



SAI RAM INSTITUTE OF TECHNOLOGY

An Autonomous Institution | Affiliated to Anna University & Approved by AICTE, New Delhi
Accredited by NBA and NAAC "A+" | An ISO 9001:2015 Certified and MHRD NIRF ranked institution
Sai Leo Nagar, West Tambaram, Chennai - 600 044. www.sairamit.edu.in



DEPARTMENT OF MECHANICAL ENGINEERING PERSONAL ATTENTION PARENTAL CARE

Name : S. Meganathan

Designation : Assistant Professor

Email : meganathan.mech@sairamit.edu.in

Qualification : M.E

Specialization : Engineering Design

Research Interest : Product Design & Development, 3D Printing, FEA, CFD, IOT, ML

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	
Publications	National : 04
	International:04
	Book : -
Research Funded Projects	IEDC funded project on "Extraction of Fuel from waste plastic"
Consultancy	-
Patents	-
Academic Achievements	Subjects Handled – Received 100% Result in the following subjects 1. Strength of Materials 2. Mechatronics 3. Computer Aided Design. 4. Professional Ethics
Recognitions & Honors	-
Any Other Information	II C Coordinator, Yuva Club Incharge, Department website Incharge, IEDC Cell Coordinator, Department Patent Incharge,
	Rural Entrepreneur Development Cell (RED Cell) coordinator, SAE Ebaja Coordinator, Sustainable Waste management Coordinator.

List of Publications:

1. G Sai Krishnan, S Vivek G, Suresh, T Srinivasan, **S Meganathan**, P Ramu, Rajesh Ravi, "Experimental analysis of compressive behavior of E-Glass fiber reinforced IPN (vinyl ester/polyurethane) composite pipes", IOP Conf. Series: Materials Science and Engineering 988 (2020) 012011, ([doi:10.1088/1757-899X/988/1/012011](https://doi.org/10.1088/1757-899X/988/1/012011))
2. **S Meganathan**, G.Valarmathi, N.Oral Roberts," Segmentation of Human Vertebral Spine -FEA Analysis", TEST Engineering & Management, The Mattingley Publishing Co., Inc ,Vol.82, ISSN: 0193 – 4120,Page 11217 – 11226, (<https://doi.org/20.2020/t.matpr.2020.02.272>)
3. G Shanmugasundar, R Sivaramakrishnan, **S Meganathan**, S Balasubramani , "Design and Optimization of Robot Arm for Welding Using Ansys", Materials Today Proceedings, Volume 16, Part 2, 2019, Pages 1325-1332 (<https://doi.org/10.1016/j.matpr.2019.05.231>)
4. E Balakrishnan, **S Meganathan**, M Balachander, A Ponshanmugakumar "Design and analysis breakpad for various composite materials using Ansys" Materials Today Proceedings , Volume 16, Part 2, 2019, Pages 1067-1074 (<https://doi.org/10.1016/j.matpr.2019.05.197>)

List of Patents: NIL

Workshop / Webinars Attended:

S.No.	Name of the Workshop	Organizers	Mode of Program	Month & Year
1.	ELECTRICAL VEHICLES FOR A SUSTAINABLE FUTURE	RMK COLLEGE OF ENGINEERING AND TECHNOLOGY	ONLINE	APRIL,2020
2.	OVERVIEW OF NON-DESTRUCTIVE TESTING ON WELDMENT	AMET UNIVERSITY	ONLINE	MAY,2020
3.	MECH 4.0 TECHNICAL WEBINAR SERIES	SATHYABAMA INSTITUTE OF TECHNOLOGY	ONLINE	MAY,2020
4.	TROUBLESHOOTING OF INDUSTRIAL MOTORS	CRESCENT INSTITUTE OF TECHNOLOGY	ONLINE	MAY,2020
5.	RESEARCH, INNOVATION, INCUBATION AND ENTREPRENEURSHIP DEVELOPMENT CELL	PVKK INSTITUTE OF TECHNOLOGY	ONLINE	MAY,2020
6.	ISSUES & CHALLENGES IN MEDIUM AND HIGH-TEMPERATURE CONCENTRATING SOLAR POWER TECHNOLOGIES	FRANCIS XAVIER ENGINEERING COLLEGE	ONLINE	MAY,2020

