

Name:	Dr. M. Kanthimathi				
Designation:	Professor				
Qualification:	Ph.D				
Area of specialization:	Wireless Communications Systems and Wireless Sensor Networks				
Experience : (As On December 2022)	Industrial Experience		Teaching Experience		
	-		20 Years and 4 months		
Number of workshop / FDP attended:	Number of Workshops		Number of FDPs		
	5		10		
Publications:	Conference		Journal		
	National	International	National	International	
	9	10	-	11	
Patents:	National		International		
	1				
Professional Body Membership:	<div>➤ Life member in THE INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE) -M.No: LM 131452</div> <div>➤ Life member in the THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE)</div> <div>➤ IEEE Member: M.No: 98060059</div>				

Staff Achievements:	<ul style="list-style-type: none"> ➤ Anna University recognized supervisor- Supervisor Id: 3740005 ➤ Guiding 5 Ph.D scholars under Anna University. ➤ Won First prize in paper presentation in the IETE Zonal Seminar on Smart Engineering for Sustainable development on 20.9.2019 ATAL Mentor ➤ Received an amount of 12,86,275/- from AICTE (MODROB SCHEME) for the year 2109-2020. The title of the proposal is Upgradation of communication system lab to advanced communication system lab. 			
Guest Lectures and Seminar Presentations done in 2022:	<ul style="list-style-type: none"> ➤ Delivered a guest lecture on “ Energy Optimization in Wireless Sensor Network” for IV year ECE students, Paavai Engineering College on 3rd June 2022. ➤ Delivered a guest lecture on “ analog Electronics and signal Processing for wireless communication” for faculty, SRM Valliammai Engineering college on 10th June 2022. 			
Workshop Details:	Sl. No.	Title	Venue	Month/Year
	1.	Recent Trends in Wireless Information Networks and Systems	Sri Sairam Engineering College	February 2008
	2.	Advancements in VLSI, DSP, and RF Communication	BSA Crescent Engineering college	April 2006
	3.	Instructional Design and Delivery-II	TTTI Taramani	March 2003
	4.	VLSI Design	Jerusalem college of Engineering	November, 2002.
	5.	Wireless networks	SRM Institute of science and technology	December 2-3 2005.
	6.	Product Engineering for Real-Life Problems	IIT Research Park	28.9.2022 to 30.9.2022
	Sl. No.	Title	Venue	Month/Year

FDP Details:	1.	MIMO Communication and Networks	SRM University	February 2012
	2.	Recent development in computing	Sri Sai Ram Engineering college	April 2010
	3.	Digital Communication	SSN College of Engineering	11th June 2018 to 17th June 2018
	4.	High Performance Intelligent Real Time Embedded System Design and Internet of Things to Accelerate Automation System into Autonomous System"	R.M.K. Engineering College	01/09/2020 to 07/09/2020
	5.	Faculty Development Programme On Embedded Control System & Communication Networks	Valliammai Engineering college	MAY 11th to 15th 2020.
Conference Details:	Sl. No.	Title	Venue	Month/Year

	1.	Implementation of an Efficient Channel-Adaptive MIMO Detection Scheme	Sri Sai Ram Engineering college.	March 2012
	2.	Multiple Feedback Successive Interference Cancellation Detection for MU-MIMO Systems Scheme	Sri Sai Ram Engineering college.	March 2012
	3.	Efficient Channel – Adaptive MIMO Detection Scheme	RMK Engineering college	April 21, 2012.
	4.	Multiple feedback Successive Interference Cancellation using IDD Receiver	St. Xavier's Catholic College of Engineering	March 15 th and 16 th 2012.
	5.	Performance analysis of Adaptive switching between STBC and SFBC for MIMO-OFDM System	International conference on Intelligent Science and technology(SUN IIST-2011)	April 2011
	6.	Multiple feedback Successive Interference Cancellation with Multi-branch processing for MU-MIMO	Magna Engineering college	April 2012
	7.	Performance analysis of generalized differential modulation using DAPSK for bi-directional relay networks',	Computing and Communications Technologies (ICCCT), 2nd International Conference on, pp. 33-36.	Feb 2017

