



Name with Salutation : Mrs SACITHRAA R

Designation : Assistant Professor

Specialization : Control and Instrumentation

Domain Mail ID : sacithraar@ksriet.ac.in

Experience In Years(as on 31.05.2024 )

Teaching :16

Industry: NIL

Other:

DOJ in KSRIET : 03.06.2013

About Yourself  
(Not above 750 Words)

I am Sacithraa, an Assistant Professor in the Electrical Department at K S R Institute for Engineering and Technology. With a passion for education and a background in electrical engineering, I am dedicated to shaping the next generation of engineers and innovators.

My journey in academia began with a strong academic foundation, as I pursued my own education in the field of electrical engineering. This journey cultivated a deep understanding of the subject matter, allowing me to not only excel in my studies but also to develop a keen interest in research and practical applications.

As an Assistant Professor, I take pride in fostering an engaging and collaborative learning environment for my students. My teaching philosophy revolves around making complex concepts accessible, encouraging critical thinking, and promoting hands-on experiences. By combining theoretical knowledge with real-world applications, I aim to equip my students with the skills and insights they need to thrive in the dynamic field of electrical engineering.

In addition to teaching, I am also enthusiastic about research endeavors. I believe that research is integral to the growth of any academic institution, and I actively contribute to the advancement of knowledge in electrical engineering. My research interests span a range of topics, from renewable energy systems and power electronics to automation and control systems. Through my research, I strive to address current challenges and explore innovative solutions that can positively impact society and industry.

Outside the classroom and the research lab, I am committed to contributing to the academic community. I engage in professional development opportunities, attend conferences, and collaborate with colleagues to stay updated on the latest advancements in my field. This ensures that my teaching and research are always at the cutting edge of the discipline.

In all aspects of my professional journey, I remain dedicated to promoting academic excellence, inspiring curiosity, and nurturing the growth of aspiring engineers. With a firm belief in the transformative power of education, I am excited to continue making a positive impact in both the lives of my students and the field of electrical engineering.

Qualification

Doctorate:NA

	PG : M.E (Control And Instrumentation)				
	UG : B.E (EEE)				
	Diploma: NA				
Experience & Promotion Details	<b>Sl. No</b>	<b>Name of the Organization</b>	<b>Designation</b>	<b>Period</b>	
				<b>From</b>	<b>From</b>
	1	M.Kumarasamy College of Engineering	Lecturer	02.01.2006	02.05.2009
	2	Shree Venkateshwara Hi-Tech Engineering College	Lecturer	20.05.2009	20.05.2011
3	K S R Institute for Engineering and Technology	Assistant Professor	03.06.2013	Till date	
LinkedIn Profile Link	<a href="https://www.linkedin.com/in/sacithraa-r-1040ba187/">https://www.linkedin.com/in/sacithraa-r-1040ba187/</a>				
Web Page (if any)	-				
Areas of Interest	1.Control Systems 2. E-Vehicle 3. Artificial Intelligence				
Research PublicationDetails	<b>National Level</b>		<b>International Level</b>		<b>Google Scholar Citations:</b>
	<b>Journal(s)</b>	<b>Conference(s)</b>	<b>Journal(s)</b>	<b>Conference(s)</b>	<b>h-index :</b>
	3	1	-	8	<b>i10-index:</b>
	<b>Number of Web of Science Journals</b>				
	<b>Number of dblp Indexed Journals</b>				
	<b>Number of SCI Journals</b>				
	<b>Number of Scopus Indexed Journals</b>				1
No. of Conferences	<b>Type</b>	<b>Attended</b>	<b>Organized</b>		
	<b>National</b>	1	-		
	<b>International</b>	8	-		
Research Guidance	<b>Process</b>	<b>UG</b>	<b>PG</b>	<b>Doctorate</b>	
	<b>Awarded</b>	10	2	-	
	<b>Ongoing</b>	2	-	-	
Awards & Distinctions	1.Best Supervisor Award by SAMP & The Institution of Engineers(India) Students Chapter 2. 3.				
Books Authored/ Edited	1. 2. 3.				
Details of Patents	1. An IoT Integrated Bedding System for Infants to Ease Handling on Bedwetting Dr.T.Srihari Mr.Y.Kalimuthu Ms.R.Sacithraa Mr.M.A.Stephenraj GokulP MeiyarasuK NandhakumarJ Sankar S 23-09-2022 202241052105 A 2. A System and Method for Reduced Gas Pollution and Optimized Air				

