

BIO DATA



Name : Dr.P.Venkatesh

Designation : Associate Professor I

Department : ECE

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1. Educational Qualification

Degree	Branch / Specialization	Institute/University	Year of Passing
B.E.	ECE	K.L.N. College of Information Technology/ Anna University	2012
M.E	VLSI Design	SSN College of Engineering/ Anna University	2014
Ph.D	RF Antenna Design	Anna University	2024

2. Professional/ Industry Experience: (in chronological order)

S.No	Designation	Institution/ Organization	Period	
			From	To
1.	Assistant Professor	Ramco Institute of Technology, Rajapalayam	25/06/2018	Till date
2.	Assistant Professor	Sri Venkateswara College of Engineering, Chennai	16/06/2017	21/06/2018
3.	Assistant Professor	R.M.K. Engineering College, Chennai	08/06/2015	13/06/2017
4.	Assistant Professor	Velammal Engineering College, Chennai	18/06/2014	31/05/2015

3. Research Interest: RF Antenna design

Anna University recognized supervisor (Ref. No. 4690001)

4. PUBLICATIONS

4.1 JOURNAL PUBLICATIONS

1. D.S.Bhargava, M.Sarumathi, P.Venkatesh (2016)“FinFET Technology – A Comparative Review of Traditional Transistors and FinFET based on performance metrics and physical dimensions”, International Journal of Scientific Research in Computer Science Applications and Management studies (IJSRCSAMS), Volume 5, Issue 6.
2. T.V. Padmavathy, P. Venkatesh, D.S. Bhargava, N. Sivakumar (2018) “Design of I-Shaped Dual C-Slotted Rectangular Microstrip Patch Antenna (I-DCSRMPA) for Breast Cancer Tumour Detection”, Journal of Cluster Computing Springer, Volume 22, Issue 6, pp. 13985–13993.
3. T.V. Padmavathy, P. Venkatesh, D.S. Bhargava, N. Sivakumar (2018)“Design and development of Microstrip Patch Antenna with Circular and Rectangular Slot for Structural Health Monitoring“ Journal of Personal and Ubiquitous Computing”, Volume 22, Issue 5-6, pp. 883-893.
4. Venkatesh P, Ranjana V, Rohini V, Sangareswari V (2019), “Design of Miniaturized Printed Antenna for Wi-Fi Application”, International Journal of Applied Engineering Research, Vol., No.14, pp.26-30.
5. P.Venkatesh, S.Vijayalakshmi, “A High Gain Planar Antenna for Wireless Communication in ISM Band ” International Journal of Engineering Research & Technology, ISSN 2278-0181, Vol.9, No.4, pp. 403-406, April-2020.
6. P. Venkatesh and T. V. Narmadha, "Miniaturized Triband Planar Monopole Antenna using Right Turned L-Shaped Stubs for Wireless Communications," IEEE Xplore, 2023, pp. 1-6, doi: 10.1109/ICERECT56837.2022.10060645.
5. Venkatesh P, Ponnrajakumari M, Narmadha TV, Ramasamy R, Radhika SA, Padmavathy TV, “On attempting to improve the reliability in body-centric communications using fully flexible diversified quad-port MIMO antenna backed with FSS”, *International Journal of Microwave and Wireless Technologies*. Published online 2025:1-23. doi:10.1017/S1759078725102602. (WoS, Scopus, AU Annexure I)
6. Pandi Ravichandran, Venkatesh and Velayudham, Narmadha. "On the performance investigation of a low profile UWB antenna backed with conjointly connected sickle shaped AMC structure for on-/off body communications" *Frequenz*, 2025. <https://doi.org/10.1515/freq-2024-0204>
7. Rajendran Ramasamy, Samidoss Chinnapparaj, Vellaichamy Rajavel, Venkatesh Pandi Ravichandran, Abbas Ali Farithkhan, and Amanulla Yasmin Jenifer, "Machine Learning Assisted Monopole Antenna Optimization Using EONNC and SFIS Algorithm for Wearable

7.1 CONFERENCE PUBLICATIONS

1. Venkatesh P, Annaduari S (2014), "Low Power Adder and Multiplier for DCT Applications", International Conference on Communication and Signal Processing (ICCSP), IEEE, Adhi Parasakthi Engineering College, Melmaruvathur
2. Venkatesh P, Sivathanu T, Rajesh Kumar R, Vijayalakshmi S (2012), "Reduction of Peak to Average Power Ratio in OFDM systems using Companding Technique" , National conference, Velammal Engineering College, Chennai
3. Venkatesh P, Ranjana V, Rohini V, Sangareswari V (2019), "Design of Miniaturized Printed Antenna for Wi-Fi Application", National Conference on Recent Trends in Information, Communication and Computing Technology (RTICCT 19), K.S.R. College of Engineering, Tiruchengode.
4. Presented a paper titled "Investigation of circular and elliptical patch antennas using different feeding techniques for s-band applications" in the National Conference on Emerging Trends in Engineering Design and Manufacturing ETEDM-22 at Hindustan Institute of Technology, Coimbatore
5. Published a paper titled "Design of Compact Printed Antenna for 5G Applications" in the ISTE Sponsored International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET'23) organized by Karpagam Institute of Technology, Coimbatore.

