Name:	V REMYA	

Designation:	Assistant Professor
Qualification:	M.E (pursuing Ph D)
Area of specialization:	COMMUNICATION SYSTEMS

Experience : (As On December 2023)	Industrial Experience	Teaching Experience
	NIL	13 Years 8 months 24 days

Number of workshop / FDP attended/ online courses:	Number of Workshops attended	Number of FDPs attended	Number of online courses completed
	18	33	35

Publications:	Conference			Journal				
	National	International	Scopus	SCI	Scopus	UGC	Google Scholar	Others
	2	2	8	-	1	4	2	2

Patents:	National	International
	2	NIL

Professional Body Membership:	1. ISTE: LM131469 2. IEI: M-1707803 3. IAENG: 278114 4. IETE: F-502781 5. IEEE: 98075240 (Senior Member) 6. IFERP: PM50947123
Number of Events Organized:	20

Staff Achievements:	➢ Secured centum result for 3 subjects (MANET, EMF& EMIC) ➢ *Topper cum Elite* **NPTEL** online certification for the course *Antennas* during Jan-Apr 2018. ➢ *Elite* **NPTEL** online certification for the courses *Digital Circuits* and *Introduction to wireless and cellular communication* during July-Oct 2018. ➢ 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.

- ➤ Member of NBA review team in institutional level.
- ➤ *Gems of Mentor India -* *Top Performing mentors of ATL Tinkerpreneur bootcamp 2020-2021*.
- ➤ *Chapter Advisor* for SEC IEEE MTTS.
- ➤ Certificate of Appreciation *for motivating my mentees to achieve topper* in Skill rack during the Academic year 2021-2022.
- ➤ Certificate of Appreciation *for being supervisor and constant Motivator* in Sairam SDG Solvethon 1.0 held on 20th and 21st April, 2022.
- ➤ *Reviewer* in Cybernetics and Systems *in SCIE edition* in March 2023.
- ➤ *Reviewer* in Eighth International Conference on Science, Technology, Engineering and Mathematics (ICONSTEM- 2023) in April 2023.
- ➤ *Jury* in Signax'23- a regional level Symposium organized by IEEE Student Branch of Jeppiaar Engineering College on 7th and 8th September, 2023.
- ➤ *Topper cum Silver* **NPTEL** online certification for the course *Introduction to Industry 4.0 and Industrial Internet of Things* during July-Oct 2023.
- ➤ *Volunteered as proctor* to guide and oversee competing teams for the **IEEEXtreme 17.0** programming competition that hosted +17,000 participants 29th October 2023

Events organized:	Sl. No.	Event	Co-ordinators	Month/Year
	1	National Workshop on "Advanced Wireless Networking (WINET'10)	Ms V Remya, Ms M Sivarathinabala	6th February, 2010
	2	Engineers Day 2018	Ms V Remya	18th September, 2018
	3	Webinar on **Working style of IT hub**	Ms V Remya, Ms S Rajalakshmi	17th June, 2020
	4	Webinar on **Web Development using Java**	Ms V Remya, Ms S Rajalakshmi	20th June, 2020
	5	Webinar on **Progressive Web app Development (mobile app)**	Ms R Chitra, Ms V Remya	22nd June, 2020
	6	Workshop on **3D Printing**	Dr K Sumathi, Ms V Remya, Ms K Jeyapiriya	6th and 7th October, 2020
	7	Alumini Talk on **How to break into Data Science**	Dr S Sumathi, Ms V Remya	4th December, 2020
	8	Webinar on **Antenna Concepts and its application to 5G**	Ms N Nazeeya Anjum Ms V Remya Ms S Rajalakshmi Ms J Sandhya	18th March, 2021
	9	TECHXHIBIT'21 – Miniproject contest	Ms K Jeyapiriya Ms V Remya	6th May, 2021

