

# Dr V JayaPrakash

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## EDUCATION

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<b>Vellore Institute of Technology-Andhra Pradesh University</b> Ph.D. (RF and Microwave Engineering)	Amaravati, India 2024
<b>Andhra University</b> M.Tech. in Radar and Microwave Engineering	Visakhapatnam, India 2006
<b>QIS Engineering College, JNTUH</b> B.Tech. in ECE	Ongole, India 2002
<b>KGR Junior College</b> Board of Intermediate Education	Machilipatnam, AP, India 1996
<b>Jai Hind Secondary School</b> Board of Secondary Education	Machilipatnam, AP, India 1994

## EXPERIENCE

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<b>PSCMR College of Engineering &amp; Technology</b> Associate Professor	Vijayawada, India Sep. 2024 –Till date
<b>Sri Vasavi Engineering College</b> Associate Professor	Tadepalligudem, India Sep. 2023 –Sep.2024
<b>Dhanekula Institute of Engineering &amp; Technology</b> Associate Professor	Vijayawada, India Feb. 2015 –Aug.2020
<b>Sri Vasavi Institute of Engineering &amp; Technology</b> Associate Professor, <b>HOD (1 Year)</b>	Machilipatnam, India Oct. 2011 –Jan.2015
<b>Dhanekula Institute of Engineering &amp; Technology</b> Associate Professor	Vijayawada, India Apr. 2010 –Sep.2011
<b>Sir Sun Flower College of Engineering &amp; Technology</b> Assistant Professor	Lankapalli, India Jun. 2009 –Mar.2010
<b>Gudlalleru Engineering College</b> Assistant Professor	Gudlalleru, India Jul. 2007 –Jun.2009
<b>D M S S V H College of Engineering</b> Assistant Professor	Machilipatnam, India Jun. 2006 –Jun.2007

## PUBLICATIONS

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1. **V JayaPrakash**, Chandu DS (2023). Self-Triplexing HMSIW Antenna with Enhanced Isolation and Extremely Low Frequency Ratio., *AEU - International Journal of Electronics and Communications*, 170 (2023) 154829. **SCI Indexed**.
2. **V JayaPrakash**, Chandu DS (2023). Compact Four-Element Quarter Mode Circular SIW based MIMO Antenna with Enhanced Isolation., *Wireless personal communications*, 133 (1) (2023) 625–640. **SCI Indexed**.
3. **V JayaPrakash**, Chandu DS, Self-Isolated Quadruplexing SIW Antenna with Extremely Low Frequency Ratio for C-Band Applications. *Microwave and Optical Technology Letters*, (2024) 66 (2) , **SCI Indexed**
4. **V JayaPrakash**, Chandu DS (2024). Compact Substrate-Integrated Hexagonal Cavity-Backed Self-Hexaplexing Antenna for Sub-6 GHz Applications, *IEEE Access* **SCI Indexed**.
5. **V JayaPrakash**, Chandu DS (2023). Microfluidic SIW based Tunable MIMO Antenna with compact size and high isolation., *AEU - International Journal of Electronics and Communications*, communicated **SCI Indexed**.
6. **V JayaPrakash**, & Chandu DS (2012). A Neural Network Target Tracking using Kalman filter *IJERT*, 1,9. **Scopus**.

## CONFERENCES

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1. **V JayaPrakash**, Chandu DS, K B S Sri Nagini (2024). Microfluidic Sensor Based on SIW Self-Diplexer Antenna for Simultaneous Detection of Adulteration of Different Oils. In *IEEE Microwaves, Antennas And Propagation Conference (MAPCON) - 2024*
2. **V JayaPrakash**, Chandu DS, K B S Sri Nagini (2024). Transparent and Flexible Wideband Polarization Conversion Metasurface for Aircraft Windows. In *IEEE Microwaves, Antennas And Propagation Conference (MAPCON) - 2024*
3. K B S Sri Nagini, **V JayaPrakash**, Chandu DS. (2024). Highly Efficient Ultra-Wideband Reflective Cross-Polarization Converter for Ku-, K-, and Ka-band Satellite Communication Applications. In *4th International Conference on Artificial Intelligence and Signal Processing (AISP)-2024*
4. **V JayaPrakash**, Chandu DS. (2023). Open-Ended SIW Cavity Backed Wearable Antenna for WiMAX Applications. In *IEEE SILCON - 2023, at Silchar*
5. **V JayaPrakash**, Chandu DS. (2023). Microfluidic HMSIW based Self-Diplexing Antenna for Simultaneous Sensing of Liquid Samples. In *IEEE Microwaves, Antennas And Propagation Conference (MAPCON) - 2023*
6. **V JayaPrakash** (2010, Feb). Performance of Smart Antenna System in a SDMA Mobile Communication environment . In *National conference on Signal Processing and Communication Systems NCSPCS-10*

