Webinar attended : Workshop & Webinar  Conferences  FDP

No. of Workshop/Conferences/  
FDP/ Webinar Organized : Workshop & Webinar  Conferences  FDP



Professional Membership	ISTE (LM39163), IE (I) (M-1679524) IAENG (122894)
Publications	National : 04
	International: 21
	Book : 01
Research Funded Projects	03 – Applied (SERB, AICTE- RPS) as Co-Principal Investigator
Consultancy	Nil
Patents	Nil
Academic Achievements	Appreciation reward for 100 % results
Recognitions & Honors	<ul style="list-style-type: none"> <li>• Appreciation award for publications (Scopus Indexed with impact factor)</li> <li>• Best Paper Presentation awards in conferences</li> <li>• Journal Sub Editor &amp; reviewer.</li> <li>• Acting as Resource person/Session Chair</li> <li>• Member – Question paper setting panel, Valuation panel, Results passing Board in other deemed Universities.</li> </ul>
Any Other Information	IQAC Coordinator

## List of Publications:

1. Abishek S M, Narendran S, **Murali S** and Rajagopalan RS ‘Analysis of micro structural characteristics and mechanical properties of Aluminum joint welded by CMT method.’, AIP Conference Proceedings, 2283, 020012 (2020); <https://doi.org/10.1063/5.0024990> Published Online: 29 October 2020.
2. Vasanth G, Deepack R, **Murali S** and Magesh S ‘Comprehensive Analysis on Mechanical Behavior of Airworthy Raw Materials for Aircraft Landing Gear system’, AIP Conference Proceedings, 2283, 2283, 020096 (2020); <https://doi.org/10.1063/5.0024956>, Published Online: 29 October 2020.
3. Sendhil Kumar. R, Pugazhendhi.S, Muralidharan.C, and **Murali.S.** (2018) ‘An Empirical Study on Effect of Information Sharing on Supply Chain Performance – The Case of Indian Automotive Industry’, International Journal of Logistics Systems and Management, Vol.31, No.3.pp.299-319. DOI: 10.1504/IJLSM.2018.095821. SCOPUS Indexed. Anna University Annexure-I.
4. **Murali. S.** JothiPrakash. V.M and Vishal. S (2017) ‘Modeling and Prototyping of Automatic Clutch System for Light Vehicles’, IOP Conference Series: Material Science and Engineering, Vol.183, SCOPUS Indexed. DOI:10.1088/1757-899X/183/1/012017.
5. Sendhil Kumar. R, Pugazhendhi.S, Muralidharan.C, and **Murali.S.** (2017) ‘Comprehensive Study on Wastages of Supply Chain Information Sharing in Automotive Industries’, IOP Conference Series: Material Science and Engineering, Vol.183, SCOPUS Indexed. DOI:10.1088/1757-899X/183/1/012017.
6. Sendhil Kumar. R, Pugazhendhi.S, Muralidharan.C, and **Murali.S.** (2017) ‘Analyzing the information sharing practices and barriers in supply chain of automotive industries’, International Journal on Future Revolution in Computer Science & Communication Engineering, Vol. 3 No.11, pp.161-165. UGC Approved.
7. **Murali. S.**, Pugazhendhi. S and Muralidharan. C. (2016). ‘Integration of IPA and QFD to assess the service quality and to identify after sales service strategies to improve customer satisfaction – A case study’, Production Planning & Control. The Management of Operations, Vol.27, No.5, pp.394-407. DOI:org/10.1080/09537287.2015.1129463. 6 Taylor & Francis. Impact Factor: 3.605. SCOPUS/SCI Indexed. Anna University Annexure-I.
8. **Murali. S.**, Pugazhendhi. S and Muralidharan. C. (2016). ‘Modeling and investigating the relationship of after sales service quality with customer satisfaction, retention and loyalty – A case study of home appliances businesses. Journal of Retailing and Consumer Services. ELSEVIER. Vol.30, pp.67-83. DOI:org/10.1016/j.jretconser.2016.01.001. Impact Factor: 4.219. SCOPUS/SCI Indexed. Anna University Annexure-I.
9. **Murali, S.** and Pugazhendhi, S. (2016). ‘An integrated model to identify and rank the after sales service strategies of firms engaged in household appliances business’, International Journal of Services and Operations Management, Vol.24, No.1, pp.99-124. DOI:org/10.1504/IJSOM.2016.075765 Impact Factor. SJR – 1.1. SCOPUS Indexed. Anna University Annexure-I.

