

BIO DATA



Name : G.Sivapriya
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Google Scholar link : <https://scholar.google.co.in/citations?user=3zxLGocAAAAJ&hl=en>

1. Educational Qualification

S.No	Branch / Specialization	Institute/University	Year of Passing
B.E.	Electrical and Electronics Engineering	Adhiparasakthi Engineering College, Melmaruvathur	2003
M.E.	Applied Electronics	Thanthai Periyar Government Institute of Technology, Vellore-2	2008
Ph.D.	Electrical and Electronics Engineering	Anna University	Pursuing

2. Professional/ Industry Experience

: (in chronological order)

S.No	Designation	Institution/Organization	Period	
			From	To
1.	Assistant Professor	Ramco Institute of Technology, Rajapalayam.	02.11.2020	Till date
2.	Assistant Professor	VPMM Engineering College for Women Krishnankoil.	04.07.2016	07.09.2020
3	Assistant Professor	CK College of Engineering & Technology, Cuddalore	30.06.2009	24.05.2015
4	Lecturer	Kalasalingam University, Krishnankoil	17.09.2008	31.05.2009
5	Lecturer	Sri Jayaram Engineering College, Cuddalore	Nov 2004	May 2006
6	Lecturer	PSRI Engineering College, Silavattam	05.07.2003	31.05.2004

3. Research Interest: IoT in Security System, Machine learning, Electric Vehicle

4. Publications

4.1 JOURNAL PUBLICATIONS

1. A. Guna , S. Sharmila Kumari, G. Sivapriya, ‘ “**State of Charge based Charging Controller with Temperature monitoring system for Lithium ion Battery in Electric Vehicle**” in E3S Web of Conferences 399, 01008 (2023). (Scopus indexed). <https://doi.org/10.1051/e3sconf/202339901008>.
2. Ms.S.Sharmila Kumari , Mrs. G.Sivapriya,,Ms. R. Jeyasri Nivetha, Ms.S.Keerthana,”**Assistive System Based On Fuzzy To Guide Visually Impaired People To Their Optimal Path**”, Scopus indexed AIP Conference Proceeding. <https://doi.org/10.1063/5.0163154>.
3. G.Sivapriya,R.Rajeswari,A.Guna” **GSM based Low Cost Water Level Monitoring and Control System using Arduino**“Volume10,Issue7,July2021|. DOI:10.15662/IJAREEIE.2021.1007037.
4. R. Marisankar , S. Sharmila Kumari, G. Sivapriya” **Solar Powered Agricultural Water Pumping with Auto Tracking**” Volume 8, Issue 4, doi : <https://doi.org/10.32628/IJSRST218435>, International Journal of Scientific Research in Science and Technology.

