

PERSONAL DETAILS AND AFFILIATION

Name of the Faculty Member	S.SULOCHANA	
Designation	Assistant Professor (Senior Grade)	
Department	Electronics & Communication Engineering	
Date of joining the institution	08.05.2023	
Date of Birth	24.05.1984	
Address for Communication	Plot No: 294, Kiruba Nagar, Keezhanatham Post, Tirunelveli.	
Email ID	sulochana-ece@nec.edu.in	
Scopus Id:	60514914200	
Orchid ID:	0009-0009-8531-1054	

EDUCATIONAL QUALIFICATION

S.NO.	QUALIFICATION	INSTITUTION STUDIED	UNIVERSITY / BOARD	YEAR OF PASSING
1	B.E. (ECE)	Francis Xavier Engineering College	Anna University-Chennai	2005
2	M.E. (Communication Systems)	PET Engineering College, Valliyoor	Anna University-Tirunelveli	2011
3	Ph.D.,	Anna University-Chennai	Anna University-Chennai	Pursuing

EXPERIENCE

S.NO.	NAME OF THE INSTITUTION / ORGANIZATION	POSITION HELD	FROM	TO	EXPERIENCE	
					Y	M
1	National Engineering College, Kovilpatti	Assistant Professor (Senior Grade)	02.07.2026	Till Date		
2	National Engineering College, Kovilpatti	Assistant Professor	08.05.2023	01.07.2026	3	1
3	Thamirabharani Engineering College	Assistant Professor	19.08.2021	29.10.2022	1	2
4	Dr. Sivanthi Aditanar College of Engineering	Assistant Professor	08.07.2013	09.08.2021	8	1
5	SCAD College of Engineering & Technology	Assistant Professor	02.12.2010	26.10.2012	1	11
6	SCAD College of Engineering & Technology	Lecturer	05.03.2007	30.06.2009	2	4
	V.P.M.M. Engineering College for Women	Lecturer	03.04.2006	03.03.2007	-	11

LIST OF INTERNATIONAL JOURNAL PUBLICATIONS

1	C.J., Alex, C. John,R.S., Aashish, R. S.,C.K., Balasundari, C. K.,S., Sulochana, S.,E., Karthikeyan, E. , Design and FPGA Implementation of High-Speed Reconfigurable Hybrid Approximate Adder for Image Processing Applications
2	Sulochana, S., & Suja Priyadharsini, S. (2026). Brain Tumor Segmentation and Classification from MRI Using a Deep Transfer Learning Model. <i>IETE Journal of Research</i> , 1-12.
3	Published a research paper entitled, ‘Design Specific Path Delay Testing in Look up table based FPGA’s” in “International Journal for Scientific and Advanced Research Technology”, 5(3), 2395-1052,(2019).
4	Published a research paper entitled, “Generation of Power using Piezoelectric and heat sensor” in “International Journal of Current Engineering & Scientific Research”, 6(1), 2394-0697, (2019).
5	Published a research paper entitled, "VLSI Implementation of ADC Using Aliasing Free Pulse Width Modulation" in “IJRSI”, 3(4), 103-107, (2016).
6	Published a research paper entitled, “Automatic Anatomical Segmentation Techniques In 3D MRI Brain Segmentation Evaluation Based on Modified Fuzzy Clustering Method" in "IJAER", 10 (4), 8487-8498, (2015).

7	Published a research paper entitled, “Reduction of Musical Noise by Weiner Post processing Method” in “IJSER”, 5(1), 2182-2186, (2014).
---	---