	10	Inauguration of **MTTs Society**	Ms V Remya – MTTs Chapter Advisor	3rd December, 2021
	11	Webinar on **Millimeter Wave Technology**	Ms V Remya – MTTs Chapter Advisor	13th May, 2022
	12	Webinar on **Vision on Materials Pathway**	Ms V Remya – MTTs Chapter Advisor	20th July, 2022
	13	Talk on **Peer Assist on Better Tomorrow**	Ms V Remya – MTTs Chapter Advisor	18th November, 2022
	14	5 days Value added Programme on **IOT and Embedded systems**	Ms R Chitra & Ms V Remya	12th to 16th December, 2022
	15	ZONE OUT- SEC IEEE MTTs SBC	Ms V Remya – MTTs Chapter Advisor	23rd May, 2023
	16	GoLogoFame- SEC IEEE MTTs SBC	Ms V Remya – MTTs Chapter Advisor	2nd August 2023 -4th August 2023
	17	Knacky Ploy- SEC IEEE MTTs SBC	Ms V Remya – MTTs Chapter Advisor	14th September, 2023
	18	Engineers day 23	Ms V Remya Ms S Surya	22nd September, 2023
	19	Binary-Blast- SEC IEEE MTTs SBC	Ms V Remya – MTTs Chapter Advisor	19th October, 2023
	20	Tech Talk on Microwave Filter Design- SEC IEEE MTTs SBC	Ms V Remya , Dr J Manikandan	18th November, 2023
Workshop Details:	**Sl. No.**	**Title**	**Venue**	**Month/Year**
	1	Soft Computing Approaches for Image Processing Applications	Mepco Schlenk Engg College, Sivakasi	6th & 7th February, 2009
	2	Simulation & Emulation using QUALNET – Network Simulator Software	PSG College of Technology, Coimbatore	26th September, 2009
	3	3-Day workshop on Digital Signal Processing	Kalasalingam University, Srivilliputhur	24th to 26th May, 2010
	4	Advances in Digital Image Processing (ADIP)	Kumaraguru College of Technology, Coimbatore	21st August, 2010
	5	National workshop on Wireless Communication and Radiating Systems	Sri Sairam Engineering College, West Tambaram	21st & 22nd March, 2011
	6	MATLAB Seminar	Le Royal Meridian Chennai	4th July, 2013
	7	Industrial Visit	RTTC, Maraimalai Nagar	3rd February, 2014
	8	Industrial Visit	BSNL, Meenambakkam	7th March, 2017

	9	Staff Seminar on Recent Trends in Optical Fiber by RTTC, Chennai	Sri Sairam Engineering College, West Tambaram	10th December, 2018
	10	Antenna Design for Consumer Electronics using CST	Tesla Minds, Nandanam, Chennai	17th to 30th April, 2021
	11	Webinar on Outcome Based Teaching Learning Process in Technical Education	NITTTR, Chennai	6th May, 2021
	12	Webinar on Canvas Tool for Better Education	Vidya Jyothi Institute of Technology, Hyderebad	15th May, 2021
	13	Webinar on Antenna Techniques for Advanced Magnetic Resonance Imaging	PDH IEEE Continuing Education	11th January, 2022
	14	Faculty Industrial Training Program	Kasa Anlagen India Private Limited, Thirumudivakkam	13th June to 18th June, 2022
	15	Webinar on Challenges and Opportunities in Beyond-5G and 6G Communication	PDH IEEE Continuing Education	13th September, 2022
	16	Webinar on Machine Learning in Wireless Communication: 5G and Beyond	IETE Chennai Centre	9th December, 2022
	17	Distinguished Microwave Lecture on Distributed Phased Arrays	IEEE MTTS Kerala Chapter	27th January, 2023
	18	Smart Antennas –The Design Perspective Using CST Studio Suite Software	S.A. Engineering College, Chennai	9th to 10th October, 2023

