Name:	V REMYA	

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

Experience : (As On December 2022	Industrial Experience	Teaching Experience
	NIL	12 Years 8 months 24 days

Number of workshop / FDP attended:	Number of Workshops	Number of FDPs
	16	28

Publications:	Conference		Journal				
	National	International	SCI	Scopus	UGC	Google Scholar	Others
	2	7	-	1	4	2	2

Patents:	National	International
	1	NIL

Professional Body Membership:	1. ISTE: LM131469 2. IEI: M-1707803 3. IAENG: 278114 4. IETE: F-502781 5. IEEE: 98075240 (AAP society and MTTs society) 6. IFERP: PM50947123
Number of Online courses:	26
Number of Events Organized:	14
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 bookchapter 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.
- ➢ *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.

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 Jeyepiriya	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
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

	Sl. No.	Title	Venue	Month/Year
	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
FDP 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
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	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	Udemy	12.04.2020

		Intelligence		
	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	NBA Accreditation and Teaching Learning in Engineering	IISc, Bangalore (NPTEL)	Jan-Apr 2020
	16	The Sustainable Development Goals – A global, transdisciplinary vision for the future	University of Copenhagen (Coursera)	28.06.2020
	17	AI for Everyone: Master the Basics	edx	04.07.2020
	18	Satellite based Navigation: A Journey from GPS to Mobile Phone Platform	IIRS, Dehradun	01.03.2021 to 12.03.2021
	19	Basic Electronics	IIT Bombay (NPTEL)	Jan-Apr 2021 (12 weeks)
	20	Millimeter Wave Technology	IIT Madras (NPTEL)	Jul-Sep 2021 (12 weeks)
	21	Module 1: Orientation Towards Technical Education and	NITTTR	September 2021

		Curriculum Aspects		
	22	Fundamentals of MIMO Wireless Communication	IIT Kharagpur (NPTEL)	Jan-Mar 2022 (8 weeks)
	23	Arduino Training	Spoken Tutorial Project, IIT Bombay	3rd June, 2022
	24	Module 2: Professional Ethics and Sustainability	NITTTR	July 2022
	25	Module 5: Technology Enable Learning and Life-long Self Learning	NITTTR	July 2022
	26	Module 6: Student Assessment and Evaluation	NITTTR	July 2022
Conference 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 to13th 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)	School of Engineering Shobhit University, Gangoh, Saharanpur, U.P., India	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)	Sri Sairam Engineering College IEEE Xplorer *(scopus indexed)*	10th & 11th March, 2022 DOI: 10.1109/IC3IOT53935.2022.9767954
	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)	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	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)	Sri Sairam Engineering College, Chennai IEEE Xplorer *(scopus indexed)*	8th and 9th December, 2022
Journal Details:	**Sl. No.**	**Title**	**Journal Name**	**Volume/Date**

	1	Music Recognition Using Hash Algorithm	International Journal of Applied Engineering Research *(scopus indexed)*	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	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
	8	Smart Rescuer	Ilkogretim Online - Elementary Education	2020; Vol 19 (Issue 4): pp.

			Online	6692-6700 doi: 10.17051/ilk online.2020. 04.765073
	9	Forest Fire Detection using Yolov3	International Journal of Engineering Technology and Management Sciences	July 2022, Issue: 4 Volume No.6, page No: 266-271 **DOI:10.46647 /ijetms.2022. v06i04.0045** **ISSN: 2581-4621**

	Sl. No.	Title	Name / Year of Publications	Edition/ISBN
Book Chapter:	1	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
	2	Flexible Devices (Recent Trends in Engineering And Technology – page: 28-36)	Sri Sai Raj Printers/ April 2021	978-819-47-1498-9
	3	Analysis of static power reduction techniques in shift registers (Lecture Notes in Mechanical Engineering-CAMSE2020) (page:-567-577)	Springer Nature Singapore Pte Ltd. / December 2020 *(scopus indexed)*	978-981-16-0942-8

	Sl. No.	Title	Journal Name	Volume/Date
Patent Details:	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