10. **Murali. S.**, Pugazhenth. S. and Muralidharan. C. (2016). 'Assessment of impact of after sales service attributes on customer satisfaction for a home appliances business firm', International Journal of Enterprise Network Management. Vol. 7, No.1, pp.27-41. DOI:org/10.1504/IJENM.2016.075172. Impact Factor: SNIP 0.272 / SJR 0.148. SCOPUS Indexed. Anna University Annexure-I.
11. **Murali. S.**, Pugazhendhi. S and Muralidharan. C. (2015). 'Evaluation of performance of after sales service – A comparative study involving home appliances manufacturing firms', ARPN Journal of Engineering and Applied Sciences. Vol.10, No.13, pp.5614- 5619. Impact Factor: SNIP 0.668 / SJR 0.213. SCOPUS Indexed.
12. **Murali. S.**, Pugazhenth. S. and Ganesh. K. (2011) 'Role of Third Party Logistics Provider in Reverse Logistics', International Journal of Operation Systems and Human Resources Management, Vol. 1, No.1, pp. 79-86.
13. Rajasekaran. K.G, Bhaskar. G.B, Chandrasekaran. M, **Murali. S.** (2016). 'A Review on Employing Multi Criteria Decision Making Methods for Supplier Selection', Asian Journal of Research in Social Sciences and Humanities, Vol. 6, No. 6, June 2016, pp. 802-810. DOI: 10.5958/2249-7315.2016.00245.8. Anna University- Updated list.
14. Rajasekaran.K.G, Bhaskar.G.B, and **Murali.S** (2016). 'An Empirical Study on Selection of Supply Chain Partner by Multi-Criteria Decision Making Method VIKOR - A Case of Automotive Industry', International Journal of Engineering and Technology, Vol.8, No.6, pp. 2997-3004. DOI: 10.21817/ijet/2016/v8i6/160806263 .SCOPUS Indexed.
15. Malarkannan. B., **Murali. S.**, Pugazhenth. S. and Muralidharan. C. (2014). 'Development of after sales service strategies for the manufacturing firm', Applied Mechanics and Materials. Vol.591. pp.167-171. DOI:org/10.4028/www.scientific.net/AMM.591.167. Impact Factor: SNIP 0.27 / SJR 0.15. SCOPUS Indexed. Anna University Annexure-II.
16. M Balasubramanian, **S Murali** and Malepati Vineeth Choudary 'Investigation on impact of supplier, customer and organization collaboration factors on the performance of New Product Development.' International Journal of System Assurance Engineering and Management, paper is accepted. SCOPUS/SCI Indexed. 7
17. M. Balasubramanian and **S.Murali**. 'A Holistic AHP-QFD Hybrid Approach To Prioritize The Welding Process Parameters'. Multidiscipline Modeling in Materials and Structures, Paper is accepted. SCOPUS/SCI Indexed.
18. M. Balasubramanian and **S.Murali**. 'Augmenting the Design of a Nozzle used in Abrasive Jet Machining process with Computational Fluid Dynamics'. Materials Today: Proceedings, Paper is accepted. SCOPUS/SCI Indexed.
19. M. Balasubramanian, **S.Murali**, C Hemadri 'New Method of Dissimilar Friction Welding of Titanium to Stainless Steel'. Materials Today: Proceedings, Paper is accepted. SCOPUS/SCI Indexed.
20. M. Balasubramanian, N Sadasivan and **S.Murali**. 'Influence of processing Route on Bonding of AA6082 and MgAZ31B by Severe Plastic Deformation Process'. Materials Today: Proceedings, Paper is accepted. SCOPUS/SCI Indexed.

21. M. Balasubramanian, **S Murali** and D Jayabalakrishnan. 'A New Method of Friction Stir Welding With Weaving Arrangement'. Materials Today: Proceedings, Paper is accepted. SCOPUS/SCI Indexed.
22. Rajendraprasad. C.N, **Murali.S**, Vinodkumar.T. (2016). 'A study on Tribological behaviour of AZ31bMg Composite', Indian Journal of Science and Technology, Vol.9 (43), November. DOI: 10.17485/ijst/2016/v9i43/97479. SCI Indexed.
23. Rajasekaran. K.G, Bhaskar. G.B, **Murali. S**, Chandrasekaran. M. (2016). 'Identification and Prioritisation of supplier, customer and Organization collaborating factors influencing New Product Development', Indian Journal of Applied Research, Vol. 6, No. 6, July 2016, pp. 802-810. DOI: 10.4322/pmd.2012.007. Google Scholar Indexed.
24. **Murali. S** and Pugazhenth. S. 'An Importance and Performance analysis of ASS attributes for home appliances manufacturing firms', Vels Journal of Mechanical Engineering, Vol.2, Issue.2, July, 2015. Google Scholar Indexed.
25. Bharath khannaa. J. and **Murali. S**. 'Optimization of process parameters on strain distribution and formability in incremental sheet metal forming of AA1050 sheet' Vels Journal of Mechanical Engineering, Vol.2, Issue.2, July, 2015. Google Scholar Indexed.