FDP / STTP Details:	Sl. No.	Title	Venue	Month/Year
	1	"High – Tech Teaching Learning Strategies" by NITTTR, Chennai.	Kumaraguru College of Technology, Coimbatore	2nd to 4th April, 2009
	2	Electromagnetic Theory	Anna University, Chennai	7th to 13th June, 2010
	3	LABView & Applications	National Institute of Technology, Calicut	13th to 19th June, 2010
	4	Teaching Excellence in Engineering and Management Curriculum	Sri Sairam Institute of Management Studies, Chennai	20th & 21st June, 2016
	5	Signal Processing for Multimedia and Wireless Communication	Coimbatore Institute of Technology, Coimbatore	5th to 11th June, 2017

	6	Introduction to Wireless and Cellular Communication	NPTEL – AICTE	July-Oct, 2018
	7	Engineering Teaching Pedagogy and Effective Learning Process	Sri Sairam Institute of Management Studies, Chennai	3rd to 7th Dec, 2018
	8	Entrepreneurship career development program	Sri Sairam Institute of Management Studies, Chennai	8th to 12th April, 2018
	9	Renewable Energy Systems	Sri Sairam Engineering College	22nd to 26th July, 2019
	10	STTP on Research area in Smart Antenna design for cubesat applications.	Sri Sairam Institute of Technology, Chennai (AICTE Sponsored)	31st Oct to 6th Nov, 2019
	11	Data Science with Python	ICT Academy (Saveetha School of Engineering)	5th to 7th February, 2020
	12	Develop the ability to write research protocol	AIMIT, Bangalore	24th April, 2020
	13	Get ready for AI with Matlab and Simulink	Sri Sairam Engineering College	18th to 20th June, 2020
	14	Wearable Devices	AICTE Training And Learning (ATAL) Academy - Kongu Engineering College	14th to 18th Sep, 2020
	15	Control Systems & Sensors Technology	Gayatri Vidya Parishad College for Degree and PG courses	2nd to 6th Nov, 2020
	16	STTP on Recent Emerging Trends in Wireless Communication using IoT	Vidya Jyothi Institute of Technology (Autonomous) sponsored by AICTE	9th to 16th Nov, 2020
	17	Wearable Devices	AICTE Training And Learning (ATAL) Academy – Karunya Institute of Science and Technology	30th Nov to 4th Dec, 2020
	18	Research Methodology	AICTE Training And Learning (ATAL) Academy – IIIT Dharwad.	7th Dec to 11th Dec, 2020
	19	STTP on "Evolution of RF Electromagnetics from Microwave to mmWave Technologies"	CoE-CNDS Veermata Jijabai Technological Institute (VJTI), Mumbai.	19th to 23rd Dec, 2020

20	FDP on "Machine Learning Techniques for Imaging and Healthcare with Python"	Sri Sairam Engineering College / ICE Dept (AICTE Sponsored)	28th Jan to 10th Feb, 2021
21	Inculcating Universal Human values in Technical education	AICTE	17th to 21st May, 2021
22	Recent Advances in Antennas for Wireless Communications	Bapatla Engineering College, Andhra Pradesh	27th to 31st July, 2021
23	Microwave Engineering	Faculty Training Centre, GCT Coimbatore	2nd to 6th August, 2021
24	Advanced Communication Systems- A Research Perspective	AICTE Training And Learning (ATAL) Academy – College of Engg, Karunagapally.	9th to 13th August, 2021
25	RF Energy harvesting Antenna Design for Wireless Body Area Networks: Design, Development, and Challenges	AICTE Training And Learning (ATAL) Academy – Sri Vasavi Engineering College, Andhra Pradesh	23rd to 27th August, 2021
26	5-day Face-to-Face UHV-II FDP	AICTE	26th to 30th July, 2022
27	STTP on Antenna Design: Future Trends and New Applications	CARE College of Engineering, Trichy	1st to 5th August, 2022
28	FDP on Recent Trends in 5G Communication Networks	IEEE Madras Section (Sri Sai Ram Engineering College)	26th to 30th December, 2022
29	Optical Signal processing for Communication, computing and sensing	IEEE SPS Society (Sri Sai Ram Engineering College)	6th to 10th March, 2023
30	Easy and Solid Logics for Research paper writing in High impact Journals	SSN College & IEEE SPS	14th and 15th September, 2023
31	An Introduction to Coding Theory	NPTEL – AICTE IITM	July-Sep, 2023 (8 weeks)
32	Introduction to Industry 4.0 and Industrial Internet of Things	NPTEL – IIT Kharagpur	July – Oct, 2023 (12 Weeks)
33	Quantum Computing and its Future Scope	AICTE Training And Learning (ATAL) Academy – Sri Sai Ram Engineering College	18th to 26th December, 2023

