DEPARTMENT OF COMPUTER AND COMMUNICATION ENGINEERING

Name of the Faculty	Dr.N.Vinitha
Gender	Female
DOB	20.12.1989
Qualification	B.E, M.E, Ph.D
Designation	Assistant Professor
Date of Joining	01.07.2024
UG Degree Completion	2011
UG- Name of the University	Anna University
PG Degree Completion	2013
PG-Name of the University	Anna University
Area of Specialization	UG: B. E- ECE	PG: M.E- Communication Systems
PhD - Yet to be Registered	-
PhD Pursuing	-
PhD Completion	Yes
Phd– Name of the University	Anna University

PhD Specialization	Machine Learning
Research Interested area	Digital Image Processing, Machine Learning, Deep Learning,
Courses Taught in UG / PG Level	- Entrepreneurship - Machine learning Lab - Digital Design and Computer Organization with Lab - Data Warehousing and Data Mining - Skill enhancement

Experience	**Teaching**	**1 Years 2 Months** Sri Sairam Institute of Technology, Dept of CCE [01.07.2024 -Till Date]
	Research	6 Years
	Industry	NA
	Others	-
Attended	**Workshop**	- Participated in the webinar on **"WATER AND SANITATION FOR DEVELOPMENT"** organized by SSN College of Engineering, Chennai. - Participated in one day national workshop on **"INSTRUMENTAL METHODS OF ANALYSIS (IMA)"** organized by SSN College of Engineering, Chennai. - Participated in one day national workshop on **"WRITING SCIENTIFIC RESEARCH PAPER- PHASE VII"** organized by SSN College of Engineering, Chennai. - Participated in one day national seminar on **"SOLUTIONS TO REAL TIME CHEMICAL ENGINEERING PROBLEMS USING ANN & PRIMAVERA P6"** organized by Saveetha Engineering College, Chennai. - Participated in the fifth National seminar on **"RESEARCH ISSUES IN DIGITAL IMAGE PROCESSING"** organized by MEPCO SCHLENK ENGINEERING COLLEGE, Sivakasi.

	Attended the Virtual Faculty development program on **"WASTE AUDIT AND MANAGEMENT FOR FUEL/ VALUE ADDED MATERIALS RECOVERY"** organized by Sathyabama Institute of Science and Technology, Chennai. Attended a National level seminar on **"RESEARCH TRENDS IN WIRELESS COMMUNICATION and NETWORK TECHNOLOGIES"** organized by the KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, Viruthunagar. One day Seminar on "**ROLE OF ROBOTICS IN DEFENCE through UNMANNED GROUND VEHICLES with domains focusing on MECHATRONICS, CONTROL SYSTEMS, EMBEDDED SYSTEMS, FUZZY SYSTEMS, DRIVE BY WIRE, TELEOPERATION AND MOBILE MANIPULATORS"** organized by the Department of Information Technology, Francis Xavier Engineering College. Participated in the 1st International Workshop on **"ADVANCED ENERGY CONVERSION TECHNIQUES"** organized by SSN College of Engineering, Chennai.
Conferences	Presented a paper titled "Application of machine learning algorithm in optimization of bioethanol production" in the **INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN CHEMICAL, ENVIRONMENTAL & ENERGY ENGINEERING** organized by SSN College of Engineering, Chennai. Presented a paper titled "Application of image coordinate system analysis for rapid determination of dye removal" in **3rd INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN CHEMICAL, ENVIRONMENTAL & ENERGY ENGINEERING** organized by SSN College of Engineering, Chennai. Presented a paper titled "END TO END DATA SECURITY USING ADVANCED ENCRYPTION STANDARD

ALGORITHM" in the **NATIONAL CONFERENCE ON VLSI AND IMAGE PROCESSING** organized by Velammal Engineering College, Chennai.

- Presented a paper titled "A NOVEL DESIGN OF NLMS ALGORITHM FOR EARPHONE USING ADAPTIVE FILTER" in the **FIFTH NATIONAL CONFERENCE ON RECENT TRENDS IN INFORMATION AND COMMUNICATION TECHNOLOGY** conducted by Bannari Amman Institute of Technology, Coimbatore.

- Presented a research paper titled "SLOT LOADING TECHNIQUE FOR A COMPACT OMNIDIRECTIONAL ANTENNA USING ANSOFT HFSS" in the **INTERNATIONAL CONFERENCE ON ADVANCED TECHNOLOGIES FOR RESEARCH & PRODUCT DEVELOPMENT** which is organized by Kathir College of Engineering, Coimbatore.

- Presented a paper titled "ACHIEVING ENERGY COMPETENT AND AUTHENTICITY COMMUNICATION IN SENSOR NETWORK" in the **EIGHTH NATIONAL LEVEL CONFERENCE ON "HIGH PERFORMANCE COMPUTING"** conducted by Government college of Engineering, Tirunelveli.

- Presented a paper in AMBITUS'09 A **NATIONAL LEVEL TECHNICAL SYMPOSIUM** in the event **"PAPER PRESENTATION" held** on Panimalar Engineering College, Chennai.

- Presented a paper titled "ENHANCING SECURITY FOR DATA TRANSMISSION IN WIRELESS SENSOR NETWORK NODES" in the **FOURTH INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTER,**

		COMMUNICATION AND MANAGEMENT organized by Sun College of Engineering and Technology, Erachakulam.
		☐ Presented a paper titled "ANALYSING ENERGY REDUCTION FACTOR FOR ENERGY SAVING IN WIRELESS SENSOR NETWORK USING NETWORK SIMULATOR" in the **INTERNATIONAL CONFERENCE ON ENGINEERING APPLICATIONS** organized by Sardar Raja College of Engineering, Alangulam.
		☐ Presented a paper titled "IMPROVING THROUGHPUT RATE USING SPLITTING ALGORITHM BASED ON CHINESE REMINDER THEOREM" in the **NATIONAL CONFERENCE ON INNOVATIVE ENGINEERING** conducted by Satyam college of Engineering & Technology, Aralvoimozhy.
	FDP	**30**
Organized	**Guest Lecture**	2
	Conferences	
	FDP	**0**
Professional Membership		**IEEE- membership in 6 societies**
No. of papers published in National Journals / Conferences		
No. of papers published in International Journals / Conferences		2
No. of Books published		1
No.of UG Students Guided		12
No.of PG Students Guided		0
No.of PhD's Guided		0

Research Funded Projects	NIL
Patents	2
Technology Transfer	Attending FDP and Certification courses (NPTEL) related to the handling Subject for better and confident delivery of lectures.
Achievements	● Completed C/C++ Certification Course ● Anna University Rank holder in PG ● Organized many events and got appreciation.
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Mother Name	P.Elizabeth Jeyarani
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