

PROFILE

Name	Dr Lakshmi C R
Position & Affiliation	Associate Professor, Department of ECE
Areas of Interest	Microwave Engineering, Antennas , Microwave Filters
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LinkedIn ID	linkedin.com/in/dr-lakshmi-c-r-ece-b31b62335
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Scopus ID	56797931600
Professional Webpage (if any)	

Educational Qualifications:

Ph.D	Vellore Institute of Technology	India	2022
ME	Anna University Trichy	India	2009
BE	Anna University Chennai	India	2007

Areas of Research:

Microwave Engineering, Antennas Microwave Filters

Brief Profile: (write about yourself)

Proactive Assistant Professor and researcher with 9 years of experience successfully contributing to the development and delivery of Electronic and Communication Engineering curriculum. Driven to contribute to program outcomes by facilitating engagement and assisting with learning objectives while maintaining high ethical standards and commitment. Committed faculty member seeking Assistant professor position with your prestigious institution with a passion for ensuring academic integrity of institution and achieving tenure through administrative service.

Guiding students at various levels (BE, MTech and PhD)

Pranjal Kalal ,Headlight Control System :Employing STM32Microcontroller ,ADXL345 Sensor and LCD for Modern Headlight Monitoring System. July 2025

Tejaswini M S, “Design and Implementation of CCSDS Standards based Telecommand System for Satellites using VHDL”, 28, July 2016

Smitha M Goundappanavar , “Device Automation Using Li-Fi”, 10 August 2015 Syed Mohammed, “FPGA Based Implementation Of OFDM Using DCT”, 30 September 2013

Noopur Sharma , “An Efficient way to Increase Performance by Using Low Power Reconfigurable Router”, 11, 09 2012

Awards/Achievements/Others:

NPTEL CERTIFICATE FOR OUTCOME BASED EDUCATION

Courses Taught:

Digital Communication, Microwave Theory and Antennas, Linear Integrated Circuits, Analog Electronics, Satellite Communication, Radar Engineering

Publications/Patents:

Publications

Lakshmi C R, Karthik P, D Kavitha & D Kannadassan (05 Nov 2025): Design and implementation of discontinuities in Microwave filter design, Australian Journal of Electrical and Electronics Engineering, DOI: 10.1080/1448837X.2025.2583477

Tunable Microwave Bandstop Filter for Sub 6 GHZ 5G Applications (2025)
https://link.springer.com/chapter/10.1007/978-981-96-4071-3_49

L. C R, D. Kavitha, D. Kannadassan and S. T G, "Slotted Ground Resonator Based Cauer LPF," 2024 IEEE International Conference for Women in Innovation, Technology & Entrepreneurship (ICWITE), Bangalore, India, 2024, pp. 65-70, doi: 10.1109/ICWITE59797.2024.10502769.

Slotted Ground Resonator Based Cauer LPF," 2024 IEEE International Conference for Women in Innovation, Technology & Entrepreneurship (ICWITE), Bangalore, India, 2024, pp. 65-70, doi: 10.1109/ICWITE59797.2024.10502769.

Prenatal Detection of Ventricular Septal Defects by VGG -16 Model Using Ultrasound Images," 2023 3rd International Conference on Mobile Networks and Wireless Communications (ICMNWC), Tumkur, India, 2023, pp. 1-6, doi: 10.1109/ICMNWC60182.2023.10435780

Lakshmi C. R. & D. Kannadassan (2021) Coupled microstrip slot resonators for bandstop filters: theory and design, Journal of Electromagnetic Waves and Applications, 35:7, 833 847, DOI: 10.1080/09205071.2020.1861991

C.R., Lakshmi and Kannadassan, Dhanaraj. 'Theory and Design of Narrowband Band-stop Filters Using Slotted Ground Resonators'. 10.3233/JAE-210019 Journal: International Journal of Applied Electromagnetics and Mechanics, vol. 67, no. 4, pp. 393-407, 2021

D. Suhas, C.R. Lakshmi, Zinka Srinivasa Rao & D. Kannadassan (2015) A systematic implementation of elliptic low-pass filters using defected ground structures, Journal of Electromagnetic Waves Applications, 29:15, 20142026, DOI: 10.1080/09205071.2015.1073635

C.R, Lakshmi. (2013). A Review on Mutual Coupling in Antenna Arrays and Decoupling Methods in MRI Antenna Arrays. IOSR Journal of Engineering. 3. 46-49. DOI: 10.9790/3021-031234649.

Conference Papers

	K. Vijayalakshmi, C. R. Lakshmi and M. S. Tejaswini, "Design and implementation of CCSDS standards based telecommand system for satellites using VHDL," 2016 IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT), 2016, pp. 569-573, doi: 10.1109/RTEICT.2016.7807886. 11, G. S. Ranu, C. R. Lakshmi and D. Kannadassan, "Modeling of radiation losses in Defected Ground Structures," 2016 IEEE International Conference on Engineering and Technology (ICETECH), 2016, pp. 1187-1189, doi: 10.1109/ICETECH.2016.7569438. Lakshmi.C.R,Sathiya.P Night Surviellance of Animals using Thermal Images -A Survey,International Conference ICATRPD' 2012. Biometrics and Bioinformatics, [S.l.], v. 4, n. p. 503-509, Nov. 2012. ISSN 0974 – 956X. at:http://www.ciitresearch.org/dl/index.php/bb/article/view/BB112012005
Patents	Novel System, Design and Development of 1U CubeSat Structure Suitable for Space Applications, Patent office of india-202341048199 Method And System To Improve Calibration of digital energy meter with IoT-202341038240 A
Book/Book Chapters	Measurements and Instrumentation- ISBN Number-ISBN-13: 978-93-6260-825-3 Chetana Publications July 2025
Research and Consultancy: Area Of Research Includes: Antenna and Microwave Filters	