Name:	Dr.G.Valarmathy			
Designation:	Associate Professor /CSE(IoT)			
Qualification:	Ph.D			
Area of specialization:	**Artificial Intelligence and IoT**			
Experience : (As On December 2025)	**Industrial Experience**		**Teaching Experience**	
	-		22	
Number of workshop / FDP attended:	**Number of Workshops**		**Number of FDPs**	
	7		**20**	
Publications:	**Conference**		**Journal**	
	National	**International**	**National**	**International**
	10	**02**		**12**
Patents:	**National**		**International**	
	2			
Professional Body Membership:	Life member in THE INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE) LM57296 IEEE Member: M.No: 95013792			
Staff Achievements:	1. Received the Certificate of Achievement for ISO21001Lead Auditor on 18.07.2024 from the Knowledge Academy 2. Was recognized as a mentor for the NPTEL Online Certification course Introduction to Industry 4.0 and Industrial Internet of Things Jul - Dec 2024			

	3. Completed the Faculty Orientation Program (FOP) for delivering the Ignite Entrepreneurship Course conducted by Wadhwani Entrepreneur Network (NEN), Wadhwani Foundation from 23rd May, 2024 to 5th July, 2024 4. Completed All India Council for Technical Education (AICTE) Certificate, National Initiative for Technical Teachers Training eight module and has completed 5. Has worked as an Organizer and successfully conducted IT Skills course training for Sri Sairam Engineering College, Tamil Nadu students for the academic year 2023-2024. This training is offered by the Spoken Tutorial Project, IIT Bombay, which was established with funding from the Ministry of Education, Government of India. 6. Participated in the Professional Development Programme on "Curriculum Audit Training Phase" conducted by this National Institute of Technical Teachers Training and Research, Chennai at Sri Sairam Engineering College, Chennai, and Tamil Nadu. 7.		

Workshop Details:	Sl. No.	Title	Venue	Month/Year
	1.	National Education Policy 2020 - Technology Integration	Scrollwell in collaboration with Internal Quality Assurance Cell (IQAC) - Sri Sairam Engineering College	March 12, 2024
	2.	Deep Learning and Image Processing for Medical and Industrial Control Applications	IEEE Control Systems Society	26th and 27th September 2019.
	3.	Low Power VLSI and Cellular Technologies	G.K.M.C.E.T	25& 26th March 2011
	4.	VLSI	G.K.M.C.E.T	22 & 23rd March, 2010.
	5.	Improving Teaching Methodology and Developing the Personality	G.K.M.C.E.T	24th January 2009
	6.	Student Counseling	National Institute of Technical Teachers Training and Research, Chennai	22nd March 2008
	7.	Practical Training in ASIC Design & MATLAB based EDA Tools at , Chennai	Easwari Engineering College	15th to 19th Dec 2007.

	Sl. No.	Title	Venue	Month/Year
FDP Details:	1.	Search Methods for Problem-Solving	NPTEL- IIT Kharagpur	July-Oct 2025
	2.	Computer Vision	NPTEL-IIT Madras	July-Oct 2025
	3.	Introduction to Machine Learning	NPTEL-IIT Madras	July to Sep 2025
	4.	Natural Language Processing	NPTEL-IIT Madras	Jan to April 2025
	5.	AI and Quantum Computing: Glimpsing the Near Future	Sri Sairam Engineering College	20/01/2025 to 25/01/2025
	6.	IoT in Healthcare: Transforming Patient Care and Management	Sri Venkateswara College Of Engineering	09/12/2024 to 14/12/2024.
	7.	Securing the Future: Navigating Hardware Attacks in Networked Computing	Sri Krishna College of Technology, Coimbatore	11.03.2024 to 15.03.2024
	8.	Advanced Microsoft Power Bl and Data Analytics	Scrollwell in collaboration with MoE's Institution's Innovation Council	June 03 - 07, 2024
	9.	Innovative Teaching Strategies And Tools In The Digital Age	Scrollwell (IIC GGI Ludhiana)	pril 01 - 14, 2024
	10.	Python for Data Science	NPTEL	Jan to Feb 2024
	11.	UHV-II	AICTE at Sri Sai Ram Engineering College	23rd January to 27th January 2024.

