

## Faculty Profile



**Name:** Ms. THOTAPALLI NEHA

**Designation:** Assistant Professor

**Teaching Areas:** Computer Networks, Network Security, Compiler Design, Image Processing, Computer Vision and Pattern Recognition

**Research Interests:** Image Processing and Machine Learning

### Education:

- PhD (Pursuing), JNTU Hyderabad
- M.Tech, CMRIT, Medchal, Hyderabad, 2012
- B.Tech, BRECW, Santosh Nagar, Hyderabad, 2010

### Research / Selected Publications:

1. “Deep convolutional MRI approach for early detection of Alzheimer’s disease” paper published in AIP Conference Proceedings, 2025. <https://doi.org/10.1063/5.0298368>
2. “A Review on: A Lightweight DCCN System for Real-Time Surveillance that Detects Abandoned Objects” 2025 3rd International Conference on Communication, Security, and Artificial Intelligence (ICCSAI), Greater Noida, India, 2025, pp. 1586-1591, doi: 10.1109/ICCSAI64074.2025.11064698.
3. “Abandoned Object Detection in Crowded Areas using Deep Learning”, paper published in Grenze International Journal of Engineering and Technology, June 2025 Issue.
4. “A Review on Intelligent Exam Monitoring System Using Deep Learning” paper published in International Conference on Communications and Cyber Physical Engineering, 28-29<sup>th</sup> Feb, 2024 in Springer.
5. “Disaster Response Using Drones” paper published in Nanotechnology Perceptions, December 2024 20(7) DOI: 10.62441/nano-ntp. v20i7.4275.
6. Patent published on System and Method for Voice-Based Food Ingredient Allergy Detection with Application number 202541120896.
7. Patent published on System and Method for Intelligent Proctoring for Enhanced Exam Security. With an Application number 202541120098.