

Dr. D. PRABHAKAR

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RESIDENTIAL ADDRESS:

Dr.D.PRABHAKAR,
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B.H.NAGAR, GUNADALA,
VIYAWADA-520004

ACADEMIC QUALIFICATIONS: M.Tech., PhD

ACADEMIC REWARDS / ACHIEVEMENTS: NIL

PROFESSIONAL EXPERIENCE:

Institution	Designation	Period
Gudlavalleru Engineering college	Associate professor	1-6-2018 to till date
DVR &Dr HS MIC College of technology	Professor	1-11- 2017 to 31-05-3018
DVR &Dr HS MIC College of technology	Associate Professor	1-4- 2012 to 31-10- 2017
SRK institute of technology.	Associate Professor	25-9-2008 to 31-03- 2012
NIMRA college of engineering and technology	Assistant professor	6-1-2004 to 24-9-2008

PROJECTS GUIDED:

PhD	Post Graduation	Under Graduation
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SPECIALIZATION: Electromagnetics, Antennas, Microwave and Radar

RESEARCH PAPERS / BOOKS: 24

BOOKS PUBLISHED IN PUBLICATIONS:

PAPERS PUBLISHED IN JOURNALS: 18

SCI JOURNAL / WEB OF SCIENCE (ESCI) JOURNALS

[1] **D.Prabhakar** et.al “A Hybrid Approach on Metamaterial-Loaded Fractal Antenna Design,” Applied Computational Electromagnetics Society (ACES JOURNAL), ISSN: 1054-4887 (**SCIE - Accepted**)

[2] **D.Prabhakar** et.al “Side lobe pattern synthesis using hybrid SSWOA algorithm for conformal antenna array,” Engineering Science and Technology, an International Journal (JESTECH), Volume 22, Issue 6, Pp.1169-1174, December 2019 , ISSN: 2215-0986 (**SCIE -ELSEVIER**)

SCOPUS JOURNALS

[1] **D.Prabhakar** et.al “ Compact Spiral Patch Antenna for WLAN Applications, ” Solid State Technology, Volume 63, Issue 1, Pp. 165-175, September, 2020 , ISSN: 0038-111X. (**SCOPUS**)

[2] **D.Prabhakar** et.al “Design and Development of Antenna Array Using Slots for Multiband Applications,” Journal of Advanced Research in Dynamical and Control Systems (JARDCS), Volume 12, Issue 6, Pp. 1995-2004, June, 2020 , ISSN: 1943-023X. (**SCOPUS**)

[3] **D.Prabhakar** et.al “Enhancement of Bandwidth using Inset-Fed Patch Antenna for High Frequency Applications” International Journal of Engineering and Advanced Technology (IJEAT), Volume-9 Issue-1, pp.1528-1531, October, 2019, ISSN: 2249-8958. (**SCOPUS**)

[4] **D.Prabhakar** et.al “Flexible Microstrip patch Antennas Using Different Substrates for Bio-Medical Applications” International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8 Issue-7, pp. 1350-1352, May, 2019 ISSN: 2278-3075. (**SCOPUS**)

[5] **D.Prabhakar** et.al “Wearable Antennas Using Different Substrates,” International Journal of Engineering and Advanced Technology (IJEAT), Volume-8 Issue-4, pp.820-823, April 2019, ISSN: 2249-8958. (**SCOPUS**)

[6] **D.Prabhakar** and Dr. P.Mallikarjuna Rao, “Sierpinski Carpet Fractal Antenna Array Using Mitered Bend Feed Network for Multi-Band Applications,” ARPN Journal of Engineering and Applied Sciences, Vol.12, No.7, ISSN1819-6608, and PP.no:2147-2152, April, 2017. (**SCOPUS**)

[7] **D.Prabhakar** and Dr. P.Mallikarjuna Rao, “Characteristics of Patch Antenna with Notch gap Variations for Wi-Fi Applications,” International Journal of Applied Engineering Research, vol. 11, no. 8 pp 5741-5746, ISSN: 0973-4562, 2016. (**SCOPUS**)

[8] **D.Prabhakar** and Dr. P.Mallikarjuna Rao, "Generation of ultra side lobes in circular array antenna using evolutionary algorithm," International Journal of Applied Engineering Research, vol. 11, no. 8 pp 5682-5687, ISSN: 0973-4562, 2016. **(SCOPUS)**

UGC CARE GROUP JOURNALS AND OTHERS

[1] **D.Prabhakar** et.al "Design of Rectangular gap coupled Patch Antenna," Dogo Rangsang Research Journal, Volume 10, Issue 7, Pp. 153-158, July 2020 , ISSN: 2347-7180 **(UGC Care Group I Listed Journal)**

[2] **D.Prabhakar** et.al "Design of Frequency and Pattern Reconfigurable Antennas by using E-Shaped structure," Juni Khyat, Volume 10, Issue 7, Pp. 107-120, July 2020 , ISSN: 2278-4632 **(UGC Care Group I Listed Journal)**