LIST OF NATIONAL/INTERNATIONAL CONFERENCES PUBLICATIONS

1	Presented a paper in the, “International Conference on ICISS 2026, titled “Design and FPGA Implementation of High-Speed Reconfigurable Hybrid Approximate Adder for Image Processing Applications” in SCAD College of Engineering & Technology on 4-6 March 2026.
2	Presented a paper in the, “International Conference on Recent Advances in Interdisciplinary Quantum Computing and Communication Technologies”, title “Efficient plant leaf disease detection using deep learning” 10.04.2026.
3	Presented a paper in the, “National Conference on Recent Trends in VLSI, Communication & Embedded Technologies”, title “A Clever System of Providing Outpass Using Android Application” in Dr.Sivanthi Aditanar College of Engineering on 14.03.2019
4	Presented a paper in the, “National Conference on Innovative Technologies in Engineering”, title “An Affordable Ecological Age Booking Considering Air Profanation Control by Producing Electricity” in Dr.G.U.POPE College of Engineering on 09.03.2019
5	Presented a paper in the, “National Conference on Recent Trends in VLSI, Communication & Embedded Technologies”, title “Smart Walking Stick for Blind Person”, Dr.Sivanthi Aditanar College of Engineering on 16.03.2018
6	Presented a paper in the, “National Conference on Engineering & Applications” title “Power Generation Using Piezo Electric & Heat Sensors Using Ardino” in Universal College of Engineering on 28.03.2017.
7	Presented a paper in the “National Conference on Recent Trends in Communication & Information Technology”, topic “Design & Implementation of Aliasing Free Digital PWM in ADC” in Knowledge Institute of Technology on 07/03/2015
8	Presented a paper in the, “International Conference on Networks, Electronics, Communication & Control” title “Implementation Of Aliasing Free Digital Pulse Width Modulation in ADC” in CAPE Institute of Technology from 05/03/2015 to 06/03/2015.
9	Presented a paper in the, “International Conference in Modeling Optimized and Computing” title “Detection of Ventricular Ectopic Beat in Non-invasive Fetal ECG Extraction” in Noorum Islam Centre for Higher Education on 11.04.2012

10	Presented a paper in the, “International Conference in Innovative Techniques in Power Engineering & Drives”, title “Level Set Approach to Segmentation Bias Correction of MRI Images with Intensity Inhomogeneity” in Velammal College of Engineering on 22.03.2012
11	Presented a paper in the, “International Conference on Intelligent Science and Technology” title “Reduction of Residual Noise by Time-Frequency Block Thresholding” in SUN College of Engineering & Technology on 25/03/2011.

WORKSHOPS/SEMINARS /TRAINING PROGRAMMES ATTENDED		
S.NO.	NAME OF THE PROGRAMME & VENUE	DATES WITH DURATION
1	National Level Seminar on Recent Trends in Communication Technologies organized by Velammal College of Engineering	27.08.2010
2	National Workshop on MATLAB Programming and Applications organized by Kongu Engineering College	20.07.2012 - 21.07.2012
3	National Workshop on Embedded Systems organized by Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	19.08.2013
4	National Workshop on 3G/4G Mobile Technology with EMI-EMC Compliance & RF Design Using ANSOFT Software organized by Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	20/02/2014 & 21/02/2014
5	National Workshop on VLSI Design & Implementation Using Xilinx organized by Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	25/03/2014 26/03/2014
6	National Workshop on ARM Processor Architecture and Interfacing organized by Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	09/08/ 2014
7	National Workshop on Software Defined Radio organized by Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	30/01/2015
8	National Workshop on Design Skills with ANSOFT organized by Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	20/02/2015 & 21/02/2015
9	IEEE Sponsored Two Days National Workshop on ARM7 With hands on Training organized by Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	29/09/2015 & 30/09/2015
10	IEEE Sponsored One Day National Workshop on Signal & Image Processing Using MATLAB organized by Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	26/09/2016