4.2 CONFERENCE PUBLICATIONS

1. Mrs.S.Sharmilakumari, AP/EEE, **Mrs.G.Sivapriya**,AP/EEE, Mr.A.Guna,AP/EEE have presented a paper titled “**Fuzzy-Based Contactless Patient Monitoring And Diagnostic System In Smart Hospital**” communicated to Applied journal of Science and Engineering, New Delhi, India.
2. **G.Sivapriya**, S.Sharmila Kumari, T. Sri Varshini presented a paper titled “**Solar Based Energy Management System for Charging Stations with Battery Storage**” in the National Conference on Recent Research on Advance Computing – 22 organized by SRM Institute of Science and Technology on 27 May 2022.
3. R. Marisankar , S. Sharmila Kumari, **G. Sivapriya**, ‘Solar Powered Agricultural Water Pumping with Auto Tracking’, International Journal of Scientific Research in Science and Technology, Volume 8, Issue 4, July-August-2021 Page Number : 216-223.
4. R.Rajeswari , **G.Sivapriya** , A.Guna,’ **GSM based Low Cost Water Level Monitoring and Control System using Arduino**”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), Volume 10, Issue 7, July 2021.
5. **G.Sivapriya** “ **Performance of Adaptive noise cancellation using ANFIS and Genetic concept** ” National conference (NCACT08), Alagappa Chettiyar College of Engg & Tech,Karaikudi.
6. **G.Sivapriya** “**Piezo Electric Generator based power generator in Motor cycle** “ National conference(2004 , SKP Engineering College,Tiruvannamalai.
7. **G.Sivapriya** , “**Piezo Electric Generator based power generator in Motor cycle** “ national conference ,Velammal Engineering College,Chennai.
8. **G.Sivapriya**,,R.Bavadharani,Mariammal “**Garbage monitoring using nodemcu** “ISTE Sponsored One Day National Conference on Computer , Electrical and Electronics Engineering TECHTASTIC 2K20 on 6th MARCH 2020.
9. **G.Sivapriya**.M.Anitha,” **A New Dual Soft Switch Control for a Cascaded BuckBoost PFC Converter Operating in Discontinuous Capacitor Voltage Mode** “ISTE Sponsored One Day National Conference on Computer , Electrical and Electronics Engineering 13,14.03.2020TECHTASTIC 2K20 on 6th MARCH 2020.
10. **G.Sivapriya**, Nithya.R.,”**Single touch alarm for women safety system** “ISTE Sponsored One Day National Conference on Computer , Electrical and Electronics Engineering TECHTASTIC 2K20 on 6th MARCH 2020.
11. **Sivapriya**, Rajeswari.R,Sangeetha.S,Rathika.P”**Advanced Water level monitoring for**

agriculture” “ One Day National Conference on Computer , Electrical and Electronics Engineering 07.03.2019.This project was selected in **TNSCST -EE110**

4.3 Book/Book chapter publications

Nil

5. Funded Projects

S. No	Title of the project	Funding Agency	Duration	Amount	Status
1.	Solar based Energy Management System for charging station with battery Storage	10,500/-	TNSCST	6 Months	Applied
2.	IoT Based Rain Water Harvesting for Crops Conservation.	10,500/-	TNSCST	6 Months	Applied
3.	Solar Based Energy Management System For Charging Stations	14,50,000/-	MSME IDEA HACKATHON 3.0 (Women)	1 year	Applied
4.	Power Generation through RoadSpeed Breakers	10,500/-	TNSCST	1 Year	Applied
5.	Infineon Solar Pump Motor Drive Design Challenge2021	4 Lakhs	Infineon Technologies: Semiconductors & Systems Solutions	1 Year	Applied

6. Ph.D. guidance

Sl.No	Scholar name	University	Topic	Status
Nil				

7. Short term Courses / Seminars /FDP/Workshop/ConferenceAttended:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	Wireless Communication	International Institute of Information Technology, Bangalore	17.08.2007	18.08.2007

2.	Applications of Artificial Neural Networks using Matlab	Government College of Engineering, Salem	03.10.2007	05.10.2007
3.	Convergence Technologies	Thanthai Periyar Government Institute of Technology, Vellore	27.09.2007	28.09.2007
4.	VLSI Design Techniques	Thanthai Periyar Government Institute of Technology, Vellore	08.10.2007	10.10.2007
5.	Digital Imaging and It's Application	Government College of Technology, Coimbatore	04.05.2007	05.05.2007
6.	Creativity and Innovation in New Product Development	Anna University, Chennai.	24.04.2009	25.04.2009
7.	Recent Advances in high voltage testing and measurement techniques.	Indian Institute of Science, Bangalore.	28.07.2011	29.07.2011
8.	Neural Networks	SSN Engineering College, Chennai.	10.08.2011	-
9.	VLSI design using VHDL	Thanthai Periyar Government Institute of Technology, Vellore	01.10.2007	31.10.2007
10	Effective teaching for 21 st century Developing Higher Order Cognitive Skills	Dr N.Asokan , Faculty Trainer.	20.04.2020	21.04.2020
11	ICT Application in Teaching and Learning	CPSC	22.04.2020	-
12	Teacher to Educational Leader	CPSC	23.04.2020	-
13	IEEE KEC Web talks	Kongu Engg College	04.05.2020	08.05.2020
14	Hands on IoT	Oyester Training	08.05.2020	14.05.2020
15	IoT-Future Opportunities	KVCET, Madhurandagam	09.05.2020	-