[3] **D.Prabhakar** et.al "Flexible Patch Antenna using Different Substrates for WBAN Applications "International Journal of Advanced Scientific Research and Management, Volume 4 Issue 4, pp. 151-154, ISSN 2455-6378, April 2019. **(UGC approved)**

[4] **D.Prabhakar** et.al "Development of Textile Antennas using Different Substrates for Wireless Body Area Network (WBAN), "International Journal of Research in Advent Technology (IJRAT) Vol.7, No.3, pp.1136-139, ISSN: 2321-9637 March 2019. **(UGC approved)**

[5] **D.Prabhakar** et.al " Implementation of Koch Snowflake Fractal Antenna for Multi-Band Applications " International Journal of Advanced Scientific Research and Management, Volume 4 Issue 4, pp. 30-33, ISSN 2455-6378, February 2019.(**UGC approved**)

[6] **D.Prabhakar** et.al " Design And Implementation Of Rectangular Spiral Patch Antenna By Using Coaxial Feed " International Journal of Advanced Scientific Research and Management, Volume 4 Issue 4, pp. 34-41, ISSN 2455-6378, February 2019.(**UGC approved**)

[7] **D.Prabhakar** and Dr. P.Mallikarjuna Rao, "Design and Performance of Resonant Spacing Linear Patch Array with Mitered Bend feed Network for Wireless Applications," Indian Journal of Science and Technology, vol:10, No. 31, ISSN (Print) : 0974-6846,ISSN (Online) : 0974-5645, 2017, DOI: 10.17485/ijst/2017/v10i31/92423, August 2017.

[8] **D.Prabhakar** and Dr. P.Mallikarjuna Rao, "Design and Performance Analysis of Microstrip Antenna using different Ground Plane Techniques for WLAN Application," I.J. Wireless and Microwave Technologies, vol.6, no. 4, pp. 48-58, ISSN: 2076-1449(Print), ISSN: 2076-9539(Online) 2016. DOI: 10.5815/ijwmt.2016.04.05 (**FREE JOURNAL**)

PAPERS PUBLISHED IN CONFERENCES :06

[1] **D.Prabhakar** et.al " Implementation of Multiple Slots Patch Antenna Array with Using Quarter wave Feed Network for WLAN Applications " International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering - (ICRIEECE) IEEE - EXPLORE -2019 (**Accepted SCOPUS**)

[2] **D.Prabhakar** and Dr. P.Mallikarjuna Rao, "Design and Performance of Resonant Spacing Linear Patch Array with Quarter wave transformer feed Network for Wireless Applications," International conference on computer and communication technology (IC3T-2016), vol. 5, ISBN: 978-981-10-3225-7, pp.no.209-218, November-2016. DOI: 10.1007/978-981-10-3226-4_20 (**Springer**)

[3] **D.Prabhakar** and Dr. P.Mallikarjuna Rao, "Design of Rectangular Patch Antenna Array with Multiple Slots by Using Mitered Bend Feed Network for Multi-Band Applications," International Conference on Electromagnetic Interference & Compatibility (INCEMIC-2016), December-2016, DOI: [10.1109/INCEMIC.2016.7921476](https://doi.org/10.1109/INCEMIC.2016.7921476) (**IEEE, SCOPUS**)

[4] **D.Prabhakar** and Dr. P.Mallikarjuna Rao, "Sierpinski Carpet Fractal Antenna Array Using Quarter wave Feed Network for Wireless Applications," International Conference on Microelectronics Electromagnetic and Telecommunication (ICMEET-2016), Lecture Notes in Electrical Engineering, ISBN 978-981-10-4279-9, ISBN 978-981-10-4280-5 (eBook), ISSN 1876-1100, Vol:434, pp: 445-453, DOI: 10.1007/978-981-10-4280-5_47. (**Springer, SCOPUS**)

[5] **D.Prabhakar** and Dr. P.Mallikarjuna Rao, "Sierpinski Diamond Fractal Antenna Array using Mitered Bend Feed network for Multi-band applications," National Conference On Recent advances in Communication and Electronics Engineering (RACEE-2016),NIT Warangal, apple academic press CRC **Taylor and Francis group**, ISBN: 9781771886932

[6] **D.Prabhakar** and Dr. P.Mallikarjuna Rao, “Sierpinski Diamond Fractal Antenna Array Using Quarter Wave Feed Network for Wireless Applications,” National Conference On Recent advances in Communication and Electronics Engineering (RACEE-2016),NIT Warangal , apple academic press CRC **Taylor and Francis group**, ISBN: 9781771886932.

