

ANNAMACHARYA UNIVERSITY

About Profile



NAME : Dr.K.PRASAD

DATE OF BIRTH : 16.05.1986

DESIGNATION : ASSOCIATE PROFESSOR

DEPARTMENT : ELECTRONICS & COMMUNICATION ENGINEERING

EMAIL ID : kpd@aitsrajampet.ac.in
kasigariprasad@gmail.com

DATE OF JOINING: 10.12.2007 & 01.12.2011

EMPLOYEE ID :

Academic Profile

Qualification	Name of the Board/University	YEAR
PhD	Sri Satya Sai University of Technology & Medical Sciences, Shore, Bhopal, Madhya Pradesh. India.	2018
M. Tech	Jawaharlal Nehru Technological University, Anantapuramu, Andhra Pradesh, India.	2012
B. Tech	Jawaharlal Nehru Technological University, Hyderabad, Andhra Pradesh, India	2007

Board of Intermediate Education	Sri Shirdi Sai Junior College, Rajampet, Kadapa District, Andhra Pradesh from Board of Intermediate Education , Andhra Pradesh, India in the year 2001-2003.	2003
SSC	Jawahar Navodaya Vidyalaya, N.R.Palli, Rajampet, Kadapa District, Andhra Pradesh from Central Board of Secondary Education in the year 2000-2001.	2001

Research Details

1. Areas of Specialization:

Antennas & Wave propagation,
Electromagnetic Theory,
Wireless Communications.

2. List of Publications:

1. **K.Prasad**, N.Sreekanth, B.Abdul Rahim. 2012. Comparative Analysis of Fractal Antennas, *International Journal of Communications and Engineering*. 3(1): 196 – 207.ISSN NO 0988-0382E
2. **K.Prasad**, 2012. “Handwriting: Changing the phase of the Nation” *International journal of multidisciplinary educational research* 1(4): 314-332, ISSN : 2277-7881
3. **K.Prasad**, K.Ramudu, B.Abdul Rahim, 2012. Compensation of Inter Carrier Interference in OFDM systems by using Self cancellation scheme. “*International Journal of Advanced research in Technology*” 2(3):6-12. ISSN: 6602 3127.
4. C.SatyaHaritha. **K.Prasad**. 2015. Performance Analysis of ICI in OFDM systems using self-cancellation and Extended kalman filtering. *International Journal of Advanced research in Electronics and communication Engineering*, 4(7): 2064-2069.ISSN:2278-909X
5. Venkata Subbaiah Y, **Prasad K** 2015. Linear Pre-coder Design to Minimize Peak to Average Power Ratio (PAPR) For MIMO-OFDM System, *International journal & Magzine of Engineering Technology management & research* 2(7): 202-208. ISSN No 2348-4845
6. **Prasad K**, B. Lakshmi Devi. 2016. Design and simulation of wide Band Square Micro-strip Patch Antenna, *International Journal of Advanced*

research in computer and communication Engineering 5(7): 457-460. DOI: 10.17148/IJARCCE.2016.5790, ISSN: 2278 – 1021.

7. **K.Prasad**, S.Muneera Begum, 2016. Novel approach to the design and simulation of square spiral antenna, *International journal of Research in Engineering Technology*, 1(5):6-10, ISSN:2455-1341, Open Access

8. **K.Prasad**, C.Santhoshini 2016. A Review on Neoteric Blade antenna for Airborne *International Journal of Advanced Trends in Engineering, Science and Technology(IJATEST)*, 4(1): 38-43.

9. **Prasad K**, M.Lakshmi Prasanthi, K.Likitha, R.Lakshmi Prasanna. 2016. A brief study on basic antenna types for wireless communications *International Journal of Advanced Trends in Engineering, Science and Technology*, 1-4. ISSN: 2395-1303, Open access.

10. **K.Prasad**, R.P.Singh, N.Sreekanth 2016. A Systematic survey on Blade antennas for Airborne applications. *International Journal of Advanced Trends in Engineering, Science and Technology*, 4(1), 17-22.

