



**Mr. P V K DURGA PRASAD**

**Associate Professor**

**Department of Electronics & communication Engineering**  
**Raghu Engineering College, Visakhapatnam, Andhra Pradesh**  
**INDIA**

[durgaprasad.pulvarthi@raghuenggcollege.in](mailto:durgaprasad.pulvarthi@raghuenggcollege.in)

**Interests:** Antenna, Image Processing

**Course Taught Previously:**

**UG.**

- Semiconductor Diodes and Applications
- Electronic Devices and Circuits
- Electronic Circuit Analysis
- Pulse and Digital Circuits
- Linear IC Applications
- Linear and Digital IC Applications
- Microprocessors and Applications
- Microprocessors and Microcontrollers
- Television Engineering
- Optical Fibre Communications
- Satellite Communications
- Data Communications
- Labs Handled
- Semiconductor Diodes and Applications
- Electronic Devices and Circuits
- Electronic Circuit Analysis
- Analog Electronic Circuits
- Pulse and Digital Circuits
- Linear IC Applications
- Digital IC Applications
- Digital Electronics
- Microprocessors and Applications
- Microprocessors and Microcontrollers
- Analog Communications

## **Publications:**

### **International Journals:**

- [1] Published a paper on “Analysis of RCS Calculation Using a Novel Technique Based on Polarization Properties” in International Journal of Advanced Research in Computer and Communication Engineering. Vol.3, Issue1 Jan 2014.
- [2] Published a paper on “Analysis of Shielding Effectiveness of Perforated Shields with Multiple Rectangular Apertures” in “International Journal of Advanced Research in Computer and Communication Engineering Vol.3, Issue 9(pp 2319-5940), September 2014”.
- [3] Published a paper on “Ultra-Wide Band RSMA Patch Antenna” in “International Journal of Emerging Research in Management & Technology ISSN: 2278-9359 (Volume-4, Issue-6), June 2015.
- [4] Published a paper on “Design of Parallel in Parallel Out Shift Register using Clocked Pass Transistor Logic” in “International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering Vol.5, Issue 7, July 2016”.
- [5] Published a paper on “Wearable smart accident preventing system for humans with wireless voice assistance” in “International journal of Scientific Engineering and Technology Research in Electronics and Communication Engineering ISSN: 2319-8885 Vol.07, Issue.03 March 2018
- [6] Published a paper on “A Literature Review on Time Modulation Antenna Array Using Evolutionary Computing Tools” in International Journal for Research in Engineering Application & Management (IJREAM) ISSN : 2454-9150 Vol-04, Issue-02, May 2018
- [7] Published a paper on “Earthquake Protection Bed” in International Journal & Magazine of Engineering, Technology, Management and Research (IJMETMR) ISSN No: 2348-4845 Volume No:6 (2019), Issue No:4 (April)
- [8] Published a paper on “IoT Based Women Security System” in International Journal of Management Technology and Engineering (IJMTE) ISSN No: 2249-7455 Volume IX, ISSUE III, March – 2019.
- [9] Published a paper on “A Self-Diplexing Antenna Designed using SIW Technique for CBand Applications” International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Vol. 9 Issue 06, June-2020
- [10] Published a paper in Testing And Engineering Management on “A Linear Antenna Array Synthesis Using Particle Swarm Optimization”. Volume 83 ISSN: 0193-4120 Page No. 164- 172 July – August 2020
- [11] Published a paper on classification of kidney ultra sound images using SVM classifier in international journal of innovative Research in Technology(IJIRT) Volume9,issue 1 June 2022
- [12] Published a paper on “Black box for automobiles in journal of engineering sciences(JES) volume14, issue5, May 2023
- [13] Published a paper on “Design and Analysis of Stacked 4×4 Array Antenna for Applications in the S and C Bands” SSRG International Journal of Electrical and Electronics Engineering (IJEET), Volume 11 Issue 8, 248-255, August 2024)(Scopus)

## **Conferences**

- [1] Participated in conference on “On the linear array optimization using novel nature inspired techniques” in 3rd International conference on Smart Computing and Informatics (SCI) organised during 21st – 22nd December, 2018 at KIIT Deemed to be university, Bhubaneswar, Odisha, India.
- [2] Participated in conference on “A Linear Array Antenna Synthesis using Particle Swarm Optimization” in 4th International conference on Management Sciences, Engineering Applications during 19-21st December, 2019 at Centurion university of Technology and Management, Odisha, India.

