



# 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 K RIYAZUDDIN  
DESIGNATION : Associate Professor  
PARTMENT: ECE  
DATE OF BIRTH : 15.08.1980  
DATE OF JOINING : 01.12.2011  
EMAIL ID : Shaik.riyazuddin7@gmail.com  
EMPLOYEE ID : 389



### Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D.	SUNRISE UNIVERSITY, ALWAR RAJASTHAN	2017
M.Tech.	VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM, KARNATAKA	2011
B.Tech.	JNTU, HYDERABAD	2003

### Research Details:

1. Areas of Specialization	:	COMMUNICATION ENGINEERING, WIRELESS NETWORKS
2. No. of Publications	:	30
3. Awards Received	:	-
4. Research Guidance		
	No. of PhD Guided:	
	No. of MTech. Guided:	06
	No. of B.Tech. Guided:	20
5. Details of Professional Membership:		MISTE



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6. Subjects Taught	:	COMMUNICATION SYSTEMS, ANALOG COMMUNICATION, DIGITAL COMMUNICATION, SWITCHING THEORY AND LOGIC DESIGN, DIGITAL DESIGN, DIGITAL LOGIC DESIGN, ELECTRONIC DEVICES AND CIRCUITS, LINEAR IC APPLICATIONS, PULSE AND DIGITAL CIRCUITS, SATELLITE COMMUNICATIONS, WIRELESS COMMUNICATIONS AND NETWORKS, RADAR SYSTEMS, etc.,
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## Publication Details:

Title	Publisher	Published Year
Revolutionizing 6G Networks: Large Intelligent Surfaces and Non-Orthogonal Multiple Access	IEEE	2025
Multiband OFDM Uplink and Mixed Receiving in the Millimeter Wave	Springer	2025
Beam Phenomenon in Dual-Polarized Antennas Using MIMO	Springer	2025
Hyper Spectral Imagery System to Detect Endmember Sources.	Springer	2025
Exploring 6G Wireless Networks: Millimeter-Wave Revolution and Mixed-Carrier Communication for Enhanced Spectrum Efficiency	Springer	2025
Design and Development of Leaf Disease Detection Using the ML and Open CV for Tomato Plants	Springer	2024
An Enhanced Woelfel Image Noise Filter	Springer	2024
Monitoring the Farming Conditions Using IoT	Springer	2023
Design of Efficient 8-Bit Fixed Tree Adder	Springer	2023
Machine Learning Technique for Precision Agriculture Applications in 5G-Based Internet of Things	Hindawi	2022
OTFS modulation channels estimation performance technology innovative WINDOW	Springer	2022
A Fencing System for Contact Traceability of Covid-19	Springer	2021



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The LTE Indoor and Outdoor Performance Evaluation Using OFDM.	Springer	2020
Low power enhanced leach protocol to extend WSN lifespan	Springer	2020
Object detection using class agnostic method	IJAEMA	2020
Performance Analysis of OFDM, FBMC and UFMC	IJAEMA	2020
Design and Implementation of Novel 4-Bit ALU	Springer	2020
Enhanced Energy Detection Method for Sensing the Spectrum in Cognitive Systems	IJER	2019
Smart Navigation Using a Mobile Guided Robot	IJER	2019
IOT based security system for women and children safety	ICETETSM - 17	2018
An Autonomous Wireless Implementation of IOT based Healthcare Applications	IJET	2018
Computational development of an adaptive model for LTE with OFDM	JARDCS	2017
Performance evaluation of LTE OFDM system using an adaptive modulation scheme in indoor and outdoor environment	IEEE	2017
Analyzing the Behaviour of OFDM Parameters in Different LTE Environment	IEEE	2017
Performance evaluation of LTE based system parameters using OFDM in indoor and outdoor environment	INDJST	2016
QR code modulation for data transmission in mobile devices using OFDM-DWT technique	IJATIR	2016
Studying the effect of OFDM parameters on LTE's system performance in different environment	IJATEST	2016
Object identification and counting based on foreground detection using morphology in dynamic texture scenes	UGC	2015
A novel visibility algorithm for captured distorted road scenes	UGC	2015



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Secure data dissemination based on Merkle hash tree for wireless sensor networks	UGC	2014
Autonomous stair climbing with re-configurable tracked mobile Robot	UGC	2013
A Ranging Model Based Components For Localization In Sparse Networks	UGC	2012

## **Patent Details:**

Title of Patent	Submitted/Published/Awarded
Optimization Of Antenna Design For Internet Of Things Applications	Published
Enhancement Of Quality Of Service In Wireless Sensor Network By Redundant Sensors Controlling	Published
A Novel Automatic Focal Electroencephalogram (EEG) Signals Detection System With Multiresolution Analysis	Published
Method for medical image analysis	Published
Computer-Implemented System For Optimizing Placement And Routing In Very-Large-Scale Integrated Circuit Design	Published