Online Courses details	Sl. No.	Title	Certification Authority	Month/Year
	1	ANTENNAS	IIT Bombay (NPTEL)	Jan-Apr, 2018 (12 weeks)
	2	Introduction to Wireless and cellular Communication	IIT Madras (NPTEL)	July-Oct, 2018 (12 weeks)
	3	Digital Circuits	IIT Madras (NPTEL)	July-Oct, 2018 (12 weeks)
	4	Go from zero to hero in python3	Udemy	11.11.2019
	5	NBA Accreditation and Teaching Learning in Engineering	IISc, Bangalore (NPTEL)	Jan-Apr, 2020
	6	Introduction to Artificial Intelligence	Simplilearn (NASSCOM)	02.04.2020
	7	Foundational Artificial Intelligence	Skillup online (NASSCOM)	13.04.2020
	8	Deep learning and Artificial Intelligence	Udemy	12.04.2020
	9	AI For Everyone	deeplearning.ai (Coursera)	16.05.2020
	10	Introduction to the Internet of Things and Embedded Systems	University of California, Irvine(Coursera)	14.05.2020
	11	Introduction to Machine Learning	Duke University (Coursera)	17.05.2020
	12	Machine Learning Foundations: A Case Study Approach	University of Washington (Coursera)	30.05.2020
	13	Neural Networks and Deep Learning	deeplearning.ai (Coursera)	20.05.2020
	14	Introduction to Virtual Reality	University of London (Coursera)	17.05.2020
	15	The Sustainable Development Goals – A global, transdisciplinary vision for the future	University of Copenhagen (Coursera)	28.06.2020
	16	Image Compression with K-means Clustering	Coursera Project Network	19.09.2020

	17	Support Vector Machines in Python, From Start to Finish	Coursera Project Network	20.09.2020
	18	Support Vector Machine Classification in Python	Coursera Project Network	20.09.2020
	19	AI for Everyone: Master the Basics	edx	04.07.2020
	20	Satellite based Navigation: A Journey from GPS to Mobile Phone Platform	IIRS, Dehradun	01.03.2021 to 12.03.2021
	21	Basic Electronics	IIT Bombay (NPTEL)	Jan-Apr, 2021 (12 weeks)
	22	Millimeter Wave Technology	IIT Madras (NPTEL)	Jul-Sep, 2021 (12 weeks)
	23	Module 1: Orientation Towards Technical Education and Curriculum Aspects	NITTTR	September, 2021
	24	Fundamentals of MIMO Wireless Communication	IIT Kharagpur (NPTEL)	Jan-Mar, 2022 (8 weeks)
	25	Arduino Training	Spoken Tutorial Project, IIT Bombay	3rd June, 2022
	26	Module 2: Professional Ethics and Sustainability	NITTTR	July, 2022
	27	Module 5: Technology Enable Learning and Life-long Self Learning	NITTTR	July, 2022
	28	Module 6: Student Assessment and Evaluation	NITTTR	July, 2022
	29	Certification course on Digital Teaching Techniques	R Systems International Ltd (ICT Academy)- Women Educators Empowerment Program	2nd to 17th February, 2023
	30	Module 3: Communication Skills Modes & Knowledge Dissemination	NITTTR	February, 2023
	31	Module 4: Instructional Planning and Delivery	NITTTR	February, 2023
	32	Module 7: Creative Problem Solving , Innovation and Meaningful R & D	NITTTR	February, 2023

