



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade & NBA (CSE, IT, ECE, EEE and ME Under Tier - I)

An ISO 9001:2015 Certified Institution

Approved by AICTE, New Delhi and Permanently Affiliated to JNTUK, Kakinada

L.B. REDDY NAGAR, MYLAVARAM, NTR DIST., A.P.-521 230.

principal@Lbrce.ac.in, <https://www.Lbrce.ac.in> Phone: 08659-222933, Fax: 08659-222931

FACULTY PROFILE



Name : Mr. Bandi Narasimha Rao
Designation : Assistant Professor
Department : ECE
Areas of Research : Wireless Communications.
Email ID : narasimharaobandi5@gmail.com
Phone Number : +91 7285929264

Academic Qualifications:

- **Ph. D. in Wireless Communications (Thesis Submitted)**
 - National Institute of technology, Warangal in 2026
- **M. Tech in Advanced Communication Systems**
 - National Institute of technology, Warangal in 2018.
- **B.Tech in Electronics and communication Engineering**
 - Lakireddy Bali Reddy College of Engineering, Mylavaram in 2015.

Area of Interest:

- Network Analysis
- Signals and Systems
- Probability Theory and Stochastic Process
- Digital Signal Processing
- Analog and Digital Communications

- **Mobile Networks and Wireless Communications**
- **Analog and Digital Circuits**
- **Electromagnetic Fields and Waves**
- **Control Systems**
- **Networks and Transmission Lines**

Experience:

- **2017–2018 Teaching Assistant, NIT Warangal**

Supervised undergraduate laboratories:

- **Basic Electronics Lab**
- **Electronic Design Automation (EDA) Lab'**

- **2022–2026, April Teaching Assistant, NIT Warangal**

Supervised UG and PG laboratories:

- **Advanced Wireless Communication Lab**
- **Linear Integrated Circuit Applications (LICA) Lab**
- **Signals and Systems Lab**
- **EDC Lab**
- **Communication Systems Lab**

Research Profile:

➤ Publications

| Journals (SCI) | Conferences | Books / Chapters | Patents (Published) | Projects / Grants Received |
|-------------------|-------------|------------------|------------------------|-------------------------------|
| 3 | 11 | - | - | - |

➤ Publications Verification Links

| S. No. | Profile | Link |
|--------|----------------|---|
| 1. | Google Scholar | https://scholar.google.com/citations?user=6AytmqoAAAAJ&hl=en |
| 2. | Scopus | https://www.scopus.com/authid/detail.uri?authorId=57217278847 |
| 4. | ORCID | https://orcid.org/my-orcid?orcid=0009-0000-2504-6177 |

International Journals

1. Bandi Narasimha Rao and Anuradha Sundru, "A Novel Noise Variance and SNR Estimator for OFDM-IM System over Nakagami-m Fading Channel", Wireless Personal Communications, 138(1), 575–602, 2024. (SCI, Springer)
2. Bandi Narasimha Rao and Anuradha Sundru, "A Robust Noise Power and SNR Estimator for MCIKM OFDM Systems over Generalised α - μ Fading Channel", AEUE, 2025. (SCI, Elsevier)
3. Bandi Narasimha Rao and Anuradha Sundru, "A Spectral and Energy Efficient Noise Power and SNR Estimator for DMH OFDM-IM Systems", Canadian Journal of Electrical and Computer Engineering, 2025. (SCI,IEEE)

International Conferences

1. "A MIMO Dual Mode Homogeneous OFDM-IM System for Next-Generation Communications," MDCWC, Springer, 2023.
2. "Smart Traffic Management System using IoT," ISES, IEEE, 2022.
3. "Two-Dimensional Mapping for Robotics and Drones," ICCCNT, IEEE, 2022.
4. "Smart Irrigation based on crops using IoT," ICIIS, IEEE, 2020.
5. "Noise Power Estimation for OFDM Systems," ICCCNT, IIT Kharagpur, IEEE, 2020.
6. "Energy Monitoring using IoT," ICICT, IIT Kharagpur, IEEE, 2020.
7. "Surveillance Camera using IoT and Raspberry Pi," ICIRCA, IEEE, 2020.
8. "Movable Surveillance Camera using IoT and Raspberry Pi," ICCCNT, IIT Kharagpur, IEEE, 2020.
9. "Flood Prediction System using IoT and LoRa," IBSSC, IEEE, 2020.
10. "IoT-based Water Quality Monitoring System," R10-HTC, IEEE, 2021.
11. "Mongoose OS Prototyped ESP8266 Based Weather Forecaster," ICMACC, IEEE, 2021.

Sd/-
(Mr. Bandi Narasimah Rao)