

**Ms.SURYA S**



<b>Designation:</b>	<b>Assistant Professor</b>				
<b>Qualification:</b>	<b>M.TECH, Ph.D (Pursuing)</b>				
<b>Area of specialization:</b>	<b>COMMUNICATION SYSTEMS</b>				
<b>Experience : (As On DEC 2021)</b>	<b>Industrial Experience</b>		<b>Teaching Experience</b>		
	-		11.2Years		
<b>Number of workshop / FDP attended:</b>	<b>Number of Workshops</b>		<b>Number of FDPs</b>		
	4		17		
<b>Publications:</b>	<b>Conference</b>		<b>Journal</b>		
	<b>National</b>	<b>International</b>	<b>SCI</b>	<b>Scopus</b>	<b>Others</b>
	-	3	-	5	1
<b>Patents:</b>	<b>National</b>		<b>International</b>		
	1 Published		-		
<b>Professional Body Membership:</b>	IEEE 98066224 ISTE-LM87084				
<b>Staff Achievements:</b>	Received the Best Paper Award from ICPECTS 2022 for the paper, “A Low Cost QuArm Band for Controlling Contagious Diseases”.				

Topper cum Elite NPTEL online certification for the course Industry4.0 IoT during JUNE-DEC 2022.

An Award of honour and recognition for publishing a book chapter in the record event “maximum authors contributing for a book on covid 19 and its impact” by ESN Publications.

<b>Workshop Details:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Venue</b>	<b>Month/Year</b>
	1.	Recent Trends in Antennas for Multifield Applications	Sri Sairam Engineering College, Chennai.	December 2012
	2.	Faculty Industrial Training Program	GH Induction Private Limited, Thirumudivakkam	27th June to 1st July, 2022
	3.	Digital Teaching Techniques	R systems women Educators Empowerment program	2-17 Feb 2023
	4	Emerging trends in Academic Writing and Publication	SHODH, Punjab University	11-Jan 2024
<b>FDP Details:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Venue</b>	<b>Month/Year</b>

	1.	Accreditation and Outcome Based Learning	Online- NPTEL AICTE	Aug-2023
	2.	Tricks And Techniques For Research Article & Thesis Writing Using Modern E-Tools”,	Baselios Mathews II college of Engineering	2-Aug-2023
	3.	UHV II	AICTE	3-8Feb 2023
	4.	5G Antenna Design with AIML Applications using HFSS	St. Martin’s Engineering College, Dhulapally, Secunderabad.	27-28 May 2022
	5.	Industry4.0 IoT	NPTEL – AICTE	July-Oct, 2022
	6	Electromagnetic waves in Guided and Wireless Media	NPTEL – AICTE	Feb-Apr 2021
	7	Recent Advances in Antennas for Wireless Communications	Bapatla Engineering College, Andhra Pradesh	27-31, July 2021
	8	Inculcating Universal Human Values in Technical Education	AICTE Online FDP	17-21, May 2021
	9	Internet of Things	ATAL Academy Online FDP at Kongu Engineering College	21-25, Dec 2020
	10.	Green Technology & Sustainability Engineering	ATAL Academy Online FDP at St. Joseph's Institute of Technology	14-18 Dec,2020

	11.	IoT	Shri Sant Gajanan Maharaj College of Engineering, Shegaon	5-9 Oct, 2020
	12.	Wireless Networks	Sri Sairam Institute of Technology	December 2018
	13.	Engineering Teaching Pedagogy and Effective Learning Process	Sri Sairam Engineering College, Chennai.	December 2018
	14.	Optical communication & Networks	Sri Sairam Engineering College, Chennai.	June 2017
	15	Teaching excellence in Engineering & management Curriculum	Sri Sairam Engineering College, Chennai.	June 2016
	16.	Peer to peer Systems	Dhanalakshmi College of Engineering, Chennai.	July 2011
	17	Soft Computing With AI	Sri Sairam Institute of Technology	March 2011

<b>Seminar Details:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Venue</b>	<b>Month/Year</b>
	1.	Roadmap to 6G technology	IETE	6-Apr 2023
	2.	5G Confluence 2022	Telecom Sector Skill Council-ICT Academy	21 Dec 2022
	3.	AI and IOT Revolution	IC3IOT-SEC	10 Mar 2022

	4.	Integrating Blockchain in IOT concepts and Examples	IC3IOT-SEC	10 Mar 2022
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### Publication Details:

1. B. P. Prathaban, M. Jenath, S. Rajendran and S. Surya, "ALow Cost QuArm Band for Controlling Contagious Diseases," 2022 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2022, pp. 1-7, doi: 10.1109/ICPECTS56089.2022.10047664.

2. Presented a paper titled "Electronic Nose System for protecting workers in sewage system", in International Conference on Artificial Intelligence and Smart Energy, Feb 2022.

3. M Kanthimathi, S Surya, S Usha, D Vaithyanathan, "Energy efficient spatial modulation for WSN", in International Conference on Communication, Computing and IoT, March 2022.

4. S Surya, M Kanthimathi and B Rajalakshmi, "Performance analysis of multiuser MIMO OFDM systems incorporating feedback delay and feedback error ", Journal of Physics: Conference Series, doi:10.1088/1742-6596/1921/1/012012.

5. V. Sasikala, J. Arunarasi, S. Surya, N. Shivaanivarsha, G. R. S and G. A, "Transforming Healthcare with Deep Learning Cardiovascular Disease Prediction," 2023 International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics (AIKIIE), Ballari, India, 2023, pp. 1-7, doi: 10.1109/AIKIIE60097.2023.10390290.

### Conference Details

1. Vishnu MS, S.Surya , Vedanarayanan SR , Hrithik Kumar V, "Poultry Management System with detection of sick broilers", International Journal of Engineering Technology and Management Sciences, DOI:10.46647/ijetms.2022.v06i04.0040

2. B.Rajalakshmi, S.Surya , "Voltage and Other Parameters Monitoring System Using Android Mobile Application", International Journal of Scientific Research & Engineering Trends, Volume 7, Issue 4, July-Aug-2021.

3. B. Rajalakshmi and S. Surya, "Power Generation Using Piezoelectric Material", International Journal of Recent Advances in Multidisciplinary Topics *IJRAMT*, vol. 2, no. 7, pp. 249–252, Jul. 2021.

### Online Courses details

Sl.	Title	Certification	Month/Year
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<b>No</b>		<b>Authority</b>	
1	Accreditation and Outcome Based Learning	IITM(NPTEL)	Aug - Oct 2023
2	Industry4.0 and IoT	IITK (NPTEL)	July-Oct 2022 (12 weeks)
3.	Electromagnetic waves in Guide and Wireless Media		Feb- Apr 2021
4.	Fundamentals of Network Communication	University of Colorado (Coursera)	Oct 21,2020
5.	Introduction to the Internet of Things and Embedded Systems	University of California, (Coursera)	June 21,2020
6.	The Sustainable Development Goals – A global, transdisciplinary vision for the future	University of Copenhagen (Coursera)	June 14, 2020
7.	Introduction to Python	Coursera Project Network	June 14, 2020
8.	Support Vector Machines with scikit-learn	Coursera Project Network	June 14, 2020
9.	Support Vector Machines in Python, From Start to Finish	Coursera Project Network	June 14, 2020
10.	Image Compression with K-Means Clustering	Coursera Project Network	June 14, 2020
11.	Introduction to Project Management	Simplilearn	Apr 18,2020
12.	Arduino step by step	Udemy	March 30,2020
13.	Introduction to IOT	Simplilearn	Apr 7,2020
14.	Analog Circuits	NPTEL	Feb-March 2018

