


Name:	Mrs. N. T. Velusudha			
Designation:	Assistant Professor			
Qualification:	M.E			
Area of specialization:	Image Processing			
Experience : (As On December 2022)	Industrial Experience	Teaching Experience		
	-	8 years		
Number of workshop / FDP attended:	Number of Workshops	Number of FDPs		
		6		
Publications:	Conference		Journal	
	National	International	National	International
	3	12	-	-
Patents:	National		International	
	1			
Professional Body Membership:	<ul style="list-style-type: none"> ➤ Life member in THE INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE) -M.No: LM 142494 ➤ IEEE Member: M.No: 101639394 			
Staff Achievements:	<ul style="list-style-type: none"> ➤ Received Silver medal in Anna University Semester Examination from SSN College of Engineering. 			

FDP Details:	Sl. No.	Title	Venue	Month/Year
	1.	Received Elite Certification with Top 5% score(73 marks) in the 12-week NPTEL-AICTE FDP course on "Computer Vision and Image Processing – Fundamentals and Applications" conducted during	NPTEL-AICTE FDP	Jan–Apr 2025.
	2.	Successfully completed the 12-week NPTEL-AICTE FDP course on "Applied linear Algebra for Machine Learning"	NPTEL-AICTE FDP	Jan–Apr 2025.
	3.	Participated in the Professional Development Programme on ‘Communication systems and Its application in Underwater’	National Institute of Technical Teachers Training and Research, Chennai	16/12/2024 to 20/12/2024.
	4.	Attended five days FDP on ‘IoT SECURITY’	Department of Electrical and Electronics Engineering, DMI College of Engineering, Chennai,	05th – 09th August 2024

Conference Details:	Sl. No.	Title	Conference Name	Volume/Date
	1.	Distributed Generation Planning in Multi-Energy Microgrids	1 st International Conference on Power and Energy Systems (ICPES 2023)	Volume 540, 2024
	2	Smart Grid Management System Based on Machine Learning Algorithms for Efficient Energy Distribution.	E3S Web of Conferences, International Conference on Smart Engineering for Renewable Energy Technologies (ICSERET-2023)	Volume 387, 2023
	3	Evaluation of Focused Web Crawlers in Real-World Scenarios	2023 3rd International Conference on Technological Advancements in Computational Sciences (ICTACS).	25 January 2024
	4	The Role of Work Motivation and Work Environment in Improving Job Satisfaction	2024 International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS)	24 October 2024

		Based on DCNN and SVM Approach		
	5	Transforming Shopping with IoT: Exploring the Intelligent Way to Design the Smart Trolley using IoT Principles	2024 IEEE International Conference on Big Data & Machine Learning (ICBDML), Bhopal, India, 2024,	02 July 2024
	6	A Comparative Analysis of Noise Reduction Techniques in Magnetic Resonance Imaging	2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), Kamand, India, 2024	04 November 2024
	7	Optimization of Gearless Wind Power Conversion Systems: Reducing Mechanical Losses and Improving Reliability	International Conference on Renewable Energy Resources and Applications (ICRERA-2024)	14 November 2024/Volume 59 1, 2024
	8	Image Processing Techniques for Leaf Disease Detection based on ELM-SSA Approach	2023 3rd International Conference on Innovative Mechanisms for Industry Applications (ICIMIA)	18 April 2024
		Denial-of-Service	2024 Global Conference on	

	9	Attack Detection in Wireless Sensor Networks: A Simple Artificial Intelligence Method	Communications and Information Technologies (GCCIT)	06 February 2025
	10	Unveiling the Mysteries and Truths Hidden Within Mod-ern Transistors and Terabyte Architectures	2024 IEEE 4th International Conference on ICT in Business Industry & Government (ICTBIG)	13 March 2025
	11.	Enhanced Identification of Curving Lanes Using a Neural Network Model with Minimal Complexity	2024 IEEE 4th International Conference on ICT in Business Industry & Government (ICTBIG)	13 March 2025
	12	Text Mining for Automated Data Analysis and Information Retrieval	15th International Conference on Computing Communication and Networking Technologies (ICCCNT), Kamand, India, 2024.	04 November 2024
	13	Morphological Segmentation with Modified Otsu's Method and Multi-Scale Morphological	2024 IEEE 2nd International Conference on Innovations in High Speed Communication and Signal Processing (IHCSPP)	16 April 2025

	14	Processing for Shape Recognition The Performance Analysis of Digital Signature Protocols for Enhancing Network Security	2023 3rd International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON)	28 February 2024
Patent Details	Title of Invention: Battery Cooler in E-Bike. The Patent Office Journal No. 51/2024. Dated 20/12/2024.			
Research Visibility:	<ul style="list-style-type: none"> ➤ Vidwan-ID : 633045 ➤ Google Scholar Id: https://scholar.google.co.in/citations?view_op=list_works&hl=en&user=4V9hJasAAAAJ ➤ Scopus 58294229700 ➤ ORCID: https://orcid.org/0009-0001-4474-0209 			