LIST OF WORKSHOPS ORGANIZED: 01

- Worked as Co-coordinator for CITAES-2018

LIST OF WORKSHOPS /CONFERENCES /SEMINARS / WEBINAR ATTENDED:

- Participated AICTE sponsored Online Short Term Training Programme on “Blockchain Architecture Design and Use Cases” Phase-I organized by Department of Electronics and Communication Engineering from 10-08-2020 to 15-08-2020.
- participated A National Level Webinar on “Intellectual Property Rights & Patents - A View” organized by IQAC, Gudlavalleru Engineering College, Gudlavalleru held during 10 - 12 August, 2020.
- Participated One Week National Level Online STTP 1 on "Trends and Challenges in Design and Implementation of Reconfigurable Antennas for Increased Spectrum Access in Cognitive Radio Communication" during 20 -25 July 2020, Organized by Department of Electronics and Communication Engineering, Velagapudi RamaKrishna Siddhartha Engineering College, Vijayawada, Andhra Pradesh.
- Participated in one week international online knowledge development program on “ Challenges and Advancements in the Design of IOT, Embedded and VLSI Systems : A researchers View ” organized by Department of ECE, Gudlavalleru engineering College, Gudlavalleru from 8-13 June, 2020.
- Participated in A National Level Five Day Faculty Development Programme on “OBE-NBA Process” organized by Internal Quality Assurance (IQAC), NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS) , NARASARAOPET, from 15th May, 2020 to 19th May, 2020.
- participated One Week Online Faculty Development Program on “Advanced Antenna Design Using HFSS” Organized by Department of ECE ,Santhiram Engineering College , Nandyal in collaboration with Vardhaman College of Engineering ,Hyderabad from 12-05-2020 to 17-05-2020.

- participated in One Week Online Faculty Development Program on “Research Challenges and Opportunities Post COVID-19 (RECOP 2020)” organized by Research & Development Cell and Institution’s Innovation Council of Sri Vasavi Engineering College (Autonomous) during 4-9 May 2020
- Attended one week FDP on “Data Acquisition and RT using LABVIEW”, Organized by Electronics & Communication Engineering Gudlavalleru engineering College in Association with National instruments, Bangalore, Gudlavalleru, during 25th -30th November, 2019.
- Attended a Three day training Programme on “Advanced Development tools based on IoT “Organized by Dept.of ECE, Gudlavalleru engineering College, Gudlavalleru, during 11th to 13th November, 2019.
- Attended one week FDP on “Machine Learning Applications In Signal Processing,”, Organized by E & ICT Academy, NIT Warangal at Gudlavalleru engineering College , Gudlavalleru, during 4th -9th February, 2019
- Attended one week FDP on " Communications and signal processing " Organized by Dept.of ECE, Gudlavalleru engineering College, Gudlavalleru, during 29th Oct to 3rd Nov 2018.
- Attended a two day workshop on “Design and Development of Digital Circuits Using VLSI Tools" Organized by Dept.of ECE, Gudlavalleru engineering College, Gudlavalleru, during 6th to 7th December, 2018.
- Attended One week FDP On " Design and Analysis of RF Antennas using HFSS Software" Organized by Dept.of ECE, LBRCE, Mylavaram, during 13-18 November, 2017.
- Attended one week FDP on “Signal Processing for Wireless Communication” Organized by the E & ICT Academy, NIT Warangal at DVR & Dr .HS MIC College of Technology, Kanchikacherla, during 12-17 June, 2017.
- Attended National Workshop on “Graphical System Design using Labview” Organized by Dept.of ECE, AUCE (A), Andhra University, 30-31March, 2017.
- Attended one week FDP on “ Speech and Image Processing ” Organized by the E & ICT Academy, NIT Warangal at MVR College of Engineering and Technology Paritala, during 10-15 April, 2017.
- Attended a ten days FDP on “Wireless Communication Hands on” at NIT Warangal 14-23, December, 2015.
- Attended a five day short term training program me on “practical RF Antenna design” at NIT Warangal 6th to 10th July 2015.

- Attended a two day workshop on “Recent Trends & Scope for Research in Signal Processing and Communication” at DVR & Dr .HS MIC College of Technology Kanchikacherla, during 27th to 28th August 2014.
- Attended a one day workshop on “Research methodologies in Electromagnetics” at VVIT, Guntur, on 6th January 2014.
- Attended a two day National seminar on “Image processing and applications” at ANU, Guntur on 3 - 4 December 2011.

CERTIFICATIONS: NPTEL (with details)

- Successfully Completed NPTEL online course in **Microwave Theory and Techniques** with **Elite + Silver** certificate.
- Successfully Completed NPTEL online course in **Microwave Engineering** with **Elite** certificate.
- Successfully Completed NPTEL online course in Semiconductor devices and circuits with **Elite** certificate.
- Successfully Completed NPTEL online course in Antennas with **Elite + Silver** certificate.

GUEST LECTURES DELIVERED:

- Acted as Resource person for Two day workshop on “**ANSYS HFSS**” during 29-30 August, 2019 in Gudlavalleru Engineering College, Gudlavalleru.

MEMBERSHIP IN PROFESSIONAL BODIES: IEEE

CONSULTANCY ACTIVITIES: -----

GRANTS FETCHED:

A project title “Design and Development of Flexible Microstrip Antennas for Wireless Body Area Networks” with a Grant of 80,000 /- for the academic years 2018-2019 and 2019-2020 funded by GEC, R&D.