7.2 BOOK/BOOK CHAPTER PUBLICATIONS:

Title of the Book	Authors	Applicable Departments	Status
Circuit Theory and Analysis	Dr.T.V.Padmavathy, D.S. Bhargava, P.Venkatesh	ECE, EEE, EIE	Published

8. Funded Projects

S.No.	Title of the project	Funding Agency	Duration	Amount	Status
-	-	-	-	-	-

9. Ph.D. guidance

Sl.No	Scholar name	University	Topic	Status
-	-	-	-	-

10.Short term Courses / Seminars /FDP/Workshop/Conference Attended:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	Seminar on Antenna Design for 5G Test Beds	Department of ECE, Velammal College of Engineering & Technology	03/08/2019	03/08/2019
2.	FDP on Antenna Design and measurement Techniques	Department of ECE, SSN College of Engineering	10/12/2018	15/12/2018
3.	Seminar on Exciting Applications of Electromagnetics	Department of ECE, SSN College of Engineering	27/09/2018	28/09/2018
4.	Workshop on “Fundamentals of Electromagnetics and Demonstration of RF and Microwave components using HFSS”	Department of ECE, Sri Venkateswara College of Engineering	02/03/2018	03/03/2018
5.	Workshop on “Simulation and Analysis of Electronic Circuits using EDA Tools”	Department of ECE, Kongu Engineering College	27/09/2014	28/09/2014
6.	National Workshop on “Major Challenges of Medical Imaging and Big Data Analytics in Health Care and Clinical Applications”	Velammal Engineering College	02/05/2018	04/05/2018
7.	FDP on “Wearable Devices – Design and Characterization of Microwave Components and Antennas	Thapar Institute of Engineering & Technology	16/11/2020	20/11/2020
8.	Modelling, Simulation, and Measurement of High Frequency Antennas for Advanced Wireless Communication	Meerut Institute of Engineering & Technology	1/8/2022	5/8/2022

9	Awareness on electronics tools for system design	Sairam institute of technology	19/12/2022	24/12/2022
10.	Research issues and challenges in antennas	Sathyabama institute of science and technology	27/2/2023	4/3/2023
11.	ATAL FDP on “Reconfigurable Intelligent Surfaces for 6G Wireless Communication: Fundamentals to Future Research Directions	National Institute of Technology, Tiruchirappalli	23.12.2024	28.12.2024
12.	FDP on “Quantum Computing and its Applications”	Sri Sairam Institute of Technology, Chennai	23.09.2025	30.09.2025
13.	workshop on “Quantum Machine learning for next generation communication systems”	MVGR college of Engineering, Andhra Pradesh	24.11.2025	28.11.2025

14.Short term Courses / Seminars /FDP/Workshop/Conference organized:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	one day workshop on “Measurement of RF and Microwave Devices using VNA	Department of ECE, Ramco Institute of Technology	05.05.2025	05.05.2025
2.	one day workshop on “IoT using Raspberry - Pi	Department of ECE, Ramco Institute of Technology	13.12.2023	13.12.2023
3.	RF Measurement Devices for 5G – A Hands-on Approach	Department of ECE, Ramco Institute of Technology	14/02/2022	15/02/2022

4.	Two Day National Level Workshop on “LabVIEW for Real Time Applications”	Department of ECE, Ramco Institute of Technology	06/09/2019	07/09/2019
5.	Two Day National Level Workshop on “MATLAB and NS 2 – A research perspective”	Department of ECE, Velammal Engineering College, Chennai	18/12/2014	19/12/2014

15. Online Courses

Sl.no	Course title	University	Date
1.	Python Programming	Massachusetts Institute of Technology, USA	20.8.2021
2.	CST Antenna Design with zero to hero	Udemy	14/5/2021
3.	Circuits and Electronics I	Massachusetts Institute of Technology, USA	06/06/2019
4.	Calculus 1c - Coordinate Systems & Infinite Series	Massachusetts Institute of Technology, USA	12/05/2019
5.	Calculus 1b - Integration	Massachusetts Institute of Technology, USA	08/03/2019
6.	Basic Electrical Circuits	IIT Madras	September, 2017
7.	Introduction to Machine Learning	NPTEL, IIT Madras	28.03.2025
8.	Electromagnetic Theory	NPTEL, IIT Kanpur	02.11.2025

16. **Patents filed/awarded : 3/1**

17. **Membership in Professional societies : ISTE**

18. **Awards, Recognition & Achievements : -**

Any others (Board of studies/Governing Council/Staff Selection/ Reviewer/other duties)

- a) NBA criteria 4 and 9
- b) Class Mentor
- c) Professional society incharge
- d) Association Incharge

Updated as on 24/03/2026

d) ISTE Department level Coordinator