

Faculty Profile



Mrs. SUGUNA DEVI. R, M.E., (Ph. D)
Assistant Professor (OG), ECE

HIGHLIGHTS:

- Number of Journal Publications: 18
- H-Index: 4
- Project Funding Received: -Nil
- Patents Published: 08
- Patents Granted: -Nil

PROFESSIONAL LINKS:

- Scopus ID: 59510738800
- Scopus Link : <https://www.scopus.com/authid/detail.uri?authorId=59510738800&origin=recordpage>
- Google Scholar ID: <https://scholar.google.com/citations?hl=en&user=PS5vWDYAAAAJ>
- Anna University Faculty ID: 3101255
- AICTE Faculty ID: 1-7383793666
- Anna University Supervisor ID: Nil
- LinkedIn: www.linkedin.com/in/suguna-devi-2aa4421b0

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 18 Years
- Industrial Experience: Nil

AREA OF SPECIALIZATION:

- Digital image processing
- Deep Learning
- Computer Vision
- Internet of Things

Ph.Ds AWARDED WITH DETAILS:

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time

Ph.Ds GUIDING:

- **Full Time Scholars: Nil**
- **Part Time Scholars : Nil**

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

Nil

PATENTS PUBLISHED/GRANTED:

- Two patents published in the academic year 2024-2025
- Five patents published in the academic year 2025-2026

COURSES CERTIFIED:

- NPTEL online course – Deep learning
- NPTEL online course- Python for Data Science
- NPTEL online course-Data Science
- NPTEL online course-Natural Language Processing
- NPTEL online course-Computer vision
- NPTEL online course-Machine Learning
- NPTEL online course-Accreditation and Outcome based learning

ACHIEVEMENTS AND AWARDS:

- NPTEL- **Domain Scholar in Data Science**
- NPTEL -Motivated Learner

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

1. Presented a technical paper titled “Fusion Based Multi Objective Multithresholding for Underwater Animal Segmentation using Bio inspired Search Algorithm” in the 2nd International Conference on Innovations in Science and Humanities(ICISH-2024) organized by department of Science and Humanities, Saveetha Engineering College, Chennai held during 18th and 19th July 2024.

2. Presented a technical paper titled, ”Comprehensive Examination of Autism Neural Disorder Detection: Deep Learning Model” at the 4th International Conference on Sustainable Expert Systems(ICES 2024) on 15-17 October 2024,organised by Pokhara University,Nepal.

3. Presented a technical paper titled, ” Optimizing Fish Classification with a Hybrid SAE-SVM model :Performance and Evaluation on Fish-gres and Fish4-Knowledge Datasetsl” in the IEEE ICRASET 2024 conference on 21-22 November 2024 at BGS Institute of Technology, B G Nagara, Mandya – 571418.

4. Presented a technical paper titled, ” Attention-COVIDNet: An Enhanced COVID-19 Classification Framework using Attention Mechanism” in the 2024 IEEE International Conference of Electron Devices Society Kolkata Chapter (EDKCON), 30th Nov -1st Dec 2024, Kolkata, India.

5. Presented a technical paper titled, ” Effective Webshell Detection in IoT Networks employing TF-IDF, Word2Vec and SVM” in the 2024 IEEE International Conference of Electron Devices Society Kolkata Chapter (EDKCON), 30th Nov -1st Dec 2024, Kolkata, India.

6. Presented a technical paper titled, ” A Hybrid Approach for Skin Disease Detection Using GrabCut Segmentation and Inception-v3 Network”, in the 2024 IEEE International Conference on Cybernation and Computation (CYBERCOM), 15-16 November 2024, Dehradun, India.

7. Presented a technical paper titled, ” Automatic Plant Leaf Disease Detection Using AlexNet and Image Processing Techniques”, in the 2024 IEEE International Conference on Cybernation and Computation (CYBERCOM), 15-16 November 2024, Dehradun, India.

PROFESSIONAL MEMBERSHIPS:

OTHER DETAILS (If any):