#### **Workshop / Webinars Attended:**

<b>S.No.</b>	<b>Name of the Workshop</b>	<b>Organizers</b>	<b>Mode of Program</b>	<b>Month &amp; Year</b>
1	International Virtual Workshop On Advancements In Design And Materials For Product Development	VIT, Vellore	Online	2020
2	SAE INDIA Sponsored 2 Days National Workshop & Hands on Training in 3D Printing Techniques applied to Automobile & Aerospace Applications	S.A Engineering College, Chennai.	Onsite	2019
3	One Day National Workshop on E-Learning, MOOCS in SWAYAM/NPTEL and Personalised Education	AMET University, Chennai	Onsite	2018
4	One day National Level workshop on "Optimisation Techniques	Kings Engineering College, Chennai.	Onsite	2016
5	National Workshop on "Recent Trends in Automobile Engineering"	Vels University, Chennai.	Onsite	2016
6	One day Workshop on Matlab Interfacing with Arduino	Agni College of Technology, Chennai	Onsite	2016
7	One day National Workshop on Reverse Engineering	VIT University, Chennai	Onsite	2015
8	One day National workshop on 'Role of Lean Manufacturing on Organization Competitiveness	Sri Sairam Engineering College, Tambaram	Onsite	2014

9	Two weeks coordinator workshop on Fluid Mechanics at IIT-Kharagpur	IIT Kharagpur,Kharagpur	Onsite	2014
10	Two days workshop on 'Effective after sales service for competitive advantage'	Vels University, Chennai.	Onsite	2014
11	One day National workshop on 'Structural Equation Modeling'	VIT University, Vellur	Onsite	2013
12	International workshop on Ph.D Research	Vels University, Chennai.	Onsite	2012
13	Two Days National Level Technical Seminar on Optimisation in Engineering and Management Research	Anna University, Chennai	Onsite	2012
14	One day National Seminar on Computational Fluid Dynamics	Vels University, Chennai.	Onsite	2012
15	One Day National Workshop on Research trends in composite materials	Velammal Engineering College, Chennai	Onsite	2011
16	One Day National Workshop on Emerging Research and Technological Innovations in Welding	Velammal Engineering College, Chennai	Onsite	2010
17	CSIR Sponsored Two days Seminar on Modern Manufacturing Practices	K.S.R Institute of Technology, Tiruchengode	Onsite	2010
18	AICTE Sponsored National workshop on Excellence in Management Research	AVC. College of Engineering, Mannampandal	Onsite	2009
19	Two days workshop on Research Methodology	Velammal Engineering College, Chennai	Onsite	2009
20	Two days workshop on Emerging trends in SCM	Srivenkateswara College of Engineering, Sriperumbudur	Onsite	2004
21	One day workshop on Effective Teaching Techniques	AVC College of Engineering, Mannampandal	Onsite	2004
22	One day AICTE sponsored National Seminar on Environment and pollution awareness	R.V.S Polytechnic College, Dindigul	Onsite	2003
23	One day workshop on CAD/CAM/CAE	Kongu Polytechnic, Erode.	Onsite	2002
24	One day workshop on Accreditation Awareness	Moderator Kannadasan Polytechnic College, Nagercoil	Onsite	2001

