

Faculty Profile



Jenisha C , M.E., (Ph.D)

Assistant Professor – ECE

HIGHLIGHTS:

- Total Paper Publications: 16
 - Scopus-Indexed Papers: 13
 - Published Papers: 03
- h-index: 2
- Patents Published: 1

PROFESSIONAL LINKS:

- Scopus ID: 59156934700
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=59156934700>
- ORCID ID: 0000-0003-4581-0130
- ORCID Link: <https://orcid.org/0000-0003-4581-0130>
- Google Scholar ID: 1MHgRd4AAAAJ
- Anna University Faculty ID: 2615461993
- AICTE Faculty ID: 1-4141540780
- LinkedIn: www.linkedin.com/in/jenisha-c-82894479

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 4 Years
- Industrial Experience: NIL

AREA OF SPECIALIZATION:

- Image Processing

PATENTS PUBLISHED/GRANTED:

- **Title:** Deep Learning Based Haze Removal for Autonomous Vehicles Perception
Filed: April 4, 2024 | **Published:** April 12, 2024

ACHIEVEMENTS AND AWARDS:

- Anna University **27th Rank Holder** in **B.E.** and awarded a **Gold Medal** by **Panimalar Engineering College**.

- **Second place, Intra-Department** paper presentation (2014).
- **Second place, Project Display - ELETRUS'13** National Level Technical Symposium (2013).
- **Nithya Fernandez Memorial Rolling Trophy** for highest marks in **Mathematics** (HSC).

PUBLICATIONS:

Scopus-Indexed Papers: 13

- **Jenisha, C & Sheeba Joice, C 2025**, 'Vision Unveiling Through End-to-End Barur-Net Approach', IETE Journal of Research, vol. 71, no. 6, pp. 1951-1971. **Impact Factor: 1.5**. <https://doi.org/10.1080/03772063.2025.2479761> (SCI).
- Sheeba Joice, C, **Jenisha, C**, Ashwanth Jonathan, A, & Prasath, M, **2026**, 'Smart Glass for Visually Challenged People', In: 6th International Conference on Trends in Material Science and Inventive Materials (ICTMIM), Kanyakumari, India, pp. 694-699, <https://doi.org/10.1109/ICTMIM68190.2026.11507423>
- Sheeba Joice, C, **Jenisha, C**, Aruna Devi, KV, & Kalirajan, S, **2026**, 'Sentinel-2 Time Series Flood Mapping: Exploration of Flood Extent in the Caprivi Flood Plain', In: Proceedings of the Second Congress on Control, Robotics, and Mechatronics. CRM 2025. Smart Innovation, Systems, and Technologies. Vol. 447, pp. 267-280, Springer, Singapore. https://doi.org/10.1007/978-981-96-7545-6_20
- Sheeba Joice, C, **Jenisha, C**, & Hitha Shanthini, S, **2026**, 'Advancements in Wastewater Treatment and Reuse: A Critical Overview', In: Proceedings of the Second Congress on Control, Robotics, and Mechatronics. CRM 2025. Smart Innovation, Systems, and Technologies. Vol. 447, pp. 177-188, Springer, Singapore. https://doi.org/10.1007/978-981-96-7545-6_13
- Sheeba Joice, C, Hitha Shanthini, S, & **Jenisha, C**, **2026**, 'Advancements, Challenges, and Recent Trends in Facial Expression Recognition Systems: A Comprehensive Review', In: Proceedings of the Computer Vision and Robotics. CVR 2025. Lecture Notes in Networks and Systems, vol. 1644, pp. 377-388, Springer, Cham. https://doi.org/10.1007/978-3-032-06253-6_30
- Sheeba Joice, C, Hitha Shanthini, S, **Jenisha, C**, Harsha, K, & Gopika, S, **2025**, 'Reversible Logic-Based Cryptography for Medical Imaging: A Performance Comparison', In: Proceedings of the International Conference on AI and Robotics. AIR 2025. Lecture Notes in Networks and Systems, vol. 1629, pp. 122-130, Springer, Cham. https://doi.org/10.1007/978-3-032-05548-4_10
- Sheeba Joice, C, Hitha Shanthini, S, & **Jenisha, C**, **2025**, 'Smart IoT-Driven Wireless System for Automated Water Overflow Control', In: Advances in Data-Driven Computing and Intelligent Systems. ADCIS 2024. Lecture Notes in Networks and Systems, vol 1377. Pp. 505-516, Springer, Singapore. https://doi.org/10.1007/978-981-96-5370-6_37
- Sheeba Joice, C, **Jenisha, C**, & Hitha Shanthini, S, **2025**, 'Enhancing Sustainable Wastewater Management: A Comparative Analysis of IoT-Driven Systems', In: Sustainable Computing and Intelligent Systems. SCIS 2024. Lecture Notes in Networks and Systems, vol 1295. Pp. 81-92, Springer, Singapore. https://doi.org/10.1007/978-981-96-3311-1_7