	12.	Tensor Flow for Machine Learning	ICT Academy	27 Nov 2023 to 01 Dec 2023
	13.	Introduction to Industry 4.0 and Industrial Internet of Things	NPTEL	Jul to Oct 2023
	14.	Introduction to internet of things	NPTEL	Jul to Oct 2023
	15.	Inculcating Universal Human Values in Technical Education	AICTE) at Sri Sai Ram Engineering College	10th July to 12th July 2023
	16.	Recent Trends Challenges in Image Processing and Computer Vision	Online ATAL at Guru Gobind Singh IP University	29/11/2021 to 03/12/2021
	17.	Machine Learning with R Programming	National Institute of Technical Teachers' Training and Research Kolkata	25.10.2021 to 29.10.2021
	18.	Digital Image Processing	NPTEL FDP Kharagpur	July-Oct 2021
	19.	Python for Vision Techniques	VIT-Chennai	26th -30th July,2021
	20.	Get ready for AI with MATLAB andSIMULINK	Sri SaiRam Engineering College	18.06.20 to 20.06.20
	21	Image and Embedded Processing	NITTTR, Chandigarh.	11th to 15th May 2020
	22	Research Funding Projects and IPR	K.C. College of Engineering and Management Studies	7th to 10th May 2020.
	23	VDHL Programming	Sri Sai Ram Engineering College	6th March 2010.
	24	Digital Signal Processing	MIT Campus	01.12.2003 to 5.12.2003.

Conference Details:	Sl. No.	Title	Venue	Month/Year
	1.	ZENCENTS - A Comprehensive Expense Tracker	5th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS 2025)	26-28, November 2025.
	2.	A Deep Learning Model for Emotion Recognition Using Speech Signals	7TH IEEE International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA) 2025	1-2 November 2025
	3.	Action Sync: A Real-Time Edge-AI Framework for Coordinated Vehicle Tracking and Surveillance	7TH IEEE International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA) 2025	1-2 November 2025
	4.	Quantum cryptography based encryption:-A secure transmission and transaction of protocol	7TH IEEE International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA) 2025	1-2 November 2025
	5.	Smart Asset Locator: An IoT-Based Solution for Enhanced Object Tracking and Retrieval	7TH IEEE International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA) 2025	1-2 November 2025
	6.	Intelligent Hospitalization	7TH IEEE International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA) 2025	1-2 November 2025

7.	Online Voting System using Blockchain Technology	IEEE 4th International Conference for Advancement in Technology (ICONAT)	19th to 21st September 2025
8.	Smart Drone For Surveillance And Reducing Human Elephant Conflicts	IEEE 4th International Conference for Advancement in Technology (ICONAT)	19th to 21st September 2025
9.	Medico: Transforming Intravenous Therapy with Machine Learning and Internet of Things	2nd International Conference on Computing and Data Science (ICCDS-2025),	25th & 26th July 2025,
10.	Gesture Recognition Gloves for Sign Language Translation	1st International Conference on Sustainable Developments in Electronics, Computing & Communications, (5G-SDECC: 2024	26th – 27th July 2024
11.	CV2X Based Ambulance Integrated with 5G Technology	4th Asian Conference on Innovation in Technology (ASIANCON)	23rd & 25th August 2024
12.	Design and Implementation of Green Vista Hydroponic Fodder Grow Hub	3rd International Conference on Advances in Signal Processing, VLSI, Communications and Embedded Systems (ICSVCE - 2024)	25th-26th October, 2024
13.	Brain Tumor detection using SVM classifier.	GKM college of Engineering and Technology	20th March 2019.
14.	Face Recognition using IOT	GKM college of Engineering and Technology	20th March 2019
15.	Web Controlled Robotic Car	Jeppiar Engineering College	23rd and 24th March 2018.
16.	Dual Resonant Frequency Antenna For Mobile Communications	Bell hotel Convention Center,	April 5, 2015