**FDP Attended:**

S.No.	Name of the FDP	Organized by (Institution Name)	Mode of Program	Month & Year
1	ATAL, Academy Online FDP on "3D Printing & Design"	NIT, Warangal	Onsite	2020
2	Online FDP on "Manufacturing, Machining and Testing of Composites"	SSIT	Onsite	2020
3	4-days Online Course on Examination Reforms	AICTE	Onsite	2020
4	Online Two-Day FDP on Virtual Teaching	Teaching Learning Centre, CIT	Onsite	2020
5	One Day FDP on Internet of Things	SSIT - WILEY	Onsite	2020
6	Two days FDP on 'Creative Thinking'	Sri SaiRam Institute of Technology, Chennai	Onsite	2019
7	NPTEL - FDP on Outcome Based Pedagogic Principles for Effective Teaching	IIT Madras	Onsite	2018
8	Two days FDP on 'NextGen Teaching Methodologies'	Sri SaiRam Engineering College, Chennai	Onsite	2017
9	AICTE sponsored Two Weeks Faculty Development Programme on Bio Degradable, Green and Nano Composites for Industrial Applications: Manufacturing Methodologies and Properties	Sri SaiRam Institute of Technology, Chennai	Onsite	2017
10	One day FDP on 'Current Trends in Industry'	Sri SaiRam Engineering College, Chennai	Onsite	2017
11	Three days FDP on "Student Centric Pedagogy"	Vels University, Chennai.	Onsite	2016
12	Two days workshop on 'Effective after sales service for competitive advantage'	Vels University, Chennai.	Onsite	2014
13	Three Days FDP on MEMS	Vels University, Chennai.	Onsite	2013
14	Short term course on Instructional Design & Delivery systems	Velammal Engineering College, Chennai	Onsite	2011
15	Short Term Course on Supply Chain Management	Anna University, Chennai	Onsite	2010

16	CSIR Sponsored Two days Seminar on Modern Manufacturing Practices	K.S.R Institute of Technology, Tiruchengode	Onsite	2010
17	Two Days FDP on Effective Teaching Techniques	AVC College of Engineering, Mannampandal	Onsite	2004
18	One day AICTE sponsored National Seminar on Environment and pollution awareness	R.V.S Polytechnic College, Dindigul	Onsite	2004
19	AICTE-ISTE National Level STTP Winter School on Energy Prospects for Future	SCSVMV, Sankara University, Kanchipuram	Onsite	2003
20	AICTE-ISTE Sponsored State Level STTP Summer School on CAD/CAM Workstation	Thiru Seven Hills Polytechnic College, Chennai	Onsite	2000
21	Intensive course on AutoCAD	AVC College, Mannampandal	Onsite	1994
22	ISTE Sponsored State Level Induction Training Program for New Teachers	V.L.B. Janaki Ammal Polytechnic, Coimbatore	Onsite	1993

### Conferences Attended:

S.No.	Name of the Conference	Organizer	Month & Year
1	3rd International Conference on Materials, Manufacturing and Mechanical Engineering for Sustainable Developments (ICMSD2020)	Sri Sairam Institute of Technology, Chennai.	2020
2	International Conference on Advanced Composite Materials and Manufacturing (ICACM-2k20)	Bharath Institute of Higher Education and Research, Chennai	2020
3	International Conference on Maintenance and Intelligent Asset Management	Manipal Institute of Technology, Manipal Academy of Higher Education, Karnataka	2020
4	International conference on Recent Trends in Mechanical and Materials Engineering	Chennai Institute of Technology, Chennai.	2019
5	International Conference on Technological Advances in Mechanical Engineering	AMET University, Chennai.	2019
6	International Conference on Emerging Trends in Engineering Research	Vels University, Chennai.	2016

7	International Conference on Renewable Energy and Materials for Sustainability	Noorul Islam University, Nagercoil.	2016
8	International Conference on Emerging Trends in Engineering Research	Vels University, Chennai.	2015
9	International Conference on Computational Intelligence and Advanced Manufacturing Research	Vels University, Chennai.	2014
10	International Conference on Modeling Optimisation and Computing	Noorul Islam University, Nagercoil	2014
11	International Conference on Advances in Industrial Engineering Applications	Anna University, Guindy	2014
12	National Conference on Advances in Mechanical Engineering	Sri Balaji Chockalingam Engineering College, Arni	2014
13	National Conference on Dynamics of Management in modern Business	Vels University, Chennai.	2013
14	National conference on Emerging Research and Advances in Mechanical Sciences	Velammal Engineering College, Chennai.	2012
15	National conference on Emerging Research and Advances in Mechanical Sciences	Velammal Engineering College, Chennai.	2011
16	International conference on 'Recent Advances in Mechanical Engineering, ICRAME 2010.	Noorul Islam University, Nagarcoil.	2010

### **Programs Organized (via Dept. /Cells/Clubs):**

<b>S.No.</b>	<b>Name of the Program</b>	<b>Responsibility Held</b>	<b>Month &amp; Year</b>
1	3rd International Conference on Materials, Manufacturing and Mechanical Engineering for Sustainable Developments (ICMSD2020)	Session Chair & Programme Evaluator	November 2020
2	One week online FDP on Engineering and Management Teaching Pedagogy – An Industry Perspective	Convener	May 2020
3	Five days FDP on “ Manufacturing, Machining and Testing of Composite Materials”	Coordinator	June 2020

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