Mrs. C.Swedheetha,
Assistant Professor,
Department of CSE,
Velammal College of Engineering and Technology
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ACADEMIC DETAILS:

Class / Course	Name of the Institution	Board of Study	Year of Passing	CGPA (or) %	Class Obtained
Ph.D (RF Antennas)	Sethu Institute of Technology	Anna University	In Progress	---	---
M.E. (Communication System)	Thiagarajar College of Engineering, Madurai.	Anna University	2015	9.04	First Class with Distinction
B.E (ECE)	Kalasalingam University, Srivilliputtur.	Kalasalingam University	2013	8.41	First Class with Distinction

EXPERIENCE:

NAME OF THE INSTITUTION	DESIGNATION	DATE OF JOINING	DATE OF RELIEVING
Velammal college of Engg and Tech.	Assistant Professor	11.08.2023	Till date
Vaigai College of Engineering	Assistant Professor	17.08.2021	19.08.2022
Kalasalingam University	Assistant Professor	02.05.2016	30.04.2019

AREA OF INTEREST:

Wireless Body Area Networks

Antennas for Wireless Applications.

Electroctromagnetic Wave Theory

Analog/Digital Electronics.

Analog /Digital Communication

SKILL SET:

Languages : C, C++,Assembly, Embedded C,VERILOG,VHDL

Technical Packages : MATLAB-2012 (Signal Processing& Image Processing), Keil µVision Compiler, Modelsim, Quartus II, ADS 2009, HFSS, CST Microwave Studio 2012,Labview

CONFERENCES /JOURNALS/PUBLICATIONS:

C.Swedheetha, Radha, S., S. Maragathasundari, **"Analysis on a non-Markovian batch arrival queuing model with phases of service and multi vacations in cloud computing services."** International Journal of Mathematics in Operational Research 24.3 (2023): 425-449. **[Impact Factor – 2.12]**

C.Swedheetha, P. Manikandan, P. Sivakumar, B. Mahesh, K. V. Manikanta Deenadayal and D. Mohan Reddy, **"Fractal Based Switchable Multiband Antenna for 5G Applications,"** 2022 4th International Conference on Advances in Computing, Communication Control and Networking (ICAC3N), Greater Noida, India, 2022, pp. 1652-1655, doi: 10.1109/ICAC3N56670.2022.10074300. **(IEEE Explore- Digital Library**).

C.Swedheetha, Maragathasundari, S., Muthanantham, M., Vanalakshmi, R. (2022, March). **"Queuing Analysis in Robotic Process Automation"** In 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS) (Vol. 1, pp. 174-181). **(IEEE Explore- Digital Library**).

C.Swedheetha, Ramesh, G., Manikandan, P., Naveen, P., Saravanan, M., Kumar, S.A. 2022, October. **" Energy Efficient High Performance Adder/Subtractor Circuits" In 2022 3rd International Conference on Smart Electronics and Communication (ICOSEC) (pp. 333-338). (IEEE Explore- Digital Library**).

- **C.Swedheetha**, B.Manimegalai, Suganya, "**Minkowski Fractal Based Antenna for Cognitive Radio**", IMARC 2014 International Microwave and RF Conference, published in IEEE Conference Proceedings(**IEEE Explore- Digital Library**).

C.Swedheetha, S.Maragathasundhari**," M/G/1 Queue with Compulsory short vacation and reneging during optional Long vacation**" International Journal of Pure and Applied Mathematics. **(IEEE Explore- Digital Library**).

C.Swedheetha,P.Manikandan,P.Sivakumar,**"Design of Adaptive Frequency Reconfigurable Antenna for MIMO Applications"** SCDA 2018. International

conference on soft computing and data Analytics.**[Springer Book Chapter]**

C.Swedheetha, B.Manimegalai, "**Modified Triangular shaped Fractal Antenna for Wideband Wireless Applications**", presented in Seminar and Poster session on Emerging Antenna Technologies, April 4, 2015.

C.Swedheetha, P.Manikandan,P.Sivakumar,B.Manimegalai**, "Dual band, Dual Polarized Frequency Reconfigurable Antenna for SATCOM Application"** ATMS 2016. Antenna Test and Measurement Society, 2016

C.Swedheetha,Rampranav,Sravan,Uday Kumar, **" Ploughing Bot",** International Journal of Electronics, Electrical and Computational System, IJEECS April 2018.

WORKSHOPS/GUEST LECTURES/SEMINARS:

National Workshop on 'Semiconductor Device Modeling and its Applications'

Attended two days workshop on **"Research Implications and Analysis of Smart Antenna Systems for Advanced Imaging"** held on sep.11&12 at Kongu Engineering College, Erode.

Attended IEEE AP-S Workshop on **"Advanced Antenna Technology"**, held on November 5-7, 2014 at SSN College of Engineering, Kalavakkam.

Participated in the two days workshop on **"Emerging Antenna Technologies"** conducted by Thiagarajar College of Engineering, Madurai.

Participated in the one day workshop on **"Computational Electromagnetics"** conducted by Thiagarajar College of Engineering, Madurai.

Participated in the two days workshop on **"EMI/EMC Measurements"** conducted by Thiagarajar College of Engineering, Madurai.

Participated in the two days workshop on **"Touch Screen Robotics"** conducted by Coimbatore Institute of Technology, Coimbatore.

Participated in the one day workshop on **"Open Source Software"** conducted by Kalasalingam University, Krishnankoil, Virudhunagar.

Participated in the one day workshop on **"Cloud Computing and Grid Computing"** conducted by Kalasalingam University, Krishnankoil, Virudhunagar.

AWARDS AND CERTIFICATIONS:

Awarded with Second Prize as a Top performers in the national level **event "Ideathon-2022 Next Big Innovation"** Organized by **Atal Community Innovation Centre (ACIC) RISE Association**, supported by AIM, NITI Aayog (Govt. of India)

Qualified in **GATE -2013** with percentile of 87.13

Obtained **INTERNATIONAL CERTIFICATION - B1 Level of " BEC VANTAGE"** Conducted by **University of Cambridge**

Obtained Masters Degree in Hindi issued by **Dakshin Bharat Hindi Prachar Sabha.**

"Best Theory with Practical Component Award 2016" given by KLU-IQAC for the course ECE208 Control System Engineering.

Certified **LabVIEW Associate Developer (CLAD)** issued by National Instruments (NI) Services on December 21, 2018.

CLAD Certified Developer with the score of **92.5.**

Certified **VLSI,VHDL & PCB DESIGN** issued by HPE Education Services(Hewlett Packard Enterprise) on Nov 22, 2018.