



DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY
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FACULTY PRPOFILE

Name of the Faculty Dr. M Vamshi Krishna
Designation Professor
Date of Joining 19-10-2020
Nature of Association Regular
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Department **Electronics and Communication Engineering**

Educational Background: 1. M.Tech (Radar & Microwave, AUCOE(A), Andhra University, Visakhapatnam.
 2. B. Tech (ECE) from JITM, Biju Patnaik University of Technology (BPUT)

Areas of Specialization **Radar and Microwave Engineering,**
Research Areas Applied Electromagnetics, Antenna Designing, Wireless Communication

Total Experience 13 Years

Teaching/Research Experience 11/2

Sl. No	Institute	Designation	Period (mm/year)
1	DhaneKula Institute of Engineering & Technology	Professor	10/2020 - till date
2	Centurion University	Associate Professor	08/2017 – 10/2020
3	GITAM University	Assistant Profesor	10/2014 – 08/2017
4	Centurion University	Assistant Profesor	05/2011- 10/2014
5	WIPRO Technologies	Software Developer	02/2010- 05/2011
6	RAGHU engineering College	Assistant Profesor	11/2007 – 07/2009

List of Publications (National and International Journals): 23

1. M Vamshi Krishna “Circular antenna array optimization using modified social group optimization algorithm”, April 2021, Soft Computing DOI: 10.1007/s00500-021-05778- 2 (SCI)
2. M Vamshi Krishna , "Design and Investigation of Hexagonal Shaped Wearable Antenna for Body Centric Wireless Communication", Solid State Technology Volume: 63 Issue: 6 Publication Year: 2020
3. M Vamshi Krishna , "Study on image processing using deep learning techniques", October 2020 Materials Today: Proceedings , Follow journal DOI: [10.1016/j.matpr.2020.09.536](https://doi.org/10.1016/j.matpr.2020.09.536)

4. Vamshi M Krishna, G S N Raju and S Mishra. Generation of Low Sidelobe Difference Pattern using Nature Inspired Metaheuristic Algorithms. International Journal of Computer Applications 143(3):29-35, June 2016.
5. Vamshi Krishna., M, Raju, G.S.N., and Mishra, S “Non-Uniform Circular Array Synthesis using Cuckoo Search Optimization”, International Journal of Advanced Technology and Innovative Research, ISSN 2348-2370, Volume No.08, Issue No.05, May2016.
6. Vamshi Krishna., M, Raju, G.S.N., and Mishra, S.,” “Null Positioning in Circular Arrays using Cuckoo Search Algorithm” ,International Journal of Scientific Engineering and Technology Research, ISSN 2319-8885, Volume No.05, Issue No.11, May-2016.
7. Prabhat K. Patnaik, Dhruba C. Panda, M. Vamshi Krishna,” Different Fractal Antenna Structure Analysis using ANN”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol.: 9 Issue:3 Page No.: 1787-1791 ,Mar 2020.
8. Shibashis Pradhan, Deepak Kumar Barik, Dr M Vamshi Krishna, Sujatarani Raut ,” Generation of Spreading Codes with Minimum Correlation using Sorting Genetic Algorithm-II”, IJITEE - International Journal of Innovative Technology and Exploring Engineering Vol.: 9 Issue: 1 , November 2019.
9. Murthy Cherukuri Kunja Bihari Swain, Satya Sopan Mahato, M Vamshi Krishna,” Situational Awareness Enhancement in Transmission Lines using NI Based PMU”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume 9, Issue 3, Pages 2987-2997, Publisher Blue Eyes Intelligence Engineering & Sciences Publication.
10. T.Sairam Vamsi, Dr. M.Vamsi Krishna, Dr. T.Sudheer Kumar, “Channel Estimation Techniques for OFDM and GFDM: A Review”, Test Engineering and Management ,Article Info Volume 83, Page Number: 17143 – 17149, Publication Issue: March - April 2020.
11. Akash Kumar Gupta, P S R Chowdary , M. Vamshi Krishna,”Trends in IoT Antenna Design-A Brief Review “, Article Info Volume 83 Page Number: 14198 - 14203 Publication Issue: May - June 2020, Test Engineering and Management.
12. M.Murali E.V.S.D.S.N.S.L.K.Srikala, M.Vamsi Krishna, GSN Raju,Element Failure Correction Techniques of Linear Array Antenna- A Short Review,Publication date 2020/5/19,Journal,Test Engineering and Management,Volume,83,Issue,may - june 2020,Pages 14182 – 14187,Publisher,Test Engineering and Management.
13. A.V.S Swathi , V.V.S.S.S Chakravarthy , M.Vamshi Krishna, ”Techniques of Optimizing Circular Array Using Novel Evolutionary Computing Tools “, Journal,Test Engineering and Management,Volume,83,Issue,may - june 2020,Pages 14182 – 14187,Publisher,Test Engineering and Management.
14. M Vamshi Krishna Murthy Cherukuri, Kunja Bihari Swain, Satya Sopan Mahato,”Transmission Line Fault Analysis Using Synchronized Phasor Measurements,”Journal,Test Engineering and Management,Volume,83,Issue,may - june 2020,Pages 14182 – 14187,Publisher,Test Engineering and Management.
15. D Ramesh Varma, M Murali, M Vamshi Krishna,”A Survey on Synthesis of Linear antenna arrays, circular antenna arrays, conformal arrays and Beamforming Techniques”,Publication date2020/1/31,Journal: Solid State Technology,Volume 63,Issue 1s Pages 1964-1975.
16. D.Ramesh Varma Dr.M.Murali Dr.M.Vamshi Krishna,” Sidelobe reduction in an Antenna Array using nature inspired Genetic Algorithm “,High Technology Letters Volume 26, Issue 8, 2020 ISSN NO : 1006-6748.