16	Development of Online Teaching and Learning Resources Using ICT	CPSC	14.05.2020	-
17	Next generation intelligence	St Peter's Institute	20.05.2020	25.05.2020
18	Intelligent controllers for renewable energy systems	P.S.R Engineering College,Sivakasi.	02.06.2020	03.06.2020
19	Embedded Systems using Arduino	Diazonic Labs	21.06.2020	-
20	Atal FDP on "Sensors Technology	Thiyagarajar Polytechnic College,Salem	7-12-2020	11-12-2020
21	FDP on "Internet of Things (IoT)"	National Institute of Technology, Meghalaya	14-12-2020	18-12-2020
22	"IoT using Raspberry Pi for Beginners"	India student chapter, RIT - IIC & ARC-RIT .	08.01.2021	-
23	Atal fdp on"Emerging Technologies in Wearable Devices"	Visvesvaraya college of Engineering (UVCE) Bangalore University	18.01.2021	22.01.2021
24	How to Publish Good Research Articles in High Impact Journals"	RIT,Physics Dept	12-01-2021.	-
25	FDP on Assessment & Tools	SRM institute of science and humanities	27.01.2021	28.01.2021
26	Atal fdp in Human Centre Computing	CMR institute of Technology, Bangalore	01.02.2021	05.02.2021
27	Circuit Design using AutoCAD Electrical	ICT Academy in association with Autodesk	16.08.2021	20.08.2021
28	Enabling Technologies for Industrial Internet of Things	Amrita Vishwa Vidyapeetham	20.08.2021	-
29	Recent Technological Development in Electric Vehicle system and its applications in Defence	A.K.T memorial College of Engineering and Technology	09.07.2021	10.07.2021
30	AICTE Incorporating Universal Human Values in Education (An AICTE Initiative)	AICTE	20.12.2021	24.12.2021

31	Your Signature is your Identity - Exclusive for Women	NIT, Trichy	27.12.2021	31.12.2021
32	How to write an effective seminar/Project proposal for Electrical Engineering	Kongu Engineering College	26.01.2022	-
33	Energy Management in Home	Ramco Institute of Technology	17.12.2022 1 hour	-
34	Nanomaterials for Novel Applications	Dept of Physics, RIT	13.01.2023	-
35	Research Proposal Writing	Ramco Institute of Technology	30.01.2023	-
36	Introduction to IoT and its Applications	AKT Memorial Engineering College & Tech	03.09.2022	-
37	Role of NAAC in Enhancing Quality in Higher Education Institutions	National Assessment and Accreditation Council (NAAC)	16.12.2022	17.12.2022
38	TinyML for scientific use cases	Ramco Institute of Technology	25.07.2022	-
39	An Overview of Patents & Procedure for Protection	Ramco Institute of Technology	20.01.2023	-
40	Artificial Intelligence Machine learning & Deep learning	NIT Warangal	28.11.2022	02.12.2022
41	Introduction to Machine Learning	NPTEL, IIT, Madras	Jan-Apr 2023 (15.05.2023)	-
42	Machine Learning	Infosys Springboard, Mahindra City, Chennai	11.10.2022	11.10.2022
43	Robotic Process Automation	TCE, Madurai	11,12 Feb 2023	-

