

Faculty	Mrs. Vetricani R Assistant Professor, Department of CSE (Artificial Intelligence & Machine Learning) East Point College of Engineering & Technology
	Profile* Prof. Vetricani R did her B.E in Electrical and Electronics Engineering under Anna University, Chennai in 2006 with 85%. She did her M.E in VLSI Design from Anna University, Coimbatore in 2010 with 9.23 (CGPA). She is pursuing Ph.D under Visvesvaraya Technological University, Belagavi and has published 2 books, 3 patents and 12 research papers in various International and National journals and Conferences. Her area of interest includes Electric Vehicle, Control Systems, Machine Learning. She has an experience of more than 16 years. A dedicated and a passionate teacher committed to improve the performance of the students.
	Publications Books • Name of the book: Introduction to Microgrid Structure and Design Publisher: String Production Year of Publication: April 2025. • Name of the book: Electromagnetic Fields Keysight's and Concepts Publisher: Scientific International Publishing House Year of Publication: 2023 Journals • “Designing Intelligent, Data Driven Motor Control Strategies for Electric Vehicles Using Advanced Deep Learning Architectures”, <i>International Journal of Environmental Sciences</i>, ISSN: 2229-7359, Volume 11, No.21, 2025. DOI: https://doi.org/10.64252/59jx9r57. • “Integrating Zigbee Technology in V2V Systems for Next Generation Road Safety”, <i>International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)</i>, Volume 5, Issue 10, pp. 172-177, June 2025. DOI: 10.48175/IJARSCT-28831. • “Selection of suitable filter parameters for denoising breast thermograms using anisotropic diffusion filter”, <i>International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET)</i>, Issue 10, Volume 10, July-August (2023), pp. 100 – 107, August 2023. • “Numerical Simulation of Characteristics of NWMOSFET”, in <i>International Journal of Applied Engineering Research (IJAER)</i>, special issues- vol 10(9), 2015 Conferences • “Optimizing Regenerative Braking Systems in Electric Vehicles: A Comprehensive Analysis of Control Algorithms for Enhanced Energy Recovery and Efficiency”, 2nd <i>International Conference on Smart Technologies, Communication and Robotics (ICSCR 2024)</i>, Bangalore, 27th and 28th June 2024.

- "Selection of suitable filter parameters for denoising breast thermograms using anisotropic diffusion filter", 1st International Conference on Smart Technologies, Communication and Robotics (ICSCR 2023), 2023.
- "A Review On Machine Learning Techniques For Predicting Seizures Using EEG Signals", NGIEC-2022. 2022.
- "Movable Road Dividers", NGIEC 2021, 2021.
- "Automatic Star Delta Starter using Relays and Adjustable Electronic Timer", 3rd National Conference on Recent Advancements in Electrical and Electronics Technology (RAEET -2018), 2018.
- "Diagnosis of Epilepsy – A Systematic Review", 2017 IEEE sponsored 3rd International Conference on Bio signals, Images and Instrumentation (ICBSII 2017), 2017.
- "A Two-Dimensional Numerical Modeling of Nanowire MOSFET for Nanoscale Devices", 2nd National Conference on Signal Processing, Communications and VLSI Design (NCSCV'10), 2010.

Achievements / Awards / Recognitions

- Received fund of Rs. 10,00,000 for CRC project under the title, "Next-Generation Hybrid Vehicles: Digital Twin Development of Biomethane Powered Solid Oxide Fuel Cell (SOFCs) Systems", as a Co-PI, in August 2024.
- "AICTE-QIP PG Certificate Programme in Machine Learning", at IISc between 1st July 2024 to 24th December 2024.
- Best Paper Award for the paper titled "Selection of suitable filter parameters for denoising breast thermograms using anisotropic diffusion filter", 1st International Conference on Smart Technologies, Communication and Robotics (ICSCR 2023), 2023.

Workshops / FDPs / Seminars

Participated in various workshops / FDPs

- Five Days FDP on "AI Agents", by ExcelR Edtech Pvt. Ltd., from 12th May 2025 to 16th May 2025.
- Live Workshop on "Generative AI Tools", by Skill Nation on 5th May 2025.
- IEEE Education Week 2025 Workshop on "Smart Technologies for Sustainable Energy Systems", by IEEE Uttar Pradesh Section, from 6th April 2025 to 11th April 2025.
- 40 Hours FDP on "Artificial Intelligence for Computer Vision and Medical Image Processing", by NIT Warangal, from 25th January 2025 to 5th February 2025.
- Six Days FDP on "Next-Gen Educators: Harnessing the Power of Machine Learning", by Jeppiaar Institute of Technology, Kunnamm from 25th September to 1st October 2024.
- Six Days FDP on "Analog and Digital IC Design Flow using Cadence EDA Tools", by East Point College of Engineering and Technology, Bangalore from 31st August to 6th September 2024.
- Five Days Online FDP on "Applications of AI/ML in Power Systems & Electric Vehicles", by Kishkinda University from 5th August to 9th August 2024.

- Six Days FDP on “Internet of Things (IoT) & Its Applications”, by East Point College of Engineering and Technology, Bangalore from 12th to 17th February 2024.
- Five Days Faculty Development Programme on “Building Advanced Data Analytics Applications with Cloud”, under Next Gen Employability Program, during 4th to 8th December 2023.
- 20 Hrs National Faculty Development Program on “Data Analytics with Excel – Basics to Advanced”, by Dayananda Sagar College of Engineering in Collaboration with ExcelR Edtech Pvt Ltd, during 20th November to 1st December 2023.
- 1 Week Faculty Development Program on “Machine Learning”, by NSMS Institute of Pharmacy in association with Pantech E Learning, from 20th to 25th November 2023.
- One day IEEE Conference Organizers Education Workshop (COEW-2022) on 10th April, 2022.
- A Five-Day Online Faculty Development Programme on “Recent Advances in Electrical Engineering”, GATES Institute of Technology, during 21st to 25th March 2022.
- Five-day international online Faculty Development Program on “Advancement in Communication Engineering Technologies with Simulation Tools”, at Vishnu Institute of Technology during 1st July 2020 to 5th July 2020.
- Two weeks online Faculty Development Programme on “Python”, at JSS Mahavidyapeetha, Noida from 22nd June to 4th July 2020.
- Five days Faculty Development Programme on “Digital Electronics and Microprocessor”, at PSN College of Engineering and Technology, from 26th to 30th June 2020.
- Faculty Development Programme on “Engineering Technologies in Recent Scenario”, at Dhanalakshmi Srinivasan Engineering College, Perambalur from 06.06.2020 to 08.06.2020.
- One Week National Level Online Faculty Development Programme on “Recent Advances in Electrical Engineering (RAEE-2020), at Vemu Institute of Technology during 03-06-2020 to 07-06-2020.
- A One-week workshop on “Advances in Power Systems and Protection”, at M.S. Ramaiah Institute of Technology, Bangalore, during 19th to 23rd July, 2016.
- A Two days International Workshop and IEEE EDS Mini – Colloquia on “The Past and Future of Integrated Circuits Technologies”, at S. K. P. Engineering College, Tiruvannamalai, during 4th and 5th November, 2009.
- A One-day workshop on “Implementation of Embedded System Using FPGA”, at Muthayammal Engineering College, Rasipuram on 15th February 2008.
- A One-day seminar and Exhibition on “Current Trends in VLSI Design”, at Karpagam College of Engineering, Coimbatore on 8th December 2007.
- A Three-days “Orientation Programme on Teaching Methodology (OPTeM’ 06)”, at Muthayammal Engineering College, Rasipuram during 5th to 7th July 2006.