National/International Conferences ((National and International))

17. Vamshi Krishna., M, Raju, G.S.N., and Mishra, S.,” Sidelobe Level Reduction in Linear Antenna Array synthesis Using Cuckoo Search & Accelerated Particle Swarm Algorithms”, Proceedings of Springer International Conference on Micro- Electronics, Electromagnetics and Telecommunications.
18. Vamshi Krishna., M, Raju, G.S.N., and Mishra, S.,” Design of linear and circular arrays using natural search algorithms for generation of low sidelobe patterns”, Proceedings on IEEE International Conference on Electromagnetic Compatibility
19. Vamshi Krishna., M, Raju, G.S.N., and Mishra, S.,” Synthesis of Optimal Sum and Difference Patterns using Cuckoo Search Algorithm”, 2nd International Conference on Sustainable Computing Techniques in Engineering, Science and Management, January 27-28, 2017.
20. Vamshi Krishna., M, Raju, G.S.N., and Mishra, S.,” Design of Linear and Circular Arrays Using Natural Search Algorithms for Generation of Low Side Lobe Patterns”, Proceedings of Springer International Conference on MicroElectronics, Electromagnetics and Telecommunications.
21. Srikala EVSDNSLK, M. Vamshi Krishna, GSN Raju,” Pattern Recovery In Linear Array Antenna Using Flower Pollination Algorithm”, 2019 IEEE International Conference on Intelligent Systems and Green Technology (ICISGT), 10.1109/ICISGT44072.2019.00027, 29-30 June 2019.
22. AK Gupta, AK Patnaik, S Suresh, PSR Chowdary, MV Krishna,”DGS-Based T-Shaped Patch Antenna for 5G Communication Applications”,Microelectronics, Electromagnetics and Telecommunications, Book: Microelectronics, Electromagnetics and Telecommunications, Pages 11-19,Publisher Springer, Singapore.
23. TS Vamsi, TS Kumar, MV Krishna ,” Impact Analysis of Black Hole, Flooding Attacks and Enhancements in MANET Using SHA-3 Keccak Algorithm Microelectronics, Electromagnetics and Telecommunications, Book: Microelectronics, Electromagnetics and Telecommunications, Pages 11-19,Publisher Springer, Singapore.

Achievements / Awards etc.

- Reviewer for prestigious IEEE Internet of Things Journal.
- Received Best Paper Award in International Conference on Analytical & Interdisciplinary Research (ICAIR-2021) (On-line), jointly organized by Sangam University India, BlueCrest University Liberia and NIIT Ghana at Sangam University Campus, Bhilwara-311001, Rajasthan (INDIA) during 05th - 06th Feb, 2021.
- TECHNICAL ADVISORY COMMITTEE for 6th International Conference on Micro-Electronics, Electromagnetics and Telecommunications. ICMEET – 2021,27-28 August, 2021,Organized by Bhubaneswar Engineering College, Bhubaneswar, Odisha, India

Dr. M Vamshi Krishna