




DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name : CHITRA V	Photo: 
Designation	AP GRADE –III
Qualification	M.E (Ph.D)
Area of Specialization	Electronics and Communication Engineering
Experience	UG :14 Industrial Experience : NIL
No. of workshop / Conferences / FDP attended	Workshops & FDP: 15 International Conference :5 National Conference : 02
No. of workshop / Conferences / FDP organized	Workshops: nil FDP: 01 International Conferences: nil National Conferences : nil
No. of Research Guidance	
Membership in Professional Bodies	ISTE, IEEE

PROFESSIONAL EXPERIENCE:

S.No	Organization	Post Held	Number of Years	From	To
1.	Dhanalakshmi Srinivasan College of Engg. and Technology	Lecturer	1.5	26/12/2007	30/04/2009
2.	Misrimal Navajee Munoth Jain Engg. College	Assistant Professor	12.4	15/6/2009	25/10/2021
3.	Sri Sai Ram Institute of Technology	Assistant Professor	0.2	01/11/2021	Till date

FACULTY ACHIEVEMENTS:

Publications	International Journals	08
	Books / Book Chapters / Monographs	
	Conferences	03
Events organized		
Events attended		
Awards Received		
Details on Funded Projects		
Details on Thesis		
Details on Research Guidance		

List of Publications: -

International Journal:

1. **Chitra Varadhan**, Jayaram Kizhekke Pakkathillam, Malathi Kanagasabai, Ramprabhu Sivasamy, Rajesh Natarajan, and Sandeep Kumar Palaniswamy, Triband Antenna Structures for RFID Systems Deploying Fractal Geometry, IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, VOL. 12, 2013, pp 437-440.
2. Jayaram Kizhekke Pakkathillam, Malathi Kanagasabai, **Chitra Varadhan**, and Periyasamy Sakthivel, A Novel Fractal Antenna for UHF Near-Field RFID Readers,

IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, VOL. 12, 2013 pp 1141-1144

3. Chinnambeti Raviteja, **Chitra Varadhan**, Malathi Kanagasabai, *Member, IEEE*, Aswathy K. Sarma, and Sangeetha Velan, A Fractal – Based Circularly Polarized UHF RFID Reader Antenna, IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, VOL. 13, 2014, pp 499-501
4. **Chitra Varadhan** and Dr Arulselvi, Double band RFID Reader antenna deploying Fractal Geometry, Annals of the Romanian Society for Cell Biology, ISSN:1583-6258, April 2021), DOI:10.1088/1757-899X/1091/1/012046 (pp- 378-389).
5. **Chitra Varadhan** and Dr Arulselvi, A UHF Near Field RFID Reader Antenna Implemented with Fractal Koch Curve, Turkish Journal of Computer and Mathematics Education, April 2021, Vol.12 No.10 (2021), 5840-5847.
6. **Chitra Varadhan** and Dr Arulselvi, Effects of FR - 4 Substrate Realized in a Circularly Polarized UHF - RFID Reader Antenna with Fractal Geometry for Enhancing Parameters, Hindawi Advances in Materials Science and Engineering, July 2021, Volume 2021, Article ID 8475621, <https://doi.org/10.1155/2021/8475621>
7. **Chitra Varadhan** and Dr Arulselvi, Characterization of Composite RFID Antennas Based on Thermal Properties: A Survey, Hindawi Advances in Materials Science and Engineering, Aug 2021, Volume 2021, Article ID 8905489, <https://doi.org/10.1155/2021/8905489>.
8. Niveditha Muniraj, Kavya Manohar, Mahalashmi Patchamuthu, Kiruba Muniraj, **Mrs.Chitra Varadhan**, A DTMF and RFID Controlled Multi-Compartment automated vehicle, International Journal of Engineering Research and Applications, ISSN: 2248-9622, Vol. 11, Issue 7, (Series-II) July 2021, pp. 10-17

International Conference:

1. Jayaram Kizhekke Pakkathillam, **Chitra Varadhan**, Malathi Kanagasabai, Sandeep Kumar Palaniswami, Rajesh Natarajan and Ramprabhu Sivasamy, A Novel Fractal Near Field Antenna for RFID Readers in Contactless Payment Application, Proceedings of 2nd National Conference on Recent Advancements in Signal Processing and Communication (NCRASPC - 2013)
2. Chitra Varadhan and Dr Arulselvi, Near-Field Fractal RFID Reader Antenna for Item Level Tagging, ICIRMCT 2021, IOP Conf. Series: Materials Science and Engineering 1091 (2021) 012046, IOP Publishing, JANUARY, 2021, DOI:10.1088/1757-899X/1091/1/012046 (pp- 378-389).
3. Chitra Varadhan and Dr Arulselvi, RFID Systems Composed of Multiband Antenna with Fractal Geometry, I3CAC 2021, EAI conference, June 2021, DOI 10.4108/eai.7-6-2021.2308567.

