



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.N.MERRIN PRASANNA
DESIGNATION : Associate Professor
DEPARTMENT : CSE
DATE OF BIRTH : 10-June-1985
DATE OF JOINING : 01-Aug-2021
EMAIL ID : nmp@aitsrajampet.ac.in
EMPLOYEE ID : 1642



Academic Profile

Qualification	Name of the Board/University	YEAR
Ph.D	Koneru Lakshmaiah Educational Foundation	2020
M.Tech	S.K.University	2009
B.Tech	J.N.T.U.Hyderabad	2006

Research Details:

1. Areas of Specialization	:	Image and Signal Processing using Soft Computing Techniques
2. No. of Publications	:	
3. Awards Received	:	Academic Excellence Award by Novel Research Academy in 2023
4. Research Guidance		
	No. of PhD Guided:	04
	No. of MTech. Guided:	04
	No. of B.Tech. Guided:	30
5. Details of Professional Membership:		IEEE, IFERP, SMISEEE



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6. Subjects Taught	:	Cyber Security and Ethical Hacking, Cryptography and Network Security, Computer Networks, Python Programming, Internet of things (IOT), Computer System and Architecture (CSA), Communication Systems, EMTL, satellite communication, Mobile Communication, Cellular Engineering, Radar Engineering, Micro-Wave Engineering, Circuit Analysis, EDC.
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Publication Details:

Title	Publisher	Published Year
Effective Minimization of Fraud Using a Hybrid Novel Approach on Social Media	IEEE Conference	2025
Effective Minimization of Fraud Using a Hybrid Novel Approach on Social Media	4th International Conference on Sentiment Analysis and Deep Learning	2025
Novel Efficient Approach that Enhances Security over Biometric Systems Using Computer Vision Techniques	<u>Leveraging Computer Vision to Biometric Applications, Taylor&Francis Group</u>	2024
Design and Development of Leaf Disease Detection Using the ML and Open CV for Tomato Plants	International Conference on Communications and Cyber Physical Engineering	2024
An Enhanced Woelfel Image Noise Filter	Springer Nature	2024
Tomato leaves disease identification by deep convolution neural network using inception V3	AIP Publishing	2023
Intelligent Tool Wear Monitoring: A Confluence of Improved Dragonfly Optimization and Deep Belief Networks	Springer Nature	2023
Accurate brain disease diagnosis with ue-cnn uncertainty discrimination	IEEE Conference	2023
Machine Learning Based Smart Helmet for Air Quality and Hazardous Event Detection in the Mining Industry	IEEE Conference	2023
Nutrient Deficiency Detection using a MobileNet: An AI-based Solution	IEEE Conference	2023
(Digital Presentation) Design and Development of Leaf Disease Detection Using the ML and Open CV for Tomato Plants	IOP Publishing	2023
Auto-Guide for Caroms Playing Using IoT	Springer Nature	2022
Machine Learning Based Automated Disaster Message Classification System Using Linear SVC Algorithm	Springer Nature	2022
Industrial IoT enabled fuzzy logic based flame image processing for rotary kiln control	Springer Nature	2022



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Industrial IoT Enabled Fuzzy Logic Based Flame Image Processing for Rotary Kiln Control	Springer Nature	2022
Industrial IoT enabled fuzzy logic based flame image processing for rotary kiln control	Springer Nature	2021
Keen energy efficient street light controlling framework dependent on IoT for smart campus MRRITS	Springer Nature	2021
Development of Conventional Controller Based on Image Processing for Monitoring and Controlling Burning Zone Temperature in a Cement Plant in Rotary Kiln Process Through IOT.	Research Gate	2021
The Advanced Modeling and Development of Monitor and Control of Burning Zone Temperature in Rotary Kiln of a Cement Plant using soft Computing Techniques	Shodhganga	2021
Development of Mathematical Model based ROI for Rotary kiln To Measure Burning Zone Temperature in Cement Industry by Digital Image Processing		2020
Design and real time implementation of Anfis controller for optimizing the burning zone temperature in rotary kiln in cement industry	Research Gate	2020
“COMPUTER IMPLEMENTED METHOD AND SYSTEM FOR PROCESSING QUALITATIVE IMAGING TO DETECT AND FORECAST ABNORMALITIES”,		2019
Development and Evaluation of Mathematical Model based Region of Interest for Rotary kiln Burning Zone Temperature in Cement Industry by Digital Image Processing	Research Gate	2019
Optimization of Rotary Kiln in Cement Industry Using Conventional Control Systems	Helix The scientific Explorer	2019
Development and evaluation of mathematical model based region of interest for rotary kiln burning zone temperature in cement industry by digital image processing	Research Gate	2019
Development of Mathematical Model of Rotary Kiln which are used for Design Conventional Control Systems	Research Gate	2018



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COMPUTATIONAL INTELLIGENCE SURVEY ANALYSIS FOR ADVANCED MODELING AND DEVELOPMENT OF INTELLIGENT CONTROLLER BASED ON WIRELESS SENSOR NETWORKS FOR INDUSTRIAL APPLICATION	Research Gate	2017
Performance analysis of dual hop relaying over Rayleigh fading channels	IEEE Conference	2016
Design and Analysis of UWB Antenna for Wireless Commercial Applications	Research Gate	2015
An Efficient High Performance Wallace Tree Multiplier Using Modified Booth Encoder Design and Implementation	UGC Care Journal	2015
WIRELESS CHARGING OF MOBILES BY USING MICROWAVES	UGC Care Journal	2014
RADAR BASED ANIMAL DETECTION SYSTEM FOR ROAD SAFETY	UGC Care Journal	2013

Patent Details:

Title of Patent	Submitted/Published/Awarded
FORM FOR AUTHORISATION OF A PATENT AGENT IN A MATTER OR PROCEEDING UNDER THE ACT	20/09/2019



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