



ANNAMACHARYA UNIVERSITY

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY
(ESTD, UNDER AP PRIVATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)
Rajampet, Annamayya District, A.P – 516126, INDIA

Faculty Profile

Basic Information:

NAME : Dr. Kasigari Prasad
DESIGNATION : Associate Professor
DEPARTMENT: ECE
DATE OF BIRTH : 16.05.1986
DATE OF JOINING : 10.12.2007
EMAIL ID : kasigariprasad@gmail.com
kpd@aitsrajampet.ac.in
EMPLOYEE ID : 384



Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph. dD	Sri Satya Sai University of Technology & Medical Sciences, Sehore, Bhopal, Madhya Pradesh. India.	2018
M.Tech	JNTU Ananthapuramu	2012
B. Tech	JNTU Hyderabad	2007

Research Details:

1. Areas of Specialization	:	Antennas, Wireless Communications
2. No. of Publications	:	30
3. Awards Received	:	05
4. Research Guidance		
	No. of PhD Guided:	03
	No. of MTech. Guided:	06
	No. of B.Tech. Guided:	31
5. Details of Professional Membership:		Institute of Engineers IEI(India), International Association of Engineers IAENG Institute of Engineering Research & Publication IFERP



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6. Subjects Taught	:	Antenna and wave Propagation Electromagnetic Fields & Transmission Lines Wireless & Mobile Communication Systems Microwave Engineering Cellular Mobile Communications Optical Fiber Communications Satellite Communications Radar Engineering Digital Image Processing Analog Electronic Circuits, Principles of Communication Systems TV Engineering Introduction to Communication Systems Design Thinking and Innovation Probability Theory and Stochastic Process Pulse and Digital Circuits
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Publication Details:

Title	Publisher	Published Year
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 Scopus	2025
Ai-Driven Optimization of IoT Antenna Design for Enhancing Efficiency, Adaptability, and Performance	Journal of Harbin Engineering University, Scopus	2024
A comprehensive survey of metamaterials based Microstrip patch antenna for multiband applications	Educational Administration: Theory and Practice, 29(4), 1221-1234, 2023.	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	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,	2023



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Gender and age detection using convolutional neural networks on real time stream	Journal of Information and Computational Science.	2022
Real time water quality monitoring system,	Journal of Interdisciplinary cycle research	2021
Design of miniaturized dual band microstrip antenna for wireless LAN Applications,	Journal of Interdisciplinary cycle research	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	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.	2021
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	2020
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	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, 8 (1): 59-62. ISSN:2319-6890	2019
A Methodical Review on Yagi Uda Antenna for Broadcasting Applications.	International Journal of Engineering Research, 8 (2): 115-117. ISSN:2319-6890	2019
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	2018



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An Enhanced Bandwidth Blade Antenna model for Air borne applications.	International Journal of Engineering and Techniques, 1-4. ISSN: 2395-1303, Open Access.	2018
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	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	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	2017
A Systematic survey on Blade antennas for Airborne applications.	International Journal of Advanced Trends in Engineering, Science and Technology, 4(1), 17-22.	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.	2016
A Review on Neoteric Blade antenna for Airborne	International Journal of Advanced Trends in Engineering, Science and Technology (IJATEST), 4(1): 38-43.	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	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.	2016



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Linear Pre-coder Design to Minimize Peak to Average Power Ratio (PAPR) For MIMO-OFDM System	International journal & Magazine of Engineering Technology management & research 2(7): 202-208. ISSN No 2348-4845.	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	2015
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.	2012
Handwriting: Changing the phase of the Nation	International journal of multidisciplinary educational research 1(4): 314-332, ISSN: 2277-7881	2012
Comparative Analysis of Fractal Antennas	International Journal of Communications and Engineering. 3(1): 196 - 207.ISSN NO 0988-0382E	2012

Patent Details:

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