11. **K.Prasad**, K.Narendra 2017. Design of Circular Patch Fractal Antenna by using Sierpinski Carpet Geometry, *International Journal of Advanced Scientific Technologies in Engineering and Management Sciences* 3(11): 22 - 26.ISSN:2454-356X

12. **K.Prasad**, R.P.Singh, N.Sreekanth 2017. Modeling and Investigation of Blade antenna with and without single ring resonator. *International journal of Advanced Research in science and Engineering*, 6(1): 569-573. ISSN: 2319-8354

13. **K.Prasad**, R.P.Singh, N.Sreekanth 2017. Comparative Investigation of Blade antenna in S band for airborne applications, *Journal of advanced research in dynamical and control system*, 9(12): 1969-1976 [Scopus](#)

14. **K.Prasad**, R.P.Singh, N.Sreekanth. 2018. An Enhanced Bandwidth Blade Antenna model for Air borne applications, *International Journal of Engineering and Techniques*, 1-4. ISSN: 2395-1303, Open Access.

15. **K.Prasad**, R.P.Singh, N.Sreekanth 2018. Design and analysis of blade antenna using diverse rectangular substrates with SSRR and SRR. *International journal of pure and applied mathematics*, 118(14): 295-300.ISSN:1314 – 3395 [Scopus](#)

16. **Prasad K**, B. Chaitanya Lahari,K. Adi Lakshmi. 2019. A Methodical Review on Yagi Uda Antenna for Broadcasting Applications. *International Journal of Engineering Research*, 8 (2): 115-117. ISSN:2319-6890
17. **Prasad K**, K.Adilakshmi, K. Harsha Vardhan 2019. Design Of Miniaturized Multi-Band Metamaterial Planar Patch Antenna (Mmmpp) For Atmospheric Sureillance And Air Traffic In L Band. *International Journal of Engineering Research*, 8 (1): 59-62. ISSN:2319-6890
18. **Prasad K**, 2019. “Investigation of Blade Antenna with different Resonating shapes” *Smart computing and Informatics SCI. Web of Science* 1: 313-318. DOI: DOI: 10.1007/978-981-32-9690-9_31
19. **Prasad K**, S.Imran Basha, Y.Keerthi, D.S.Ifsha Tabassum. 2020 “Design and modelling of miniaturized inverted e-shaped textile antenna for ISM applications” *The International journal of analytical and experimental modal analysis*. 12(4): 1971 – 1925. ISSN : 0886-9367, DOI:18.0002.IJAEMA.2020.V12I3.200001.0156526
20. **K.Prasad**, R.P.Singh, 2021 “A Systematic synthesis and analysis of linear antenna arrays using Matlab”. *Cybernetics, Cognition, and Machine Learning for Communication Technologies – lecture Notes – Springer – Scopus* 643: 445 -454. DOI:10.1007/978-981-15-3125-5_43.
21. **K.Prasad**, P.Kishore Kumar 2021 “Design and investigation of the performance of composite spiral antenna for direction finding applications” *Cybernetics, Cognition, and Machine Learning Applications*. 2 : 375-386 *Springer – Scopus* DOI: 10.1007/978-3-030-68291-0_30
22. **Prasad K**, K.Lakshmi Prasanna, O.Bhavya Sree, S.Basha, K.Divya. 2021. Design of miniaturized dual band microstrip antenna for wireless LAN Applications, *Journal of Interdisciplinary cycle research*, 3(16): 1428-1432. ISSN: 0022-1945. DOI:18.0002.JICR.2021.V13I6.008301.3171229128.
23. **K. Prasad**, M. Venugopal, T. Yogeswar Reddy, V. Surendrababu, B.Sreenivasulu. 2021. Real time water quality monitoring sytem, *Journal of Interdisciplinary cycle research*. 13(6): 1433-1438. DOI:18.0002.JICR.2021.V13I6.008301.3171229129.
24. **Prasad K**, N.Ratna Kumari, T.Pravallika, K.Rohit Reddy, N.Sai Sumanth, 2022. “Gender and age detection using convolutional neural

networks on real time stream”, *Journal of Information and Computational Science*.12 (5): 88-97. ISSN: 1548-7741, DOI:10.12733.JICS.2022.V12I05.535569.58012

25. Prasad K, J.Soumika, K.Supreeth Reddy, B.Sumitra, D.Sudharshan, 2023. “Design Simulation and analysis of wide band directional antenna using Artificial Magnetic Conductor for Ultra wide band Applications”, *Journal of Information and Computational Science*.13 (3): 54-64. ISSN: 1548-7741, DOI: 10.12733.JICS.2023.V13I3.535569.77617, https://drive.google.com/file/d/108pDOOSSW_O9Khr8kQVHtM_sHzrwJfNn/view