	8.	Reduced Complexity Maximum Likelihood Detection for DAPSK based Relay Communication Systems' in 2015.	IEEE International Conference on Computing and Communications Technologies, pp. 292-295.	2015
	9.	'Performance analysis of decode and forward Cooperative relaying Protocol in MIMO Wireless Communication System',	IEEE International Conference on Green Computing, Communication and conservation of Energy, pp. 164-168.	2013
	10	Low Profile Sierpinski Fractal Patch Antenna	International Conference on Communication, Computing and Internet of Things (IC3IoT)	2022
	11	Energy-Efficient spatial modulation in wireless sensor networks	International Conference on Communication, Computing and Internet of Things (IC3IoT)	2022

Journal Details:	Sl. No.	Title	Journal Name	Volume/Date
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	1.	Adaptive MIMO-OFDM Scheme with reduced computational complexity and improved capacity.	International Journal of Computer science and information Security (IJCSIS)	Vol. 9, No.3. March2011
	2	Energy efficiency analysis of differential cooperative algorithm in wireless sensor network	Cluster Computing	2018. (Thomson Reuters & Scopus Indexed, Impact Factor-2.04)
	3	Energy Efficient Constellation Rotation for Multiple-Symbol Differentially Encoded Communications	Journal of Computational and Theoretical Nanoscience.	vol. 14, no. 9, pp. 4236-4240, 2017
	4	Modulation Diversity for Differential Amplitude and Phase Shift Keying technique.	International Journal of Engineering & Technology.	vol 7, no.1.1, pp.418-420, 2018. (Scopus Indexed).
	5	Performance analysis of DAPSK modulated OFDM signals in two-way Relay Communication Systems.	International Journal of Applied Engineering Research.	vol. 10, no.75, pp. 143-147.
	6	A Dual Band Microstrip Patch Antenna with RF switch	International Journal of Innovative Research in Computer and	Vol. 5, Issue 3, March 2017, pp 1-6

	7	Energ Efficient Adaptive Routing Protocol for Wireless Body Area Networks (WBAN)	Communication Engineering IOSR Journal of VLSI and signal Processing	e-ISSN No: 2319-4200, PP 24-28
	8	Energy efficient differential cooperative MIMO algorithm for wireless sensor networks'	Wireless Personal Communications, Springer Publications	vol. 103, no. 4, pp. 2715-2728, ISSN:1572 - 834X(Imp act Factor: 1.20).
	9.	Advanced Driver Alert System for Ambulance Passby	Test Engineering and management journal	January - February 2020 ISSN: 0193 - 4120 Page No. 4634 – 4637.
	10.	Energy efficienct decision fusion for Differential Space-Time Block Codes in Wireless Sensor Networks	Indian Journal of Pure & Applied Physics	March 2020, vol 58, no 3, pp. 147-156
	11	Performance analysis of multiuser MIMO OFDM systems incorporating feedback delay and feedback error	Journal of Physics: Conference Series	First International Conference on Advances in Smart Sensor, Signal Processing and Communic

				ation Technolog y (ICASSCT 2021), 19- 20, March 2021, Goa, India
Patent Details	<p>Design Patent filed on 20.10.2021 has been accepted for Grant</p> <p>Application number: 351533-001</p>			
Academic and Administrative Responsibilities Held:	<ul style="list-style-type: none"> ➤ Department PG Coordinator since 2019 ➤ Department coordinator of SDG (Sustainable development goals) activities ➤ Head of Wireless Network group of ECE department ➤ Department SIH Coordinator ➤ Department member in Admission core team ➤ NBA Head of Department Criteria - 4 			
Research Visibility:	<ul style="list-style-type: none"> ➤ Vidwan-ID : 182177 ➤ Google Scholar Id: http://scholar.google.co.in/citations?user=8IObpvsAAAAJ ➤ Scopus Link: http://www.scopus.com/authid/detail.url?authorId=55541183900 ➤ ORCID: http://www.orcid.org/0000-0001-9408-3414 ➤ WoS research ID: https://www.webofscience.com/wos/author/rid/AAZ- 			

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