## PATENTS

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1. **V JayaPrakash**, Chandu DS. “Slot Loading Method for High Port Isolation in SIW MIMO Antenna”, Indian Patent, Application Number: 202141060905 A, Nov 2022
2. Gulshan Goyal, V Subrahmanyam Grandhi, **V. Jayaprakash**, Ravinder Kumar. “A Defected Ground Plane Wheel Shaped Fractal Antenna”, Indian Patent, Application Number: 417276-001, May 2024

## ACHIEVEMENTS AND AWARDS

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- **Winner of portable anechoic chamber worth of 6 lakhs at IEEE SPACE 2024 Conference** Received a state-of-the-art portable anechoic chamber, essential for conducting precise electromagnetic and RF measurements with minimal interference, at the IEEE SPACE 2024 Conference. This award enhances research capabilities by providing an optimal environment for testing and development, supporting innovation in fields such as telecommunications, radar systems, and wireless communication. It facilitates advanced academic research and contributes significantly to industrial product development. The chamber enables accurate measurement of antenna

performance, electromagnetic compatibility, and signal integrity, demonstrating a strong commitment to cutting-edge technology and excellence in the field. Additionally, it promotes collaboration and experimentation within the scientific and engineering communities.

- **Raman Research Award** for publications in SCI and Scopus indexed journals being awarded by **VIT-AP University** 2022–2023
- **Research Excellence Award on University Day** for publications of SCI and Scopus indexed journals and conferences being awarded by **VIT-AP University** 2022–2023
- **Raman Research Award** for publications in SCI and Scopus indexed journals being awarded by **VIT-AP University** 2023–2024
- **Research Excellence Award on University Day** for publications of SCI and Scopus indexed journals and conferences being awarded by **VIT-AP University** 2023–2024

## WORKSHOPS

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- One Day International Workshop on “Recent Advances in Wireless Communications and Antenna Technologies for Space, Air and Ground Applications”, **Vignan’s Foundation for Science, Technology and Research**, AP, June-2023.
- One Week National Workshop on “RF Microwave Components”, & Hands-On, being conducted in VIT-AP University, AP, May. 2023.
- One-Week International Workshop on Technical Writing using LaTeX (Online) being conducted in VIT-AP University, AP, 2023.
- One-Week International Workshop on Technical Writing using LaTeX (Online) being conducted in VIT-AP University, AP, 2022.
- One Week National Workshop on RF Microwave Components”, & Hands-On, being conducted in VIT-AP University, AP, May. 2022.
- One Week National Workshop on Optimization Techniques in Antenna Design”, & Hands-On, being conducted in NIT Warangal, AP, Jun. 2018.
- One Week National Workshop on Reconfigurable Antennas and Microwave Devices”, & Hands-On, being conducted in Sreyas Institute of Engineering and Technology, TS, Sep. 2017.
- One Week National Workshop on Software defined Radio FEKO Antenna Design/Simulation”, & Hands-On, being conducted in VR Siddhartha Engineering College, AP, May. 2016.
- Two days Workshop on Analog system Design using ASLK”, & Hands-On, being conducted in Dhanekula Institute of Engineering and Technology, AP, Feb. 2016.
- Two days Workshop on Smart Antenna Technologies for Future Wireless Systems: Trends and Challenges”, & Hands-On, being conducted in MIC College of Technology, AP, Aug. 2015.
- Two days Workshop on Mathematical Methods for Image Processing and Engineering Applications”, & Hands-On, being conducted in Chaitanya Bharathi Institute of Technology, TS, Mar. 2013.
- Two days Workshop on Recent Trends in Microwave Engineering and Fiber Optic Communications”, & Hands-On, being conducted in PVP Siddhartha Institute of Technology, AP, Oct. 2011.
- Two days Workshop on RF and Signal Processing Systems”, & Hands-On, being conducted in KL university, AP, Jan. 2010.
- Two days Workshop on Verilog Programming and Implementation”, & Hands-On, being conducted in Gudlavalleru Engineering College, AP, Oct. 2007.

## SUBJECTS HANDLED

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- EMTL, STLD, Microwave Engineering, Antenna and Wave Propagation, Analog and Digital Communications, Network Analysis, Satellite Communications, Mobile Communications, IOT, CO, MPMC, Digital Image Processing, Python Programming and also handled all labs

## PROFESSIONAL ORGANIZATIONS

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1. IEEE Member : 98588845
2. Life Member : Indian Society for Technical Education(ISTE)
3. Life Member : Indian Society of systems for Science and Engineering(ISSE)

## DECLARATION

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I hereby declare that all the particulars stated above are true, complete and correct to the best of my knowledge and belief

Place: Vijayawada

Date:

V JAYAPRAKASH