

Name: A.SASIKALA	Photo 			
Designation:	ASSOCIATE PROFESSOR			
Qualification:	M.TECH			
Area of specialization:	ENERGY			
Experience:	Industrial Experience		Teaching Experience	
	-		20.5	
Number of workshops / FDP attended:	Number of Workshops		Number of FDPs	
	7		16	
Publications:	Conference		Journal	
	National	International	National	International
	1	8	1	12
Books / Book Chapters	1			
Patents:	National		International	
	-		3	
Professional Body Membership	ISTE, IEEE. IEI			

Staff Achievements

- Topper 5% in NPTEL exam “Stress Management”
- Odd sem II yr digital logic circuits-100% result 2014-2015
- even sem IV yr EEGUC-100% & I yr circuit theory-100% result 2014
- 100% result in Circuit theory 2016-17 Even sem
- 100% result in EEGUC 2016-17 Even sem
- InSc Best “young researcher award” in the year 2021
- Topper 5% in digital logic circuits
- NPTEL domain certificate received in Energy Domain.

Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks/ Grades obtained	Class obtained
UG	B.E	EEE	1995-1999	Karunya institute of technology	Bharathiyar university	66	FIRST
PG	M.Tech	Energy Conservation and Management	2003-2005	Bharathidasan university	Bharathidasan university	7.56	DISTINCTION
PhD							

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri sairam institute of technology	Associate professor	21.6.2022	Till now	3	8	
Sri sairam institute of technology	Assistant Professor	1.6.2009	21.6.2022	13		
Oxford engineering college	Senior Lecturer	11.11.2005	30.04.2008	2	5	
Roever Engineering college	Lecturer	20.8.2001	20.8.2003	2		
				21	1	

Workshops/Seminars attended: 12

FDP/STTP Attended: 16

Symposium Attended: -

Conference Attended: 14

Completed / Ongoing Projects:	1
Patent:	3
Journal Publications:	12
Books / Book Chapters:	1
Awards :	1
Startup:	Nil
Webinar:	Nil
Resource Person:	Nil
Online Courses:	4

Workshops/Seminars:

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. Three days workshop on Design Of Experiments: An engineering perspective organized by Journal of Advanced Engineering Research powered by HEXACUBE india on 25,26, and 27 April,2020.
8. Two days training as Internal Auditor on 26th and 27th december 2009 in SriSairam Institute of Technology
9. One day workshop on “spectral Analysis using MSP430 for power electronics Applications” on 20th feb 2016 in VIT, Chennai
10. AICTE online training program for mentors under NITTT 26th to 30th july 2021
11. Design of experiments-An engineering perspective-Hexacube India-25,26,27 April 2020
12. Case Analysis and development -18th to 23rd December 2020 by Sairam Institutions.

FDP/STTP:

1. 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.
2. FDP on “Process Control “ at Srisairam Engineering college from 16th to 23rd December 2016
3. 3 days FDP on “Electromagnetic theory and control systems” from 19.6.17 to 21.6.2017 shree sasatha institute of technology
4. 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
5. Online Faculty Development Programme on Power Converters for DC Micro Grid during June 4-6, 2020 by SSN
6. 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.
7. AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" from 2020-9-17 to 2020-9-21 at VELAMMAL ENGINEERING COLLEGE.
8. 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.
9. 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.
10. Participated in Green Fuel and Electric Vehicle Technologies (GET-24) from 22.01.2024 to 26.01.2024 jointly organized by Vellore Institute of Technology (VIT) , Vellore and Asian Institute of Technology (AIT) , Thailand.
11. Participated successfully in the five days faculty Development Programme on ”Artificial Intelligence and Machine Learning using MATLAB for Renewable Energy Applications (AIML-REA: 2.0)” held at UPES, Dehradun, India.
12. faculty development program on smart city infrastructure: integrating iot, ai and renewable energy for sustainable urban development at vels institute of science technology and advanced studies from 20/01/2025 to 25/01/2025.
13. FDP on "Future Perspective of Semiconductor Devices" from 2025-6-21 to 2021-6-25 at Kalasalingam Academy of Research and Education.

Conferences:

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

2025 2nd International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE)

Authors: Sasikala. A; Karthik R; Muhamed Suhail S. J; Sanjay R

Projects Applied : TNSCST Project applied.

Applied for IEEE Sight project

Patent filed :

1. Design and Development of High Efficient Luo converter with fuzzy logic controller for DC Micro grid-Filed in 2021
2. PEROVSKITE SOLAR CELLS OPTIMIZATION: THE SIGNIFICANCE OF PROGRESSIVE ANNEALING METHODS april 2024
3. EFFICIENT INTEGRATION OF LIGHTWEIGHT PMSM TECHNOLOGY IN HYBRID ELECTRIC VEHICLES FOR ENHANCED PERFORMANCE AND RANGE OPTIMIZATION-April 2024

International:

Journals :

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 Shafeer, M Senthil Arumugam, A Sasikala Data Intelligence and Cognitive Informatics, 35-52
2. Implementation of Legendre Neural Network to Solve Time-Varying Singular Bilinear Systems A SASIKALA computers, Materials & continua 69 (3), 368-3692
3. AI transformation in retail sectors
M Sivaram, V Porkodi, M Kandasamy, A Sasikala International Journal of Public Sector Performance Management 8 (3), 230-235
4. 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.
5. **Optimal fuzzy controller for speed control of DC drive using salp swarm algorithm, Deepa Somasundaram, Sasikala Arumugham,**
6. A Deep Learning-Powered Medicine Vending Machine for Automated Prescription Interpretation and Contactless Payment Sasikala. A Department of Electrical and Electronics Engineering Sri Sai Ram Institution of Technology
7. IOT Based Heart Monitoring System Using ECG, Bhavesh R; Thiyagarajan V; Gunashekar S; A. Sasikala
8. Deep Learning-based Traffic Management for Emergency Vehicles using Convolutional Neural Networks Sasikala A Department of Electrical and Electronics Engineering Sri Sai Ram Institution of Technology

- **Awards:** Topper 5% in digital logic circuits
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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

ATAL FDP Conducted

Power Electronics Applications to Renewable energy systems from 10th October to 21st October 2022.(2 weeks FDP) with fund of Rs.300000/

Webinar: -

ON - LINE COURSES: -

NITTTR Courses:

Professional Membership: ISTE, IEEE. IEI