	33	Module 8: Institutional Management & Administrative Procedures	NITTTR	February, 2023
	34	An Introduction to Coding Theory	NPTEL – IIT Kanpur	July-Sep, 2023 (8 Weeks)
	35	Introduction to Industry 4.0 and Industrial Internet of Things	NPTEL – IIT Kharagpur	July – Oct, 2023 (12 Weeks)
Conferenc e Details:	**Sl. No.**	**Title**	**Venue**	**Month/Year**
	1	Published & presented a paper titled **"Fixed point implementation of Rake receiver using BPSK modulation"** in Third National Conference on Recent Trends and Emerging Technologies in Electrical Systems (ELCON'08)-National Conference	National Engineering College, Kovilpatti	13th March, 2008
	2	Published & presented a paper titled **"Parallelized UWB Rake receiver"** in International Conference on Digital Factory (ICDF'08) - International Conference.	Coimbatore Institute of Technology, Coimbatore	11th to13[th] August, 2008
	3	Published & presented a paper titled "**Optimization of Rake receiver through parallelism"** in 21st National Conference on Communication and Networking Technologies(NCCNT'10)-National Conference	IFET College of Engineering, Villupuram	3rd April, 2010
	4	Published & presented a paper titled "**Analysis of static power reduction techniques in shift registers**" in International Congress on Advances in material Science and Engineering (ICAMSE 2020) DOI: 10.1007/978-981-16-0942-8_53	School of Engineering Shobhit University, Gangoh, Saharanpur, U.P., India *(scopus indexed)*	28th to 30th December, 2020

	5	Published & presented a paper titled "**Low Profile Sierpinski Fractal Patch Antenna**" in 2022 International Conference on Communication, Computing and Internet of Things (IC3IoT-2022) DOI : 10.1109/IC3IOT53935.2022.9767954	Sri Sairam Engineering College IEEE Xplorer *(scopus indexed)*	10th & 11th March, 2022
	6	Published & presented paper titled "**Forest fire detection using Yolo v3**" in International Conference on Advances in Management, Engineering & Technology (ICAMET-2022)	RSP Conference hub, Coimbatore.	25th and 26th June, 2022
	7	Published a paper titled **"Design of a Two-Tier Learning Model for Congestion Control in WSN Environment"** in 2022 International Conference on Edge Computing and Applications (ICECAA) DOI:10.1109/ICECAA55415.2022.9936455	Gnanamani College of Technology Namakkal, Pachal, India IEEE Xplorer *(scopus indexed)*	13th and 15th October, 2022
	8	Published & presented a paper titled "**Certain Investigations on Channel Utilization in MIMO System Based on Antenna Selection**" in IEEE MysuruCon 2022 DOI:10.1109/MysuruCon55714.2022.9972434	JSS Science and Technology University, Bengaluru IEEE Xplorer *(scopus indexed)*	16th and 17th October, 2022
	9	Published & presented a paper titled " **Heptagonal Fractal Antenna with Slit for Improved Efficiency**" in third International Conference on Power, Energy, Control and Transmission Systems (ICPECTS- 2022) DOI:10.1109/ICPECTS56089.2022.10047146	Sri Sairam Engineering College, Chennai IEEE Xplorer *(scopus indexed)*	8th and 9th December, 2022
	10	Published & presented a paper titled " **An Approach for Image Feature Extraction Using Obtuse-Angled Triangle Segmentation Using Mathematical Analysis for**	Jeppiaar Engineering College, Chennai	6th and 7th April, 2023

