

Faculty Profile:Mr.**ARUNKUMAR VELUSAMY**

Faculty	Mr. Arunkumar Velusamy Assistant Professor– Computer Science & Engineering EastPointCollegeofEngineering&Technology
	Mr.ARUNKUMAR VELUSAMY Assistant Professor Ph.D. Scholar — ML & IoT Researcher & Educator East Point College of Engineering & Technology Email id arunkumarvelusamy03@gmail.com Phone +91 7010577354 Vidwan-ID : 355190 Address: 4/19Molakalipalayam,Kaduvettipalayam(post),Karumathampatti(via), coimbatore-641659,TAMILNADU.
	Mr. Arunkumar Velusamy received his Bachelor of Engineering degree in Computer Science and Engineering from Park College of Engineering and Technology, Coimbatore, affiliated with Anna University, India, in 2010. He completed his M.E. with a specialization in Computer Science and Engineering from Sasurie College of Engineering, Vijayamangalam, also affiliated with Anna University, India, in 2013. He is currently pursuing his Ph.D. in Computer Science and Engineering from Anna University, Chennai. His research interests include Deep Learning and Machine Learning. He has worked in various reputed colleges in the city and has over 11.5 years of teaching experience. He has organized several international conferences in India, published 10 journal papers, and authored one book chapter. Additionally, he has consistently been involved in academic development activities that enhance both his teaching and research profile.
	Publications. • Forecasting Flight Delays Using Error Computation Using Machine Learned Classifiers , Parishodh Journal, Volume XI, Year 2022, Pages pp 158-166. • Web Based Graphical Password Authentication System, Journal of critical review, Volume Vol 10, Year 2023, Pages pp 26-29. • Machine Learning Model for Pneumonia Detection from Chest X-Rays, Journal of Cardio vascular disease research, Volume Vol 14, Year 2023, Pages pp 271-282. • Carrier App- Crowd shipping With Security Enhancement Using Image Processing Techniques In Machine Learning, Gradiva Review Journal, Volume 9, Year 2023, Pages 143-148.

- SCCNet: Skin Cancer Detection and Multi-Class Classification Using Deep CNN Model with Estimated Disease Probabilities, SPRINGER NATURE, **Volume 5, Year 2024** DOI : 10.1007/s42979-024-03072-0
- Random Forest-based Intelligent Banking Chatbot, Journal of Inter disciplinary Cycle Research, Volume Volume XVI, Year 2024, Pages 228-234.
- Enhancing Twitter Data Analysis: A Comprehensive ML-Based Preprocessing Approach For Improved Sentiment Analysis And Brand Monitoring, Science, Technology and Development, Year 2024.
- ML-Driven Waste Classification for Effective Organic and Non-Organic Waste Management, Journal of Inter disciplinary Cycle Research, Year 2024.
- Individualized Emotional Feedback To Alleviate Student Frustration In Intelligent Tutoring System, Science, Technology and Development, Year 2024.
- Application for Quantum Secure Email Client, IRACST – International Journal of Computer Networks and Wireless Communications (IJCNCW), Volume Vol.14, Year 2024.
- Book Chapter 15,Sustainable Digital Transformation Through Energy-Efficient Edge And Fog Computing, Scopus indexed, DOI: 10.4018/979-8-3373-0766-4.ch015 Pages-373-380.

Workshops, FDPs & Seminars

- National level two-day workshop on ‘Social Network Mining and Sentiment Analysis’,January 4-5, 2013 at GR School of Applied Computer Technology, Coimbatore.
- Workshops on ‘Building Enterprise Cloud’,Jan 9th 2013 at Sasurie College of Engineering, Vijayamangalam One Day National Level Workshop on Hands on Training in Multimedia Tools,23 March 2013, at SVS College of Engineering
- Air taxi webinar of illuminating week,22 may 2020 at EWB Gurugram.
- Faculty Development Programme in Entrepreneurship,December 08-20, 2014, park college of engineering and technology
- Future data Analytics: A machine learning algorithm formulation and implementation of COVID'19 pandemic Problem,SEPTEMBER 14 &15,2020 at tamilnadu college of engineering
- International conference on technical advancements in computer science engineering,August 4th ,5th 2023 at Malla Reddy Engineering college for women.

	● Optimized Multi view point Similarity Measure based Clustering,International Conference on Innovations in Communication Information And Computing (ICICIC’13),January 9,10,11 2013 at Sasurie College of Engineering. ● Multi view point similarity measure clustering for hierarchical clustering algorithms ,National Conference,March 7&8, 2013 at Surya College of Engineering. ● Optimizing Multi view point Similarity Measure Based Clustering using EM Algorithm I,International Conference ,March 8&9, 2013 at JKKN College of engineering. ● Vehicle Detection and Tracking Based on Image Processing Techniques,International Conference for Technical Advancements in Computer Science and Engineering (ICTACSE), Year 2023,Malla Reddy Engineering College for Women, Secunderabad. ● Impacts and Visibility of TechnologiesinArtificialIntelligence of Things (AIoT),International Conference on Technical Advancements in Computer Science and Engineering(ICTACSE-2024),Malla Reddy Engineering College for Women, Secunderabad,25.10.2024
	Achievements/Awards/Recognitions ● NCC ‘C’ certificate holder (Air wing). ● In Scout got Rashtrapati award. ● Got first (Winner) position in the Anna University of technology Inter- Zonal Sports Tournaments participated in BALL BADMINTON. ● Got first (Winner) position in the Anna University of technology Inter- Zonal Sports Tournaments participatedin TENNIS.