

## SRI SAI RAM ENGINEERING COLLEGE

### DEPARTMENT OF MECHANICAL AND AUTOMATION ENGINEERING

	<i>Paste your recent photo</i>
Name: S. Ramanathan	
Designation:	Assistant Professor
Qualification:	ME
Area of Specialization:	CAD
Experience:	Teaching-14years 3 months Industry – Nil
Number of Workshops/ Conferences/ FDP Attended:	FDP attended- 04 NATIONAL/INT. CONFERENCE- 01
Publication:	Journal: National : 01 <b>International 02</b> Conference: National: 01 <b>International: 03</b>
General:	Nil
Staff Achievement	Achieved 100% percentage result in Robotics and Principles of Management, Erected Robotics lab, Conducted three months training for 60 students in Robotics, erected and maintaining department library.

## ACADEMIC BACKGROUND

Course	Institution	Year of Passing	Board/University	Percentage of marks (%)
ME (CAD)	Sathyabama University, Chennai	2013	Sathyabama University	7.8
B.E (Mechanical Engineering)	Mookambigai College of Engineering, Pudhukottai dt	2009	Anna University	65.52
Higher Secondary	Bhishop Heber Boys Higher Secondary School, Trichy	2005	State board	67.33
S.S.L.C	Bhishop Heber Boys Higher Secondary School, Trichy	2003	State board	84.80

## PROFESSIONAL EXPERIENCE

Sl. No	College/Organization	Designation	Period From	Period To	Total period	Nature of work
1	Sri SAiram Engineeing College	Assistant Profssor Gr III	June 2016 to till date		9 years 6 months	Teaching
2	CARE Group of Institutions	Assistant Professor	May 2013 to May 2016		3 years	Teaching
3	Prince Shri Venkateswara Padmavathy Engineering College	Lecturer	July 2009 to April 2011		1.9 years	Teaching

International Conferences Attended: 01

- Presented a paper in the topic of **Flow Optimization of Abrasive Fluid Jet Nozzle in the Fourth international conference on Futuristic Trends in Mechanical Engineering** held at Thiruvalluvar College of Engineering dated 7<sup>th</sup> and 8<sup>th</sup> march of 2015.

Papers published in the international conferences : 04

- Design and Investigation of Automatic Pest Detection and Pesticide Spraying Device, S.Ramanathan, Dr. I.Vimal Kannan, Kalyan Pichumani S.Rohith Krishnan, M.Mukhunth,

A.Vishnu, 2022 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)978-1-6654-6275-4/22/©2022 IEE DOI: 10.1109/ICPECTS56089.2022.10047006.

2. Design of automatic side stand and spring compression control system using arduino programming Ramanathan, S; Gowtham, S; Gugan, E; Saisaran, K; Guhan, M IOP Conference Series: Materials Science and Engineering, 2020, 912(3), 032011, Volume , Year 2020, Pages
3. Flow analysis of abrasive micro-blasting with glycerol and acrylamideas carrier medium using computational fluid dynamics Ramanathan S.;Naveen E.;Vignesh R.M.;Sudharson S.K.;Charan B. IOP Conference Series: Materials Science and Engineering, Volume 912, Year 2020
4. Design and kinematic analysis of spot welding robot , S. Ramanathan ; N. Mani; B. Devaneshwar; K. B. Amarthian; J. Naveen Kumar; M. Yuvanthika Meenakshi, International Conference on Recent Innovations in Science and Technology (RIST2022) AIP Conf. Proc. 3037, 020015-1 <https://doi.org/10.1063/5.0196322>

Short Term Course (Refresher courses) Attended: Nil

Faculty/Staff Development /Training Program (Orientation programmes) Attended: 04

- Attended a two days faculty development program in the topic of Teraching **excellence in Engineering and Management Curriculum** held at Sri Sairam Institute of Management Studies from 20.06.2016 to 21.06.2016.
- Attended a three days faculty development program in the topic of **Computer Aided Design and Usage of Software** held at Sri Sairam Engineering College from 04.08.2016 to 06.08.2016.
- Attended a seven days faculty development program in the topic of **Automobile Engineering** held at Sri Sairam Engineering College from 29.11.2017 to 05.12.2017.
- Attended a five days faculty development program in the **Autodesk Inventor** software organized by ICT Academy held at Sri Sairam Institute of Technology from 04.06.2018 to 08.06.2018.
- SPOT WELDING ROBOT Ramanathan S, NaveenRaj K, Nisanthan I IJRAR, Volume 6, Year 2019, Pages

Resource person In FDP: 01 - Organized a two days FDP in FEA in the year of 2013.

Workshops Attended: Nil

Events organized:

- Organized a one day workshop for students in the topic of Industrial Robotics and its Applications on the date of 12.06.2018 at Sri Sairam Engineering College.
- Organized a seven days STTP in FEA funded by AICTE
- Organized training course in Robotics and automation.

Funded Projects:Nil

List of publications in international journals: 02

- Published a journal named “**Design and Analysis of Modified Carburetor Using CFD**”, in International Journal Of Advances In Engineering Research in vol 10, issue 5 dated November 2015.
- Published a journal named **Analysis of taper angle in nozzle in abrasive fluid jet machining using CFD** in International Journal of Mechanical Engineering and Technology , vol9, issue 2, February 2018.