		Enhanced Video Stabilization" in eighth International Conference on Science, Technology, Engineering and Mathematics (ICONSTEM- 2023) DOI: 10.1109/ICONSTEM56934.2023.1014238 5	IEEE Xplorer *(scopus indexed)*	
	11	Published & presented a paper titled " **Design and Analysis of 5G Antenna with Defective Ground Structure**" in International Conference on Applied Intelligence and Sustainable Computing (ICAISC- 2023) DOI:10.1109/ICAISC58445.2023.10201 019	Shri Dharmasthala Manjunatheswara College of Engineering and Technology, Dharwad, Karnataka. IEEE Xplorer *(scopus indexed)*	16th and 17th June, 2023
	12	Published & presented a paper titled " **Smart Walking Cane for Navigation of Visually Impaired**" in first international Conference on Intelligent Computing and Control for Engineering and Business Systems (ICCEBS-2023) DOI:	Sri Sai Ram Engineering College, Chennai. IEEE Xplorer *(scopus indexed)*	14th and 15th December, 2023

Journal Details:	**Sl. No.**	**Title**	**Journal Name**	**Volume/Date**
	1	Music Recognition Using Hash Algorithm	International Journal of Applied Engineering Research *(scopus indexed)* DOI: 10.37622/000000	ISSN 0973-4562 Volume 9, Number 24 (2014) pp. 26273-26284
	2	Image Compression Using Lifting Scheme	Journal of Emerging Technologies and Innovative Research	ISSN – 2349-5162, Volume 6, Issue 6, June 2019
	3	Predictable FPGA Execution for Attentional Affirmation in Multi-Speaker Condition DOI:10.35940/ijrte.D5247.118419	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878, Volume-8 Issue-4, November 2019
	4	Strong Multiplier Structure Execution on FPGA With Variable Latency	TEST Engineering and Management	ISSN: 0193 - 4120 Page No. 2844 – 2848, Volume-82 Jan- Feb 2020

	5	Intelligent Trolley	Studies in Indian Place Names	ISSN: 2394-3114 Vol 40 issue 1 (s1) Page No. 98-107, January 2020
	6	Smart Agriculture System With Predictive Analysis Based On LoRa	Studies in Indian Place Names	ISSN: 2394-3114 Vol 40 issue 1 (s1) Page No. 108-117, January 2020
	7	Mutil-Objective Optimization – A Topsis Approach for of EDM Machining of Biomaterials	European Journal of Molecular & Clinical Medicine	ISSN: 2515-8260 Volume 07, Issue 3, 2020, Page No.4951-4960
	8	Smart Rescuer doi: 10.17051/ilkonline.2020.04.765073	Ilkogretim Online - Elementary Education Online	ISSN:1305-3515 2020; Vol 19 (Issue 4): pp. 6692-6700
	9	Forest Fire Detection using Yolov3 DOI:10.46647/ijetms.2022.v06i04.0045	International Journal of Engineering Technology and Management Sciences	ISSN: 2581-4621 July 2022, Issue: 4 Volume No.6, page No: 266-271
Book Chapter:	**Sl. No.**	**Title**	**Name / Year of Publications**	**Edition/ISBN**
	1	Flexible Devices (Recent Trends in Engineering And Technology – page: 28-36)	Sri Sai Raj Printers/ April 2021	978-819-47-1498-9
	2	Neurorobotics: A review from vision to action (ROBOTICS AND AUTOMATION page:124-129)	ESN Publications / February 2021	First Edition: 2021/ 978-93-90781-09-6
	3	Analysis of static power reduction techniques in shift registers (Lecture Notes in Mechanical Engineering- CAMSE2020) (page:-567-578)	Springer Nature Singapore Pte Ltd. / December 2020 *(scopus indexed)* DOI: 10.1007/978-981-16-0942-8_53	ISSN: 2195-4356 ISBN:978-981-16-0942-8
Patent Details:	**Sl. No.**	**Title**	**Journal Name**	**Volume/Date**
	1	A PEDAL POWERED FOLDABLE BICYCLE FOR ENHANCED MOBILITY (Application No. 202041042185 A)	Official Journal of The Patent Office	Issue No. 41/2020/ 09.10.2020
	2	AUTONOMOUS NURSING ROBOT FOR HOSPITALS BASED ON	Official Journal of The	Issue No. 47/2023/