- Sheeba Joice, C, **Jenisha, C**, Hitha Shanthini, Desika, R, & Kirthana, D, **2025**, ‘Design and Evaluation of a 6T SRAM Cell using 90nm Technology in Vivado Xilinx IC Design’, 4th International Conference on Sentiment Analysis and Deep Learning (ICSADL), Bhimdatta, Nepal, pp. 01-05. <https://doi.org/10.1109/ICSADL65848.2025.10933331>
- Sheeba Joice, C, **Jenisha, C**, Aruna Devi, KV, & Kalirajan, S, **2024**, ‘Recent Innovation of Deep Learning Approches in Satellite Imagery: A Comprehensive Review’, International Conference on Sustainable Communication Networks and Application (ICSCNA), Theni, India, pp. 1213-1220. <https://ieeexplore.ieee.org/document/10863905>
- Sheeba Joice, C, **Jenisha, C**, Hitha Shanthini, Desika, R, & Kirthana, D, **2024**, ‘A Comprehensive Review of Various SRAM Using Power Gating Technique’ 5th International Conference on Data Intelligence and Cognitive Informatics (ICDICI), Tirunelveli, India, pp. 356-361. <https://ieeexplore.ieee.org/document/10810787>
- Sheeba Joice, C, **Jenisha, C**, Gurunathan, S, & Aravindh, M, **2024**, ‘IoT-Enabled RO Wastewater Management for Sustainable Development’, International Conference on Advances in Data Engineering and Intelligent Computing Systems (ADICS), Chennai, India, pp. 1-6. <https://doi.org/10.1109/ADICS58448.2024.10533633>
- **Jenisha, C** & Sheeba Joice, C, **2024**, ‘Unveiling Clarity: A Survey on Haze Removal Techniques Using Deep Learning Approaches’, In: Communication and Intelligent Systems, ICCIS 2023, Lecture Notes in Networks and Systems, vol 969. Springer, Singapore. https://doi.org/10.1007/978-981-97-2082-8_6

Published Papers: 3

- Sheeba Joice, C, Hitha Shanthini, S, **Jenisha, C**, & Rodney, JD, **2025**, ‘Evaluating learning outcomes by comparing conventional and activity-based learning methods in control system engineering’, In Pedagogical Revelations and Emerging Trends, pp. 62-65, CRC Press.
- Sheeba, Joice, C, **Jenisha, C**, Hitha Shanthini, S, & Vedhapriyavadhana, R, **2025**, ‘Comparative analysis of facial expression recognition system for age, gender, and emotions’, In Pedagogical Revelations and Emerging Trends, pp. 253-256, CRC Press.
- **Jenisha, C** & Sheeba Joice, C, **2022**, ‘Analysis of Recent Trends in Single Image Dehazing Techniques’, In: Artificial Intelligence and Communication Technologies, SCRS, India, 2022, pp. 107-126. <https://doi.org/10.52458/978-81-955020-5-9-11>

PEER REVIEW ACTIVITY:

- Peer Reviewer in Journal of Geocarto International (2026) - Reviewed one manuscript.
- Peer Reviewer in Journal, Multimedia Tools and Applications (2025) - Reviewed three manuscripts.

PAPER PRESENTATIONS:

- Presented “Smart Glass for Visually Challenged people” in the 6th International Conference on Trends in Material Science and Inventive Materials (ICTMIM-2026) organized by Rohini College of Engineering and Technology, Kanyakumari, India,

during 8-10 April 2026 via online mode.

