**ANNAMACHARYA UNIVERSITY FACULTY DETAILS FOR WEBSITE**

**About Profile**

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NAME: **Dr K RIYAZUDDIN**

DATE OF BIRTH: 15.08.1980

DESIGNATION: Associate Professor

DEPARTMENT: ECE

EMAIL ID: [shaik.riyazuddin7@gmail.com](mailto:shaik.riyazuddin7@gmail.com), [riyazk@aitsrajampet.ac.in](mailto:riyazk@aitsrajampet.ac.in)

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:
5. No. of PhD Guided:
6. No. of M. Tech Guided:
7. No. of B. Tech Guided:
8. Details of Professional Membership: ISTE- Life Member
9. 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** |