



# Sri SAI RAM INSTITUTE OF TECHNOLOGY

An ISO 9001 : 2008 Certified Institution

Sai Leo Nagar, West Tambaram, Chennai - 44. [www.sairamit.edu.in](http://www.sairamit.edu.in)



Name : Mrs. A.SASIKALA

Designation : Assistant Professor

Email : [sasikala.eee@sairamit.edu.in](mailto:sasikala.eee@sairamit.edu.in)

Qualification : M.Tech.,(Ph.D).,

Specialization : Energy conservation and management

Research Interest : Renewable Energy

Experience in years : **Teaching** UG 16.5 PG **Industry**

No. of Workshop/Conferences/  
FDP attended : Workshop 3 Conferences 7 FDP 14

No. of Workshop/Conferences/  
FDP Organized : Workshop - Conferences 1 FDP 1

Professional Membership	Indian society for technical education(ISTE)
Publications	National :6
	International:7
	Book :--
Research Funded Projects	IEDC Project selected"Rover and UAV based modeller and supervisor for various applications"
Patents	Design and Development of High Efficient Luo converter with fuzzy logic controller for DC Micro grid 2021

Achievements	<p><b>2014-15 Odd sem II yr digital logic circuits-100% result</b>  <b>2014-15 even sem IV yr EEGUC-100% &amp; I yr circuit theory-100% result</b></p> <p><b>100% result in Circuit theory 2016-17 Even sem</b>  <b>100% result in EEGUC 2016-17 Even sem</b></p> <ol style="list-style-type: none"> <li>1. Young Researcher award in year 2021 by Institute of scholars</li> <li>2. Recognized as reviewer for the journal of Institute of scholars</li> <li>3. NPTEL –Jul-Aug 2019 Topper 5% in Stress Management</li> <li>4.</li> </ol>
Any Other Information	<ol style="list-style-type: none"> <li>1. ISO Incharge</li> <li>2. Control &amp; Instrumentation lab incharge</li> <li>3. Class coordinator</li> </ol>

### List of Publications:-

#### Conference:

Presented paper titled “PLC automation of bearing press machine” in the national conference on Innovative techniques in power engineering and drives ITPED 16 organized by EEE, Velammal Engineering college, Chennai

#### International Journal:

1. Fire Detection using artificial intelligence for fire-Fighting robots 2020 4th International Conference on Intelligent Computing and Control Systems (ICICCS)
2. Military Support and Rescue Robot RM Ismail, S Muthukumaraswamy, A Sasikala 2020 4th International Conference on Intelligent Computing and Control
3. Enhancements on the Efficacy of Firefighting Robots Through Team Allocation and Path-Planning S Ramasubramanian, SA Muthukumaraswamy, A Sasikala Data Intelligence and Cognitive Informatics, 139-151
4. On the Design and Applications of an Integrated Smart Home Automation T Shafer, M Senthil Arumugam, A Sasikala Data Intelligence and Cognitive Informatics, 35-52
5. Implementation of Legendre Neural Network to Solve Time-Varying Singular Bilinear Systems A SASIKALA computers, Materials & continua 69 (3), 368-3692
6. AI transformation in retail sectors M Sivaram, V Porkodi, M Kandasamy, A Sasikala International Journal of Public Sector Performance Management 8 (3), 230-235
7. Smart Home LPG Application Using GSM Network and Controlling Black-Marketing by RFID Technology , Sasikala A Intelligent Systems and Computer Technology, Advances in Parallel Computing

### **List of Patent :**

Design and Development of High Efficient Luo converter with fuzzy logic controller for DC Micro grid-Filed in 2021

### **Workshop / Conferences / FDP Attended:-**

1. Recent trends in wind power generation and FACTS-NIT trichy on 28 and 29 August 2007
2. One day in “computer networks using Netsim” on 18th April 2008 In oxford engineering college,Trichy
3. Two days training as Internal Auditor on 26th and 27th december 2009 in SriSairam Institute of Technology
4. Recent trends in Renewable energy-Sri Sairam Engineering college on 24.2.2012
5. Seminar on Current trends and future role of Renewable Energy on 8th and 9th October 2013-SRISAIRAM ENGINEERING COLLEGE
6. One day workshop on “spectral Analysis using MSP430 for power electronics Applications” on 20th feb 2016 in VIT, Chennai
7. AICTE online training program for mentors under NITTT 26<sup>th</sup> to 30<sup>th</sup> july 2021
8. Design of experiments-An engineering perspective-Hexacube India-25,26,27 April 2020
9. Case Analysis and development -18<sup>th</sup> to 23<sup>rd</sup> December 2020 by Sairam Institutions
10. Six Day Online Faculty Development Program on “Control Engineering in Electric Vehicles” conducted by Department of Electrical and Electronics Engineering in association with SRM TRPEC IEEE Students Branch and IIC from 07.02.2022 to 12.02.2022.
11. FDP on “Process Control “ at Srisairam Engineering college from 16th to 23rd December 2016
12. 3 days FDP on “Electromagnetic theory and control systems” from 19.6.17 to 21.6.2017 shree sasatha institute of technology
13. 2 days FDP on “power system Analysis -Using ETAP” on 23.6.2017 to 23.6.2017 conducted by EEE department of KCG college of Technology
14. Online Faculty Development Programme on Power Converters for DC Micro Grid during June 4-6, 2020 by SSN
15. Academy Online Elementary FDP on "Future Perspective of Semiconductor Devices" from 2021-6-21 to 2021-6-25 at Kalasalingam Academy of Research and Education.
16. AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" from 2020-9-17 to 2020-9-21 at VELAMMAL ENGINEERING COLLEGE.

17. AICTE Training And Learning (ATAL) Academy Online FDP on "Electric Vehicles" from 2021-2-8 to 2021-2-12 at KPR Institute of Engineering and Technology.
18. AICTE Training And Learning (ATAL) Academy Online FDP on "Control Systems & Sensors Technology " from 2020-8-17 to 2020-8-21 at Government College of Engineering, Srirangam.

#### **CONFERENCE ATTENDED:**

National conference on “Communication and nano electronics Technology” from Oct 12 to 14th 2011 in Srisairam Institute of Technology , Chennai.

#### **Internship Attended**

**7 Days Faculty industrial training Program at KASA Anlagen India Pvt Ltd, No.18 SIDCO industrial estate, Thirumudivakkam-600132 during 15.2.2022 to 22.2.2022**