

ANNAMACHARYA UNIVERSITY

About Profile



NAME: **Dr K RIYAZUDDIN**

DATE OF BIRTH: 15.08.1980

DESIGNATION: Associate Professor

DEPARTMENT: ECE

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DATE OF JOINING: 01.12.2011

EMPLOYEE ID: AITS041005

Academic Profile

Qualification	Name of the Board/University	YEAR
Ph.D	SUNRISE UNIVERSITY, ALWAR, RAJASTHAN	2017
M.Tech	BITM, BELLARY, VTU- BELGAUM	2011
B.Tech	MADINA ENGINEERING COLLEGE, KADAPA, JNTU-HYDERABAD	2003

Research Details

1. Areas of Specialization: Communication Systems, Digital Electronics,
Wireless Networks
2. List of Publications:
3. Awards Received:
4. Research Guidance:
A) No. of PhD Guided:

B) No. of M. Tech Guided:

C) No. of B. Tech Guided:

5. Details of Professional Membership: ISTE- Life Member

6. Subjects Taught:

1. Electronic Devices and Circuits
2. Analog Communications
3. Digital Communications
4. Communication Theory
5. Communication Systems
6. Linear IC Applications
7. Switching Theory & Logic Design
8. Wireless Communications & Networks
9. Satellite Communications
10. Radar Engineering
11. Pulse and Digital Circuits
12. Digital Logic Design
13. Analog & Digital Communications
14. Digital Data Communications
15. Advanced Data Communications (Pre Ph. D)
16. Wireless Communications & Networks (Pre Ph. D)

Publication Details

Title	Publisher	Published Year
Cardiovascular Disease Detection through Integrated Spectral Analysis and Deep Learning	IEEE	2025
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
The LTE Indoor and Outdoor Performance Evaluation Using OFDM	SPRINGER	2021
Low power enhanced leach protocol to extend WSN lifespan	SPRINGER	2020
Design and Implementation of Novel 4-Bit ALU	SPRINGER	2020
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

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