8. Short term Courses / Seminars /FDP/Workshop/Conference organized:

Sl.No	Title of the event	Organized by	Date	
			From	To

1	International Conference on Smart Engineering for Renewable Energy Technologies - 2023 (ICSERET -2023 on 24 & 25 March 2023.	RIT	24.03.2023	25.03.2023
2	International conference on Smart Technologies and Applications	RIT	11.03.2022	12.03.2022
3	ISTE Student Convention	ISTE,RIT	26.03.2022	
4	Art of Learning	RIT	04.12.2021	06.12.2021
5	Graduation Day	RIT	17.10.2021	
6	Recent researches IN Bio-Inspired computing for Electrical Engineering Applications –sponsored by AICTE	CK College of Engineering & Tech,Cuddalore	05.05.2012	06.05.2012
7	Network simulator	CK College of Engineering & Tech, Cuddalore	29.08.2012	-
8	Research Methodology	CK College of Engineering & Tech, Cuddalore	25.05.2013	-
9	ISO Awareness Program	CK College of Engineering & Tech,Cuddalore	01.07.2011	-
10	AICTE-NBA Accreditation Awareness program	CK College of Engineering & Tech, Cuddalore	19.09.2011	-
11	Art of Learning	RIT- EEE Department	04.12.2021	06.12.2021

9. Online Courses

S.NO	COURSE TITLE	UNIVERSITY	DATE
1.	Examination Reforms	AICTE	29.04.2020 - 02.05.2020
2.	Introduction to IoT	NPTEL	JUNE- NOV

3.	IoT (Internet of Things) Wireless & Cloud Computing Emerging Technologies	Course era-Yonsei University	NOV 2020
4.	C Programming	CSE,RIT	Jan6-Feb12
5.	MATLAB onramp	Mathworks	02.08.2021
6.	Introduction to Programming with MATLAB	Vanderbilt University	16.12.2021
7	Applied industrial IoT	L&T Edutech	26.10.2022
8	Introduction to Machine Learning	IIT, Madras	15.05.2023

10. Patents filed/awarded: -

S. NO.	NAME OF THE MEMBERS	NAME OF THE PATENT	PATENT APPLIED NUMBER & DATE	CURRENT STATUS
1.	Ms. S. Jeya Shiny Suhel, Ms. M. Ramya, Ms. A. G. Vinataa, Ms.S.SharmilaKumari, MrsG.Sivapriya Mr.E.Thangam Dr.S.Kannan	An Apparatus for Monitoring and Dispensing Medicine to Elderly Patients	India-202141004468 & 02.02.2021	FER Applied
2.	Mr. D. Logesh Mr. C. Kaleeshwaran Mr. M. Arumugaanath Dr. S. Kannan Ms. S. Sharmila Kumari Mrs.G.Sivapriya	Improving the Efficiency of Off-Grid Bifacial Solar Panel using Reflector System	202241018277 & 29-03-2022	Hearing Received
3.	Mr. K.K.Kishore Mr. K. Mubis Akash Varun Mr. R.K. Venkateshan Dr.S.Kannan MrsG.Sivapriya Ms.S.SharmilaKumari	An Internet of Things System for Rainwater Collection and Intelligent Farming	202441015382 & 01.03.2024	Applied

11. Copyright Details

S. NO.	NAME OF THE MEMBERS	TITLE OF THE WORK	DIARY NUMBER	CURRENT STATUS
1.	Mrs.S.Sharmila Kumari, Mrs. G.Sivapriya, Mr. A.Guna	Real Time Application of 8051 Microcontroller Program Manual for Beginners	L-16665/2023	Granted

12. Membership in Professional societies: Life member ISTE

13. Awards, Recognition & Achievements: -

- Completed IUCEE International Engineering Educator Certification Program Spring 2022 with **Distinction** in July 2022.
- Produced **100% result** in EE 8403-Measurement & Instrumentation (IV SEM EEE), Basic Electrical and Electronics Engineering (II SEM IT), Renewable Energy

Systems (VII SEM EEE)

- Won **Third Place** in Anna university Examination during third Semester of ME Course.
- Department Topper in ME Applied Electronics Course.

Any others (Board of studies/Governing Council/Staff Selection/Reviewer/other duties)