Faculty Profile

Basic Information:

NAME	:	**Dr. CH. Nagaraju**
DESIGNATION	:	**Professor**
DEPARTMENT	:	**ECE**
DATE OF BIRTH	:	**05-05-1977**
DATE OF JOINING	:	**02-09-2011**
EMAIL ID	:	**chrajuaits@gmail.com** **chn@aitsrajampet.ac.in**
EMPLOYEE ID	:	**325**

Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D.	Sun Rise University, Rajasthan	2016
M. Tech	SKU Anantapur	2005
B. Tech	JNTU Hyderabad	2002

Research Details:

1. Areas of Specialization		:	Wireless Communications & Networks
2. No. of Publications		:	50
3. Awards Received		:	06
4. Research Guidance			
	No. of PhD Guided	:	07 (Guiding)
	No. of MTech. Guided	:	20
	No. of B.Tech. Guided	:	38
5. Details of Professional Membership :			AMIEI MIAENG
6. Subjects Taught		:	Wireless Communication Networks Cellular Mobile Communications Optical Fiber Communications Analog Communications Digital Communications Electronic Devices and Circuits Electronic Circuit Analysis

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

Publication Details:

Title	Publisher	Published Year
AI-Powered Smart Fuel Level Indicator and Prediction of Mileage for Two-Wheelers.	Journal of Mines, Metals & Fuels	2025
Hybrid optimization algorithm for enhanced performance and security of counter-flow shell and tube heat exchangers	PLOS ONE	2024
A hybrid model for lung cancer prediction using patch processing and deep learning on CT images	Multimedia Tools and Applications	2024
Correction to: A hybrid model for lung cancer prediction using patch processing and deep learning on CT images	Multimedia Tools and Applications	2024
Detection and Classification of COVID-19 Using Supervised Deep Learning on MRI Images	International Journal of Bioinformatics Research and Applications	2023
Blockchain-Based Secure Big Data Storage on the Cloud	In Blockchain Technology for IoT and Wireless Communications	2023
Design and Development of Leaf Disease Detection Using ML and OpenCV for Tomato Plants	Lecture Notes in Electrical Engineering	2024
Design and Implementation of Built-In Self-Test (BIST) Master Slave Communication Using I2C Protocol	Lecture Notes in Electrical Engineering	2023
PSO-Based Evolutionary Image Segmentation System for Analysis of Fatty Liver Level Recognition	Lecture Notes in Electrical Engineering	2023
A Novel Wideband Millimeter-Wave-Based OFDM Uplink System to Analyze Spectral Efficiency	Lecture Notes in Electrical Engineering	2023
Parametric Analysis for Channel Estimation in Massive MIMO Systems with 1-Bits ADCs	Lecture Notes in Electrical Engineering	2023
IoT Based Live Monitoring Public Transportation Security System by Using Raspberry Pi, GSM & GPS	Studies in Computational Intelligence	2022
Recursive Least Squares Linear Equalizer for Spectral Efficiency Enhancement in Green Radio Communications	Lecture Notes in Electrical Engineering	2022
Development of Hybrid Pre-coding Technique for MIMO Systems Based on Kalman Filter	Lecture Notes in Electrical Engineering	2020
Automated Speed Braking System Depending on Vehicle Over Speed Using Digital Controller	Lecture Notes in Electrical Engineering	2020

Title	Journal	Year
Performance Analysis of LTE Based Transceiver Design Using Different Modulation Scheme	Lecture Notes in Electrical Engineering	2021
Synchronization Method for MIMO-OFDM Systems Using CAZAC	International Journal of Engineering Research	2019
Message Passing Algorithm for Compressed Sensing by Using Hybrid Vector Perturbation	International Journal of Engineering Research	2019
Reduction of PAPR in MIMO-OFDM Using Adaptive SLM and PTS Technique	International Journal of Pure and Applied Mathematics	2018
Reduction of PAPR in MIMO-OFDM Using Adaptive SLM and PTS Technique	Helix, The Scientific Explorer	2017
Design of Intelligent Safety Helmet System for Motorcyclist	International Journal of Engineering and Techniques	2018
MRI Denoising Based on Wavelet Shrinkage Method	International Journal of Engineering and Techniques	2018
Automatic Dam Gate Control System With Caution Alarm Using ARM	International Journal Research	2016
MIMO OFDM System using Self Heterodyne on Relay Path Analysis	International Journal of Advanced Technology and Innovative Research	2016
A Novel Enhanced Technique for PAPR Reduction Using Weighted OFDM Signal	International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE)	2015
Automotive Engine Temperature Control Employing Apt Temperature Measurement and Control Measures	International Journal of Engineering Research and Applications (IJERA)	2012
Quality of Service-Oriented Multimedia Protocol for Wireless Adhoc Network	International Journal on Computer Science & Information Technologies	2011

Patent Details:

Title of Patent	Submitted/Published/Awarded
IoT System to Detect and Analyze Gait of an Individual and Method Employed Thereof	Published
Computer Implemented Method and System for Processing Qualitative Imaging to Detect and Forecast Abnormalities	Published