The details of Seminar/Workshop/conferences Organized:

01. Organized one-week ONLINE FDP on "Research Opportunities in Artificial Intelligence & Machine Learning" from 16/12/2021 – 22/12/2021 at Sri Sairam Institute of Technology, Chennai 44

Related to research work, the details of Seminar/Workshop/conferences attended:

1. One-day demonstration Program on Computer Simulation Program (CST) organized by CEG, Anna University, Chennai 2012.
2. 7 Days Faculty Development Program on Microwave Engineering Organized by Anna University at Prathyusha Institute of Technology and Management, Chennai (2012).
3. One-day demonstration Program on COMSOL organized by COMSOL Multi physics Pvt. Limited, Bangalore at Chennai 2012.
4. One-day International conference "Recent Advances in Antenna Design – IWRAAD 2013" Organized by CEG, Anna University, Chennai May 2013.
5. One-day demonstration Program on Comprehensive Electromagnetic Simulation Software (FEKO) organized by CEG, Anna University, Chennai May 2013.
6. Research Methodology Techniques of writing Research Articles and PhD Thesis preparation organized by CEG, Anna University, Chennai May 2013.
7. One-day seminar on "Recent Trends in Antenna Design" organized by SAMEER, Center for Electromagnets, Chennai June 2013.
8. Two days' seminar on "resent research fields in antennas" organized by SSN college of Engineering. July 2013.
9. Two weeks' refresher course in Antenna and Microwave Engineering organized by Sri Sai Ram Engineering College from 18/05/2020 to 30/05/2020.
10. FDP on "Antenna and Microwave Engineering" organized by K Ramakrishna college of Technology, Trichy from 08/06/2020 to 13/06/2020.
11. Webinar on "Antennas and RF Modules" organized by Jerusalem College of Engineering, Chennai, from 04/06/2020 to 05/06/2020.
12. A Webinar on EMIC - Introduction and Recent Challenges for 5G Organized by Meenakshi Sundararajan Engineering College, Chennai on 27/06/2020.

13. Workshop on POWER DIVIDERS USING HFSS organized by Entuple Technologies Pvt. Ltd. On 14/05/2020.
14. Workshop on METAMATERIAL CONCEPTS AND APPLICATIONS by Entuple Technologies Pvt. Ltd. from 25/05/2020 to 28/05/2020.
15. Webinar series on “RECENT TRENDS ON RF & its APPLICATIONS” organized by IEEE Antenna & Propagation Society Chapter, Malaviya National Institute of Technology, Jaipur & Govt. Women Engineering College Ajmer from 26/06/2020 to 30/06/2020.
16. Workshop on Design of Microstrip Patch Antenna using CST Microwave Studio” Organized by Savitha Engineering College, Chennai on 12/06/2020.
17. Two weeks FDP on “Managing Online classes and Co-creating Moocs” organized by Ramanujam college, University of Delhi, from 20/04/2020 to 06/05/2020.
18. Webinar titled Modern Antenna Design Challenges” organized by Kings College of Engineering, on 06/06/2020.
19. Webinar on Recent Technology 2020 organized by SRM Institute of Science and Technology, Chennai from 15/05/2020 to 17/05/2020.
20. Three days of training on “Effective and Efficient Online Teaching in the Age of Corona, A hands on Workshop on 16/05/2020” organized by Teaching Learning Centre (ICT) at IIT Bombay, funded by MHRD, Govt. of India.
21. Attended the webinar on 11th February on 'Design of Microstrip Patch Antenna Arrays for Isoflux Earth Coverage in Small Satellite Applications’.
22. One-week national Level Online FDP on “Signals Systems and Transform Techniques 2021” organized by Dept of EEE, Maturi Venkata Subba Rao (MVSR), from 22/11/2021 to 27/11/2021.
23. One-week national level online FDP on “Signals, Systems and Transform Techniques” during 22nd - 27th November 2021 organized by the Department of Electrical & Electronics Engineering Maturi Venkata Subba Rao (MVSR) Engineering College (Autonomous), Hyderabad,
24. **One-week** AICTE - ISTE sponsored Refresher/Induction Programme on “FPGA for Low Power IoT” from 06.12.2021 to 11.12.2021, organized by Department of Electronics and Communication Engineering, SRM VALLIAMMAI ENGINEERING COLLEGE.