

Faculty Profile



Dr. Naresh V., Ph.D
Assistant Professor – ECE

HIGHLIGHTS:

- Number of Journal Publications: 7
- H-Index: 4
- Number of Book Chapters: 1
- Project Funding Received: 0
- Patents Published: 0
- Patents Granted: 0

PROFESSIONAL LINKS:

- Scopus ID: 58647843400
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=58647843400>
- Google Scholar: <https://scholar.google.com/citations?user=QEeC0KkAAAAJ&hl=en>
- Anna University Faculty ID: 320594
- AICTE Faculty ID: 1-7447710946
- LinkedIn: <https://www.linkedin.com/in/dr-naresh-vedhamuru-29655b132/>

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 2 years 8 months
- Industrial Experience: 0

AREA OF SPECIALIZATION:

- Image Processing
- Deep Learning
- Image Classification and Super-Resolution
- Supervised Learning

JOURNAL PUBLICATIONS:

1. (2026) Multi-scale Attention Residual Convolution Neural Network for Single Image Super Resolution (MSARCNN). *Digital Signal Processing*.

2. (2025) Optimized and Deep Cross Dense Skip Connected Network for SISR (DCDSCN). *SN Computer Science*.
3. (2024) Empirical Analysis of Squeeze and Excitation-Based Densely Connected CNN for Chili Leaf Disease Identification. *IEEE Transactions on Artificial Intelligence*.
4. (2024) Features of Pyramid Dilation Rate with Residual Connected Convolution Neural Network for Pest Classification. *Signal, Image and Video Processing*.
5. (2024) Lightweight Deep and Cross Residual Skip Connection Separable CNN for Plant Leaf Diseases Classification. *Journal of Electronic Imaging*.
6. (2023) Optimized Residual Parallel Separable Convolution Layers for Pest Classification. *SN Computer Science*.
7. (2022) An Efficient Densely Connected Convolutional Neural Network for Identification of Plant Diseases. *Multimedia Tools and Applications*.

BOOK CHAPTERS:

1. (2023) Parallel Dense Skip-Connected CNN Approach for Brain Tumor Classification. *Current Applications of Deep Learning in Cancer Diagnostics*, pp. 85–94. DOI: 10.1201/9781003277002-7.