## **Workshop/FDP**

- [1] Attended a “One day workshop on Embedded Systems” in GVP Degree College on Feb.13 2010.
- [2] Attended “AICTE sponsored Two Day National Seminar on Recent Developments in Multi-Objective Optimization Techniques in the field of Engineering”, conducted by Department of Mechanical Engineering, Raghu Engineering College, Visakhapatnam on 8th and 9th may 2014.
- [3] Attended “Faculty Development Program on Lab VIEW for Teaching and Research Applications” organized by Department of Electronics and Communication Engineering, MVGR College of Engineering in collaboration with National Instruments, Bangalore during 23rd – 27th June, 2014.
- [4] Attended a Two-day Faculty Development Programme on "Advanced Digital Signal Processing applications.(ADSP-A)" organized by Department of Electronics and Communication Engineering, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada. On 12-13 Sep, 2015.
- [5] Attended “A NATIONAL WORKSHOP ON Advanced Antenna Design(NWAAD-2K16)” under TEQIP-II, on Oct 19th -21st, 2016 organized by Department of E.C.E, Andhra University College of Engineering (A).
- [6] Attended one-week Faculty Development programme(FDP) on “Advances in practical Antenna Design” organized by E & ICT Academy, NIT Warangal at Department of ECE Raghu Engineering College, Visakhapatnam.
- [7] Attended “NATIONAL WORK SHOP ON CST Microwave Studio Organized by Department of E.C.E, Vignan’s Institute of information Technology (Autonomous), Duvvada, Visakhapatnam, on 22nd and 23rd June 2017.
- [8] Attended the NI Engineering Education & Research Seminar at Welcome Hotel GrandBay, Beach Road, Visakhapatnam on 11 September 2017
- [9] Attended a one-week Faculty Development Program on “Real Time Embedded Systems and IoTIts Applications” on 2nd to 8th June,2018 organized by Department of Electronics and Communication Engineering at Raghu Institute of Technology, Visakhapatnam.
- [10] Attended and successfully completed the C04 – IPR Professional primer course on 23rd April,2019 at Raghu Institute of Technology
- [11] Attended a 3days workshop on “Antenna-EMI/EMC effects on environment” at CENTURION UNIVERSITY Visakhapatnam on 28-30th May 2019
- [12] Attended AICTE Sponsored two-week FDP on “Engineering challenges for making Digital India IOT & Applications” at ANITS College on 11th to 24th June, 2019

- [13] Attended a one-day technical talk on “Usage of ICT tools for Enhanced Learning Outcomes in Higher Education and Technical Paper Writing Skills” on 14th December 2019 organized by IEEE Vizag bay sub section.
- [14] Participated in Online FDP on the theme Inculcating Universal Human values in Technical education organized by AICTE From 06-03-2023 to 10-03-2023
- [15] Participation in one day international workshop on Advances in Wireless Communications and Antenna Technologies for Space, Vehicular and Ground Applications Jointly organised by Raghu Institute of Technology (A) and Raghu Engineering College (A), Dakamarri Visakhapatnam, Andhra Pradesh on 12th June, 2023.
- [16] Participated in Three-day online FDP on “VLSI Design and Development” organized by the Department of ECE during 22-06-2023 to 24-06-2023 in IETE Students chapter

### **STTPs, STCs**

- [1] AICTE Sponsored One Week Online STTP on **ICT Tools for Engineering College Teaching and Outcome Based Learning** organised by Department of Electronics & Communication Engineering, Raghu Institute of Technology (Autonomous), Visakhapatnam during 5<sup>th</sup> to 10<sup>th</sup> Oct, 2020.

### **Additional Responsibility:**

- [1] Actively involved in implementing various academic programs like seminars, group discussions and encouraging the students to participate with concentration on weaker sections.
- [2] Served as Library In-Charge in Department of E.C.E
- [3] Served as NCC and NSS coordinator for Department of E.C.E
- [4] Served as Training placement officer in Department of E.C.E
- [5] Served as Cultural Co-ordinator in Raghu Institute of Technology

### **Member in:**

- [1] Life Member, Wireless Antenna and Microwave Symposium (WAMS)(ID:2010)
- [2] International Association of Engineers (IAENG)(ID:212517)

### **EXTRACURRICULAR ACTIVITIES:**

- [1] Encouraging and helping the students to participate in national level seminars, social activities, cultural competitions at various prestigious institution

### **Online Course Certification's:**

- [1] Completed a NPTEL course on “Introduction to Research” with Elite certification conducted by IIT Madras.
- [2] Completed a NPTEL course on “Antennas” with Elite certification conducted by IIT Mumbai.
- [3] Completed a NPTEL course on “MPMC” conducted by IIT Kharagpur.
- [4] Completed a NPTEL course on “IoT” with Elite certification conducted by IIT Kharagpur.