26. K. Prasad K, C. Baba Faqrudin, C. Chetan Kumar, A. Greeshma Sree,G. Bhavitha 2023. “Smart Bag with Safety And Real Time Tracking: To Prevent Theft And Human Trafficking”, “*International Journal of All Research Education and Scientific Methods*”(IJARESM).11(3):198-204. ISSN: 2455-6211, Impact Factor: 7.429

27. Kasigari Prasad, “A comprehensive survey of metamaterials based Microstrip patch antenna for multiband applications”, *Educational Administration: Theory and Practice*, 29(4), 1221-1234, 2023.

28. Kasigari Prasad, “Ai-Driven Optimization of Iot Antenna Design for Enhancing Efficiency, Adaptability, and Performance”, *Journal of Harbin Engineering University*, ISSN: 1006-70431, Vol 45 No.6, June 2024, Page No: 1-8.

29. Kasigari Prasad, “Ai-Driven Optimization of Iot Antenna Design for Enhancing Efficiency, Adaptability, and Performance”, *Journal of Harbin Engineering University*, ISSN: 1006-70431, Vol 45 No.6, June 2024, Page No: 1-8.

30. Kasigari Prasad, S.Vandana, G.Sudharshan, A.Srinivasulu, M.Madhav Varma, “Development OF a Portable Emergency Ham Radio Communication System For Disaster Response”,” *IEEE Conference: 2025 International Conference on Computer, Electrical & Communication Engineering (ICCECE)*, February 2025.

31. Kasigari Prasad, Moving Drone Based on Track Association using Ebola Optimized Sparse DAE Network for Vehicle Tracking”, *Journal of*

3. Awards Received:

1. Received **International Young Investigator Award** from IR NET – INDIA in 2012
2. Received **Best Educators Award** from International Association Of Research And Developed Organization, India in 2019
3. Received **Best Engineer Award** from Institution Of Engineers, India in 2015
4. Received **The Jewel Of Rajampet Award** from Regency Educational Institutions, Andhra Pradesh in 2015
5. Received **Best Teacher Award** from Jawahar Navodaya Vidyalaya, Kadapa in 2020
6. Received **Best Engineers Award** from Institution of Engineers (India) Kadapa in the year 2023
7. Received **Best Teachers Award** from Lions Club (India) – Rajampet in September - 2023
8. Received **Best Education Influencer Award** from the Bharatiya Janatha Party division – Rajampet in September 2023

4. Research Guidance:

- A) No. of PhD Guided: 02
- B) No. of M. Tech Guided: 06
- C) No. of B. Tech Guided: 25

5. Details of Professional Membership:

- Institution of Engineers (India) -AMIE – AM155572-6
- Institute for Engineering Research & Publications -IFREP- PMIN23465870
- International Association of Engineers IAENG -320777

6. Subjects Taught:

- Antennas & Wave Propagation
- Electromagnetic Waves & Transmission Lines
- Microwave Engineering
- Optical Fiber Communications
- Wireless Communications

- Cellular Mobile Communications
- Satellite Communications
- Radar Engineering
- Television Engineering
- Digital Image Processing
- Electronic Circuit Analysis
- Basic Electronics Engineering
- Probability Theory & Stochastic Process
- Introduction to Communication Systems
- Data Communication Systems
- Principles of Communication Systems
- Design Thinking & Innovation

Publication Details

Title	Publisher	Published Year
Compensation of Inter Carrier Interference in OFDM Systems by using Self Cancellation Scheme	IJART	2012
HANDWRITING- CHANGING THE FACE OF THE NATION	International Journal of Multidisciplinary Educational Research	2012
Comparative Analysis of Fractal Antennas	International Journal of Communications and Engineering	2012
Performance Analysis of ICI in OFDM systems using self cancellation and Extended Kalman Filtering	International Journal of Advanced Research in Electronics and Communication	2015
Linear Pre-coder Design to Minimize Peak to Average Power Ratio (PAPR) For MIMO-OFDM System,	International journal & Magazine of Engineering Technology management & research	2015
Design and simulation of wide Band Square Micro-strip Patch Antenna,	International Journal of Advanced research in computer and communication Engineering	2016.

