



Josna O, B.Tech, M.Tech

Designation: Assistant Professor

Experience: Teaching – 9 years

Specialization: Artificial Intelligence, Machine Learning

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Journal Publications

1. Published paper in International Journal of Trends In Multidiciplinary Research on the topic “Wireless Surveillance Robot with Live Video Streaming”, Volume 5, Issue 1, Nov 2025, **ISSN: 2583-0368**.
2. Published paper in International Journal of Computer Science and Technology on the topic “A Sensitive Design of Dam Water Level Monitoring and Emergency Alert Handling System using IOT”, Volume 4, Issue 5, Sep 2025, **ISSN: 2583-5300**.
3. Published paper in Journal of Emerging Technologies and Innovative Research on the topic “RICE DISEASE RECOGNITION USING VGG16 AND TRANSFER LEARNING BASED ON DEEP LEARNING TECHNIQUES”, Volume 11, Issue 6, Jun 2024, **ISSN: 2349-5162**.
4. Published paper in Journal of Emerging Technologies and Innovative Research on the topic “Exploring Robust Wireless Data Transfer in IoT with ESP32 Microcontrollers and ESP-NOW Protocol”, Volume 11, Issue 6, Jun 2024, **ISSN: 2349-5162**.
5. Published paper in Journal of Emerging Technologies and Innovative Research on the topic “Enhancing Road Safety through Automated Enforcement Systems Using CNN”,

Book Publications

1. Published a book chapter entitled “Transforming Agriculture Through Machine Learning” Chapter 9 in IGI Global 2025. DOI: 10.4018/408690.ch009 EID: 2-s2.0-85218945929 ISBN: 9798369372258 9798369372272.

Conference Publications

Presented paper on in national Conference “Effectiveness of IoT in Various Applications and Essentiality of Big Data Analytics” on 25th and 26th November 2024 at Vignan’s Institute of Management and Technology for Women, Hyderabad.

Patents

1. Published a **Patent** in Intellectual Property India “AI based Handwritren Character Recognition System Using Deeo Learning Algorithms”, November 2025. <http://ipindia.nic.in/index.html>
2. Published a **Patent** in Intellectual Property India “A Quantum-Classical Optimization System with Quantum Annealing and AIML Integration for Combinatorial Problem Solving”, November 2025. <http://ipindia.nic.in/index.html>
3. Published a **Patent** in Intellectual Property India “Enhancing ATM Security and Convenience with NFC and Fingerprint Authentication”, December 2023. <http://ipindia.nic.in/index.html>
4. Published a **Patent** in Intellectual Property India “Developing a Protocol for Link Failure Recovery and Reliable Data Delivery”, May 2022. <http://ipindia.nic.in/index.html>

Extra Co-curricular Activities:

- Attended **NPTEL Online Certification Course** for “NBA Accreditation and Teaching-Learning in Engineering (NATE)” and successfully completed the course from Jan – Apr 2024. (12 Weeks)
- Participated in a **5-day Faculty Development Program** on “Effective Curriculum Design and Evaluation Process for Autonomy” from 15th May to 19th May 2024 conducted by the Internal Quality Assessment Cell at Rajarajeswari College of Engineering, Bangalore.
- Participated in a **one-week Faculty Development Program** on “Microsoft Power BI Data Analyst Associate” conducted by ICT Academy from 03 Jun 2024 to 07 Jun 2024 at Rajarajeswari College of Engineering, Bangalore.
- Participated in a **5-day Faculty Development Program** on “Competency Based Engineering Education” organized by RAMCO Institute of Technology, Chennai from 10th Feb 2025 to 15th Feb 2025.
- Participated in a **1-day Faculty Development Program** on “RareXplain:Explaonable AI for Rare Event Detection in High-Dimensional Data” organized by Vinayaka Mission’s Kirupananda Variyar Engineering College in aacociateion with Pencilbitz, on 20th Aug 2025.
- Participated in the “Research Methodology and Publication Ethics” Workshop held from 26th Feb 2026 to 28th Feb 2026 organized by Research & Innovation wing, Mohan Babu University, Andhra Pradesh.
- Participated in the One Day National Level Faculty Development Program on “Indian Knowledge Systems and Universal Human values” on 9th Mar 2026, organized by Shadan Women’s College of Engineering & Technology, Hyderabad, Telangana.
- Participated in one week online **Faculty Development Program** on “ AI for Sustainable Development” from 4th May 2026 to 8th May 2026, organized by VIT, Pune.
- Participated in National Level Faculty Development Program on “Cloud Enabled Deep Learning with Enhanced Security Protocols” jointly organized by Dept. Of Computer Science & Engineering & Cyber Security , RGM CET from 23rd June 2025 to 27th June 2025.