7.	BACTERIAL VIRULENCE: PERCEPTIVE AND PRAGMATIC APPROACH	DEPARTMENT OF MICROBIOLOGY, INDIAN ACADEMY DEGREE COLLEGE	ONLINE	MAY,2020
8.	ADDITIVE MANUFACTURING: TECHNOLOGIES, FEATURES AND ITS APPLICATIONS	PANIMALAR INSTITUTE OF TECHNOLOGY	ONLINE	MAY,2020
9.	FRICITION STIR WELDING OF ALUMINIUM ALLOYS	PANIMALAR INSTITUTE OF TECHNOLOGY	ONLINE	MAY,2020
10.	GOAL SETTING	M.E.T ENGINEERING COLLEGE	ONLINE	MAY,2020
11.	MACHINE LEARNING	SRI SAI RAM INSTITUTE OF TECHNOLOGY, CHENNAI	ONLINE	MAY,2020
12.	ENTREPRENEURSHIP TURNING A BRIGHT IDEA INTO A SUCCESSFUL BUSINESS	AVIT	ONLINE	JUNE 2020
13.	THE FUTURE OF EDUCATION, EMPLOYMENT & ENTREPRENEURSHIP	ICTACADEMY	ONLINE	JUNE,2020
14.	INDUSTRIAL AUTOMATION	KARUNYA UNIVERSITY	ONLINE	SEP,2020
15.	RECENT ADVANCES IN MATERIALS AND MANUFACTURING: PART II	GAYATHRI VIDYA PARISHAD COLLEGE OF ENGINEERING	ONLINE	SEP,2020
16.	INNOVATION & ENTREPRENEURSHIP	VIDYA JYOTHI INSTITUTE OF TECHNOLOGY	ONLINE	SEP,2020
17.	GREEN COMPOSITES	SRI SAIRAM INSTITUTE OF TECHNOLOGY	ONSITE	SEP2016
18.	ADVANCES IN ROBOTICS	SANKARA UNIVERSITY	ONSITE	OCT 2016

FDP Attended:

S.No.	Name of the FDP	Organized by (Institution Name)	Mode of Program	Month & Year
1.	3D-PRINTING IT'S ROLE IN FIGHT TOWARDS COVID-19	CMR TECHNICAL CAMPUS	ONLINE	MAY,2020
2.	IOT TRENDS TO DRIVE INNOVATION FOR BUSINESS AND DIGITAL TECHNOLOGY	HINDUSTHAN INSTITUTE OF TECHNOLOGY, COIMBATORE	ONLINE	JUNE,2020
3.	E-CONTENT PREPARATION - FINDING COPYRIGHT FREE IMAGES AND SOUNDS	LOYOLA COLLEGE OF EDUCATION , CHENNAI	ONLINE	JUNE,2020
4.	COMPUTATIONAL FLUID DYNAMICS AND ENGINEERING SIMULATIONS	SRI SAI RAM ENGINEERING COLLEGE	ONLINE	JULY,2020

5.	DEVOPS & AWS	SRIRAM ENGINEERING COLLEGE	ONLINE	AUG,2020
6.	SCI LAB	V.O.CHIDAMBARAM COLLEGE	ONLINE	OCT,2020
7.	OUTCOME BASED EDUCATION IN MANAGEMENT EDUCATION , OBJECTIVES, BEST PRACTICES AND MEASUREMENT OF OUTCOMES	SAINTGITS COLLEGE OF ENGINEERING	ONLINE	NOV, 2020
8.	FEM/CFD	AICTE TRAINING AND LEARNING (ATAL) ACADEMY	ONLINE	OCT,2020
9.	3D PRINTING & DESIGN	AICTE TRAINING AND LEARNING (ATAL) ACADEMY	ONLINE	SEP,2020
10.	KINEMATICS OF MACHINERY	SRI SAIRAM INSTITUTE OF TECHNOLOGY	ONSITE	DEC,2018
11.	DESIGN OF MACHINE ELEMENTS	PANIMALAR ENGINEERING COLLEGE.	ONSITE	APRIL 2018
12.	ENGINEERING MECHANICS	GKM COLLEGE OF ENGINEERING.	ONSITE	NOV 2017
13.	AUTODESK FUSION 360	SRI SAI RAM ENGINEERING COLLEGE.	ONSITE	AUG 2017
14.	AUTODESK INVENTOR	LOYOLA INSTITUTE OF TECHNOLOGY.	ONSITE	MAR 2017

Conferences Attended:

S.No.	Name of the Conference	Organizer	Month & Year
1	International Conference on Advances in Mechanical Engineering (ICAME'21)	Sri Sai Ram Engineering College	Jan 2021
2	Materials, Manufacturing and Mechanical Engineering for Sustainable Developments - (ICMSD2020)	Sri Sai Ram Institute of Technology	Nov 2020

3	International Conference on Science, Technology, Engineering and Management (ICSTEM'19)	Kalaigar karunanidhi Institute of Technology, Coimbatore, Tamilnadu	March 2019
4	International Conference on Advances in Materials, Manufacturing and Applied Sciences(ICAMMAS 17)	Sri Sai Ram Institute of Technology	March 2017
5	National level Conference (AIMS 2014)	C.Abdul Hakeem College of Engg & Tech	March 2014
6	National level Conference (NCAMM 14)	Global Institute of Engineering & Technology, Vellore.	March 2014

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

S.No.	Name of the Program	Responsibility Held	Month & Year
1	Webinar on Placement at SAE events	Coordinator	June 2020
2	Webinar on Power of student community in social service	Coordinator	July 2020
3	Webinar on latest design and development on CAD / CAM /CAE	Coordinator	Oct 2020
4	Webinar on “My story – Motivational session for successful Student Entrepreneurs”	Coordinator	Nov 2020

5	Webinar on “Design Thinking and Critical Thinking and Innovation Design”	Coordinator	Dec 2020
6	Webinar on “Call for Paper Writing and Research Report on Innovation”	Coordinator	Dec 2020
7	Webinar on “Student’s Innovation & Entrepreneurs Development”	Coordinator	Jan 2020
8	Webinar on “ How to Plan for Startup and Legal & Ethical Steps”	Coordinator	Jan 2020
