

Name	Dr. S. Archana			
Contact (office)	Assistant Professor Department of Electronics and Communication Engineering M.I.E.T. Engineering College Trichy.			
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Educational Qualifications	DEGREE	EDUCATIONAL INSTITUTION	BOARD/ UNIVERSITY	YEAR OF PASSING
	Ph.D., ECE	National Institute of Technology, Trichy	National Institute of Technology, Trichy	2020
	M.Tech., ECE	College of Engineering, Trivandrum	Kerala University	2014
	B.Tech., ECE	GEC Barton Hill, Trivandrum	Kerala University	2011
Professional Career Profile	Organization	Designation	Date of Joining	Duration of work
	M.I.E.T Engineering College, Trichy	Assistant Professor	Aug 2022	-
	NIT TRICHY	Assistant Professor (Ad-Hoc)	Aug 2021	July 2022
	NIT TRICHY	JRF	Jan 2020	Aug 2021
Awards & Recognitions	<ul style="list-style-type: none"> ➤ 1st Rank at University level in M.Tech- Applied Electronics and Instrumentation ➤ Best Women in Engineering award in VDAT-2019 symposium, Indore. ➤ 2nd Rank at College level and 9th rank at University level in B.Tech – Electronics and Communication. ➤ 2nd Rank at State level in 12th ISC examination. ➤ Recipient of golden jubilee scholarship given by Reserve Bank of India. ➤ Handled a session “Method of Moments (MoM) in Matlab”, in Workshop on Microwave through Softwares, NIT Tiruchirappalli. ➤ Handled a session “Image processing using Matlab”, conducted by TEQIP. ➤ Best paper award in i-COMPUTER-2023 Conference conducted by NIT Puducherry. 			

Membership in Professional Bodies	-----
Academic Areas of Interest	VLSI, Image Processing
Administrative Capabilities	<ul style="list-style-type: none"> ➤ Part of NBA accreditation in NIT Trichy ➤ Part of NBA accreditation in M.I.E.T Engineering College

LIST OF PUBLICATIONS

- **Archana S**, and Bhaskar M, An Inductorless 1.8 mW 2.9dB NF Differential LNA Integrated to On-Chip Loop Antenna with Secondary Loop for Biomedical Applications, Elsevier, Microelectronics Journal, Vol.97, 104718, pp. 1-10, March 2020. <https://doi.org/10.1016/j.mejo.2020.104718>.
- **Archana S**, Sunitha , Bhaskar Manickam, Design and integration of a high gain low NF CG-Folded cascode inductor less balun-LNA with loaded on-chip loop antenna, Elsevier, International Journal of Electronics and Communications (AEÜ), Vol. 110, 152858, pp. 1-9, October 2019: <https://doi.org/10.1016/j.aeue.2019.152858>.
- **Archana S**, Sunitha , Bhaskar Manickam, Co-design of on-chip loop antenna and differential class-E power amplifier at 2.4 GHz for biotelemetry applications, Elsevier, Microelectronics, Vol. 86, pp. 40–48, April 2019. <https://doi.org/10.1016/j.mejo.2019.02.015>.

INTERNATIONAL CONFERENCE

- **Archana S**, Bhaskar M, An LTCC based H-Antenna Aperture Coupled to an On-Chip Antenna for 2.4 GHz Long Range Transmitters, Electronic Packaging and Technology Conference (EPTC 2019), Singapore, December 2019.
- **Archana S** and Bhaskar M, A meandered loop antenna-in package with parasitic structure at 2.4 GHz, IEEE Electrical Design of Advanced Packaging and Systems Symposium (EDAPS), December 2018. DOI: 10.1109/EDAPS.2018.8680905.

- **Archana S** and Bhaskar M, "A 2.4 GHz High Efficiency Capacitive Cross Coupled Common Gate Class-E Differential Power Amplifier," 23rd International Symposium on VLSI Design and Test(VDAT), Indore, 2019 (Best Women in Engineering paper award) .
- **Archana S**, "Miniaturized slot loaded on-chip loop antenna with multi-fingered inner loop for implantable devices", i-Computer, NIT Pondicherry, 2023.
- **Archana S** and Bhaskar M, "An Integrated 2.4 GHz Inductorless Power Amplifier and On-Chip Two Turn Folded Loop Antenna for biotelemetry applications", ICCCNT, IIT Delhi, 2023.

SEMINAR/WORKSHOP/TRAINING PROGRAM

- One week "INTERNATIONAL WORKSHOP ON RF & MICROWAVE COMPONENTS (ONLINE)" Organized by School of Electronics Engineering (SENSE) at VIT-AP University, Amaravati, India during 17th May to 23rd May 2023.
- Five Day "WORKSHOP ON MACHINE LEARNING TECHNIQUES FOR RESEARCH IN ECONOMICS, COMMERCE AND MANAGEMENT USING PYTHON, R AND MATLAB (ONLINE)" Organized by Department of Humanities and Social Sciences, Instrumentation and Control Engineering and Architecture, at NIT Trichy, India during 10th July to 14th July 2023.
- Five Day "Workshop on Wearable Devices and AI & ML-Trends and Technologies-Hybrid Mode", Jointly Organized by NIT, Tiruchirappalli and Datanetiix Solutions Inc., during 17th July to 21st July 2023.