	Quality in Residential Houses Dr. T. Srihari, Dr. R. Jeyabharath, Dr. P. Veena, Dr. A. Murugesan, Dr. C. Santha Kumar, Dr. S. Velmurugan, Y. Kalimuthu, R. Sacithraa, C. Sivakumar, R. Vinoth Kumar, T. Jeevanandam, R. Asha, A. Praveen Kumar, G. Kamalahasan, S. KavinMuthu Kumar 26-06-2020 Patent number 202041025122 A Application number 202041025122 3.Digital Microscope Camera Module 1.Dr. Yusuf Ahammad A.Ronad 2. Dr.T.Thilagavathi 3. Dr.K.Vimaladevi 4. Mrs. R. Sacithraa 5. Mr.S.Mayakannan				
Details of the Grants Received From Funding Agencies	<b>Sl.No.</b>	<b>Title of the Proposal</b>	<b>Details of Funding Agency</b>	<b>Duration</b>	<b>Status</b>
	1	-	-	-	-
	2	-	-	-	-
	3	-	-	-	-
Funded Programs Organized	1. 2. 3.				
Consultancy Activities (Industry)	1.Design and Development of Intelligent Battery Management Systems using ARM processors used in EV systems 2. 3.				
Trainings Offered	1. 2. 3.				
Association with Professional Bodies	1.ISTE 2.IEI				
Administrative Assignments (Responsibilities)	1. Department NBA Coordinator 2. Department Academic Coordinator 3. NCC Officer				
Subjects Expertise/Handled	1. Circuit Theory 2. Electromagnetic Theory 3.Control System				

## Journal

Electrocoagulation Rectifier For Waste Water Treatment, Suraj Punj Journal For Multidisciplinary Research, 2394-2886, <http://www.spjmr.com/galler y/65spjmr%201434.pdf>, Yes Peer Reviewed

Analysis And Enhancement Of Transient Stability In Grid Connected Microgrid, Suraj Punj Journal For Multidisciplinary Research, 2394-2886, <http://www.spjmr.com/galler y/55spjmr%201424.pdf>, Yes Peer Reviewed

## Conferences

Microcontroller Based Solar Powered Automatic Plant Irrigation System International Conference on Recent Trends in Engineering Technology (ICRTET'17)

Automatic Power Factor Monitoring And Correction System International Conference on Recent Trends in Engineering Technology (ICRTET'17)

QR Code Based Indoor Navigation System For Blind People Using Arduino And Android International

Conference on Innovations in Science, Engineering and Technology for Sustainable Development (ISETSD – 2018)

An Arduino based Water Management & Automatic Bill Generation System National Conference Emerginf Trends in Engineering and Technology

Eye Blinker Sensor Controlled Home Automation for Paralyze and Elderly People International Conference on Information Sciences and Renewable Energy Sources (ICISRES' 19)

Electrocoagulation Rectifier for Waste Water Treatment International Conference on Challenges and Opportunities for Innovation in New Normal

Capacitive Touch Based Controller for Snap Button Machine International Conference on Challenges and Opportunities for Innovation in New Normal

Electrocoagulation Rectifier for Waste Water Treatment International Conference on Engineering, Technology and Science

Capacitive Touch Based Controller for Snap Button Machine International Conference on Engineering, Technology and Science

**Patent**

An IoT Integrated Bedding System for Infants to Ease Handling on Bedwetting

Dr.T.Srihari Mr.Y.Kalimuthu Ms.R.Sacithraa Mr.M.A.Stephenraj GokulP Meiyarasu K Nandhakumar J Sankar S

23-09-2022 202241052105 A

A System and Method for Reduced Gas Pollution and Optimized Air Quality in Residential Houses

Dr. T. Srihari, Dr. R. Jeyabharath, Dr. P. Veena, Dr. A. Murugesan, Dr. C. Santha Kumar, Dr. S. Velmurugan, Y. Kalimuthu, R. Sacithraa, C. Sivakumar, R. Vinoth Kumar, T. Jeevanandam, R. Asha, A. Praveen Kumar, G. Kamalahasan, S. Kavimuthu Kumar

26-06-2020 Patent number 202041025122 A Application number 202041025122