11	National Workshop on Controllers and Communication System Design Using LABVIEW organized by Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	01.04.2017
12	Hands on With LATEX organized by Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	26.04.2017
13	National Workshop on Research Awareness Seminar Boot Camp for Engineering Researchers organized by Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	09.11.2017 & 10.11.2017
14	National Workshop- Industry Orientation on Embedded System Development organized by Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	08.01.2018 to 14.01.2018
15	Industry Orientation Workshop- Embedded Design with Beaglebn Development Board organized by Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	24.02.2018
16	National Workshop on Research Avenues of Electronics & communication Engineers organized by Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	24.08.2018 & 25.08.2018
17	National Workshop on Signal Processing & Photonics Applications in MATLAB organized by Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.	01.03.2019 & 02.03.2019
18	Webinar on Emerging Trends and Solutions for Low Power VLSI Circuits organized by Francis Xavier Engineering College, Tirunelveli.	10.06.2020
19	Webinar on Challenges and Opportunities in VLSI Design organized by VV College of Engineering, Tisayanvillai.	12.06.2020
20	Webinar on Antenna organized by PET Engineering College, Valliyoor	31.05.2021
21	Webinar on Artificial Intelligence and Machine Learning organized by Sri Ramakrishna Institute of Technology	31.05.2021
22	Webinar on SLAM Robotics organized by Sri Chandrasekerendra Saraswathi Viswa Mahavidyalaya, Kanchipuram.	01.06.2021
23	Roadmap to get Quality Patent organized by DMI College of Engineering	06.10.2021
24	Machine Learning Using Python organized by IEEE Madras Section	03.12.2021 to 05.12.2021
25	Emerging Trends in Internet of Energy organized by PET Engineering College	25.01.2022
26	Pitching Events for Ideas Scouted and Linkage with Innovation Ambassadors for Mentorship Support organized by SCAD College of Engineering & Technology	31.01.2022

STUDENT FUNDED PROJECTS

1	TNSCST sponsored for student project entitled, Android application for College management System with a total cost Rs.7000/- during 2018-19
---	--

NPTEL COURSES COMPLETED

1	Digital Electronics during Jan – April 2019
2	Design Thinking – A Primer during July to August 2023
3	Deep Learning during July to October 2023
4	Principles of Signals and Systems July to October 2024
5	Digital Circuits during July to October 2025

FACULTY DEVELOPMENT PROGRAMME(FDP) ATTENDED

Sl. No.	Name of the FDP	Name and address of the venue	Year
1	Computer Vision Technology for Biomechanics Applications	VIT Chennai	2025
2	FDP on Quantum Computing	VIT Chennai	2025
3	Intelligent Signal Processing Techniques	IIST, Thiruvananthapuram	2024
4	Deep Learning	NPTEL	2023
5	Design Thinking – A Primer	NPTEL	2023
6	Five day online Faculty Development Training Program on Recent Advancements in Artificial Intelligence & IOT	R.M.K. College of Engineering & Technology, Tiruvallur	2023
7	Machine Learning Applications	NIT - Warangal, IIIT- Kurnool & DIET- Visakhapatnam	2023
8	Current Trends in Information Technology	MEASI Institute of Information Technology	2022
9	Five Day National Level Faculty Development Programme (FDP) on Advances in MEMS, RF MEMS & Signal Processing	Presidency University- Online	2022
10	Virtual FDP on “Research Methodology and IPR”	St. Xaviers Catholic College of Engineering, Chunkankadai, Nagercoil.	2022
11	Embedded Systems using ARM 7 Microcontroller EC 6711 (Embedded Lab)	Dr. Sivanthi Aditanar College of Engineering, Tiruchendur	2015

12	Embedded Systems with ARM 7 Microcontroller	Govt College of Engineering, Tirunelveli	2015
13	EC 6403 Electro Magnetic Fields	Sri Vidya College of Engineering & Technology, Virudhunagar	2014

TECHNICAL LECTURES DELIVERED

Sl. No	Area of the Guest Lecture	Venue	Date
1	Recent trends in Digital Signal Processing	Holy Cross Engineering College	21.09.2013
2	Filter Design in DSP	CAPE Institute of Technology	26.09.2017
3	Application of MATLAB	CAPE Institute of Technology	24.09.2018
4	Signal Processing Essentials: Understanding Signals and Systems	SCAD College of Engineering and Technology	04.11.2024
5	Analysis of Continuous and Discrete Time Signals	SCAD College of Engineering and Technology	06.10.2025

MEMBERSHIP DETAILS

1	Indian Society for Technical Education(ISTE) - Life Member-LM94513
---	--

SIGNATURE