- Presented “Autonomous Multi-Robot Surveillance in Poor Visibility Using Thermal and Multispectral Imaging” in the International Conference on Signal Processing and Artificial Intelligence (ICSPA 2026) during 27-28th March 2026 via online mode.
- Presented “BarurGAN for Real-World Image and Video Dehazing” in the 7th World Conference on Artificial Intelligence: Advances and Applications (WCAIAA 2026) organized by National Forensic Sciences University, Goa Campus, India, during 30-31st January 2026 via online mode.
- Presented “Design and Evaluation of a 6T SRAM cell using 90nm Technology in Vivado Xilinx IC Design” in the 4th International Conference on Sentiment Analysis and Deep Learning (ICSADL 2025) hosted by Far Western University in Bhimdatta, Nepal, during 18-20th February 2025 via online mode.
- Presented “A Comprehensive Review of Various SRAM using Power Gating Technique”, in the 5th International Conference on Data Intelligence and Cognitive Informatics ICDICI 2024 organised by SCAD College of Engineering and Technology, Cheranmahadevi, Tamilnadu, held during 18-20th November 2024 via online mode.
- Presented “Smart IoT-Driven Wireless System for Automated Water Overflow Control”, in the 3rd International Conference on Advances in Data-Driven Computing and Intelligent Systems (ADCIS 2024) organized by BITS Pillani, K K Birla, Goa Campus, India, held during 20-21st September 2024 via online mode.
- Presented “Evaluating Learning Outcomes by Comparing Conventional and Activity-Based Learning Methods in Control System Engineering” in the International Conference on Educating the Post Millennial’s (ICEM–24), held at Saveetha Engineering College, Chennai, on 17th May 2024.
- Presented “IoT-Enabled RO Wastewater Management for Sustainable Development” in the IEEE International Conference on the Advances in Data Engineering and Intelligent Computing Systems, ADICS-2024, at Hindustan Institute of Technology & Science, Chennai, India, held on 18th April 2024.
- Presented “Unveiling Clarity: A Survey on Haze Removal Techniques using Deep Learning Approaches” in the 5th International Conference on Communication and Intelligent Systems (ICCIS 2023) organized by Malaviya National Institute of Technology, Jaipur, India held during 16-17th December 2023 via online mode.
- Presented “Advancements in Wastewater Treatment and Reuse – A Critical Review” in the International Conference on Intelligent Computing, Advanced Communication and Materials (IC²ACM – 23) conducted by RMK College of Engineering and Technology, Chennai, held during December 21-23, 2023.
- Presented “Analysis of Recent Trends in Single Image Dehazing Techniques” in the International Conference on Data Science and Applications (ICDSA 2022) held during 26-27th March 2022 in India via online mode.
- Presented “A Survey on Various Soft Computing Based Segmentation and Analysis of Human Spine” in the “International Conference on Smart Structures and Systems (ICSSS 2017)” on 28th March 2018 at Saveetha Engineering College, Chennai, India.
- Presented “Soft Computing Approach to Segment Abnormal Regions from Medical Images” in the “Third IEEE International Conference on Science Technology

Engineering Management – ICONSTEM'17" on 23rd March 2017 at Jeppiaar Engineering College, Chennai, India.

- Presented "Detection of Breast Cancer Using Neural Network" in the National Conference on Advancements in Embedded Systems, Control & Industrial Instrumentation (AESCI) on 23rd March 2015 at R.M.K. Engineering College, Chennai, India.
- Presented "An Innovative Approach Cell Phone-The Life Saver" on 29th January 2014 at Panimalar Engineering College, Chennai, India.

FDP / WORKSHOP ATTENDED:

- A one-week FDP on "Industrial Electronics in Current Era" from 08/12/25 to 12/12/25 at Saveetha Engineering College.
- A Professional Development Programme on "Predictive Analysis" from 22/7/24 to 26/7/24 via online mode.
- A National Workshop on Artificial Intelligence for Societal Applications "Space Exploration, Agriculture and Healthcare" from 18/10/23 to 20/10/23 via online mode.
- A two-day Faculty Development Training Program about "Research Methodology-Tools and Techniques in Engineering" at Saveetha Engineering College on 26th & 27th Nov 2018.
- A two-day Faculty development program about "Industrial Automation Using LabVIEW" at Saveetha Engineering College on 21st & 22nd June 2018.
- A three-day workshop on "IUCEE International Educator Pre-Certification Workshop" from 3rd to 5th May 2018 at Saveetha Engineering College.
- A one-week DST SERB-sponsored National Seminar on "Control Strategy Prediction between Conventional and Intelligent Controller" from 18th to 24th April 2018 at Saveetha Engineering College.
- A Faculty Development Programme (FDP101x) on "Foundation Program in ICT for Education" conducted by Indian Institute of Technology Bombay from 8th March 2018 to 12th April 2018.
- A one-day workshop about "How To Do A Good Ph.D." at MIT – Campus, Anna University on 3rd March 2018.
- A one-day Faculty development program about "Skill Development in Research, Projects And Patent Filing" at Saveetha Engineering College on 17th Feb 2018.