	17.	Second Harmonic Suppression at X-Band for Patch Antenna	Sri Vidhya College of Engineering & Technology	April 20,2013
	18.	Harmonic Suppression at X-Band for Patch Antenna	GKM college of Engineering and Technology	March 25-27,2013
	19.	An RTOS based architecture for health monitoring with wireless sensor network	Fifth International Conference on Application in Electrical, Electronics, Computer , Civil and Mechanical Engineering	5'ICAEECCM E-2016 April 25,2016
	20.	Speech Separation using Fast ICA method for Home Automation	International conference on Science, Technology, Engineering and Management	(ICONSTEM-2015, 26 and 27 March 2015).
	21.	Optimization of Build-To-Order Supply Chain for an Electronic Product	International Conference on Operations Research applications in Engineering and Management, Anna University Tiruchirappalli.	**ICOREM** May 27- 29,2009).

Journal Details:	Sl. No.	Title	Journal Name	Volume/Date
	1.	Medico: Transforming Intravenous Therapy with Machine Learning and Internet of Things	2025 2nd International Conference on Computing and Data Science (ICCDS-2025)	IEEE XPLORE
	2	Gesture recognition gloves for sign language translation	Security Issues in Communication Devices, Networks and Computing Models Volume 1	CRC PRESS
	3	An Automated Framework to Segment and Classify Gliomas using Hybrid Shuffled Complex Evolution with Convolutional Neural Network	PRZEGLĄD ELEKTROTECHNICZNY, ISSN 0033-2097, R. 100 NR 7/2024	
	4	CV2X Based Ambulance Integrated with 5G Technology.	2024 4th Asian Conference on Innovation in Technology (ASIANCON) Pune, India. Aug 23 - 25, 2024	IEEE XPLORE
	5	Liver Tumor detection and segmentation using Cascaded FCNN	2024 International Conference on Computational Intelligence for Green and Sustainable Technologies (ICCIGST)	IEEE XPLORE
	6	A Novel Non-Volatile SRAM with Reduced Read Delay.	2023 International Conference on Next Generation Electronics (NEleX)	IEEE XPLORE
	7.	An Automated Framework to Segment and Classify Gliomas Using Efficient Shuffled Complex Evolution Convolutional Neural Network	Journal of Medical Imaging and Health Informatics	American Scientific Publishers
	8.	An Automated Framework to Segment and Classify Gliomas Using Efficient Segmentation and Classification	International Journal of Advanced Science and Technology	

	9.	Hybrid Multiple-Input Multiple-Output OFDM Index Modulation for 5G Wireless System	International Journal of Science and Research	
	10.	Au Courant Water Controller	International Journal of Innovative Research in Science, Engineering and Technology	
	11.	Smart voting system using aadhar	International Journal of Research in Electronics (IJRE)	
	12	Design and Control of Defense Robot Based On Virtual Reality	International Journal of Science & Research (**IJSR** Vol-05-Issue-03- March 2016).	
	13	Security Monitoring Scheme for Coal Mine workers	International Journal of Engineering Science invention Research & Development (**IJESIRD** Vol-02-Issue-09-March 2016	
	14.	Dual Resonant Frequency Antenna For Mobile Communications	International Journal for Research in Applied Science & Engineering Technology (**IJRASET** Vol-03-Issue-04-April 2015).	
	15	Harmonic Suppression at X-Band for Patch Antenna	International Journal of Computer Science & Applications (**TIJCSA** Vol-02-No-04-June- 2013	

Patent Details	Patent Published on Online Voting System Using Block chain Technology To Enhance Digital Democracy, Application No.202441083957 A, Publication Date : 08/11/2024 Patent Published on Smart asset locator: An IoT-Based Solution for efficient object tracking and retrieval, Application No.202541096827A, Publication Date : 07/11/2025
Academic and Administrative Responsibilities Held:	➢ Department coordinator of IQAC ➢ Department coordinator of Exam cell ➢ Department coordinator of WooW cell ➢ Department Coordinator of IIT spoken Tutorial ➢ Department ExamCell Coordinator ➢ IEEE SCOPE MEMBER UFFCS
Research Visibility:	➢ Vidwan-ID : **425697** ➢ Google Scholar Id: https://scholar.google.com/citations?user=pz0BEIcAAAAJ&hl=en&oi=sra ➢ ORCID: https://orcid.org/0000-0001-9624-5317