Novel approach to the design and simulation of square spiral antenna	International Journal of Research in Engineering Technology	2016
A review on neoteric blade antenna for Airborne applications	International Journal of Advanced Trends in Engineering Science and Technology	2016
A brief study on basic antenna types for wireless communications	International Journal of Advanced Trends in Engineering, Science and Technology,	2016.
A Systematic survey on Blade antennas for Airborne applications.	International Journal of Advanced Trends in Engineering, Science and Technology,	2016
Design of Circular Patch Fractal Antenna by using Sierpinski Carpet Geometry	International Journal of Advanced Scientific Technologies in Engineering and Management Sciences	2017.
Modeling and Investigation of Blade antenna with and without single ring resonator.	International journal of Advanced Research in science and Engineering,	2017.
Comparative Investigation of Blade antenna in S band for airborne applications,	Journal of advanced research in dynamical and control system,	2017
An Enhanced Bandwidth Blade Antenna model for Air borne applications,	International Journal of Engineering and Techniques,	2018
Design and analysis of blade antenna using diverse rectangular substrates with SSRR and SRR	International Journal of Pure and Applied Mathematics	2018
A Methodical Review on Yagi Uda Antenna for Broadcasting Applications.	International Journal of Engineering Research	2019
Design Of Miniaturized Multi-Band Metamaterial Planar Patch Antenna (Mmmpp) For Atmospheric Surveillance And Air Traffic In L Band.	International Journal of Engineering Research,	2019
Investigation of Blade Antenna with different Resonating shapes	Smart computing and Informatics SCI.	2019
Design and modelling of miniaturized inverted e-shaped textile antenna for ISM applications	The International journal of analytical and experimental modal analysis.	2020

A Systematic synthesis and analysis of linear antenna arrays using MATLAB.	Cybernetics, Cognition, and Machine Learning for Communication Technologies	2021
Design and investigation of the performance of composite spiral antenna for direction finding applications	Cybernetics, Cognition, and Machine Learning Applications.	2021
Design of miniaturized dual band microstrip antenna for wireless LAN Applications,	Journal of Interdisciplinary cycle research,	2021
Real time water quality monitoring system,	Journal of Interdisciplinary cycle research.	2021
Gender and age detection using convolutional neural networks on real time stream	Journal of Information and Computational Science.	2022
Design Simulation and analysis of wide band directional antenna using Artificial Magnetic Conductor for Ultra-wide band Applications”,	Journal of Information and Computational Science.	2023
Smart Bag with Safety and Real Time Tracking: To Prevent Theft and Human Trafficking	International Journal of All Research Education and Scientific Methods. (IJARESM).	2023
A comprehensive survey of metamaterials based Microstrip patch antenna for multiband applications.	Educational Administration: Theory and Practice	2023
Ai-Driven Optimization of Iot Antenna Design for Enhancing Efficiency, Adaptability, and Performance	Journal of Harbin Engineering University	2024
Design and Modelling of Frequency Reconfigurable Antenna by Using Bow-Tie Geometry	Cognitive Computing and Cyber Physical Systems Published in: Cognitive Computing and Cyber Physical Systems Publisher: Springer Nature Switzerland	2025

Development OF a Portable Emergency Ham Radio Communication System For Disaster Response	IEEE Conference: 2025 International Conference on Computer, Electrical & Communication Engineering (ICCECE),	February 2025.
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Books Published

1. **Engineering – A weapon to change the World – Kasigari Prasad, IIP Publications – ISBN : 978-93-5747-063-6**
2. **Kasigari Prasad, Revolution – *Realization at all levels for better society*, Research India publications, ISBN: 978-93-84144-24-1**
3. **Graphology – A systematic and scientific method to Personality development**
4. **Constitution of India: A comprehensive Guide for Engineering students – ISBN: 978-1-68576-527-9, Selfypage Developers Pvt Ltd. – Iterative International Publisher**

Patent Details

Sno.	Title of Patent	Submitted/Published/Awarded
1	IOT sensors based multi-functional and intelligent walk guiding stick for visual disabled person.	Published 201941051603 2019. Intellectual property India
2	System for walking Assistance device for visually impaired person using Machine Learning.	Published 202014007351 2020. Intellectual property India