Faculty Profile	**Mrs. Triveni N** **Assistant Professor – Information Science & Engineering** **East Point College of Engineering & Technology**
	Mrs. Triveni N is an experienced academician and researcher specializing in **Internet of Things (IoT), Artificial Intelligence, and Data Analytics**. She is currently pursuing her **Ph.D. in IoT and AI** and possesses strong teaching and research expertise in **Advanced Java & J2EE, Python, Big Data Analytics, Deep Learning, Software Testing, Web Programming, and IoT, AIML**. She follows **outcome-based and application-oriented teaching methodologies**, consistently achieving excellent academic results while mentoring students in innovative projects, research initiatives, and national-level competitions such as the **Smart India Hackathon**. She actively contributes to **curriculum development**, **NAAC and NBA accreditation activities**, and institutional quality assurance processes.
	Publications • *Improving Health Information Security in Mobile Cloud Computing with Blockchain and Modular Encryption Techniques*, **International Journal of Science and Research (IJSR)**, 2024. • *Smart Water Grids: An IoT-Driven Approach to Enhance Water Management Efficiency*, **High Technology Letters**, 2024. • *A Comprehensive Exploration of Security and Privacy Hurdles in Safeguarding IoT*, **Proceedings of the Annual International Conference on Multidisciplinary Research (ICMR)**, 2024. • *Chauffeur Behavior Recognition Using Face Recognition and Deep Learning*, **Book Chapter in Futuristic Trends in Artificial Intelligence**, 2024. • *Optimizing Routing Protocols for IoT Networks with Mobile Devices*, **International Journal of Advanced Research in Science, Communication and Technology**, 2023. • *Automated IoT-Based Irrigation System for Farmlands and Crop Protection Using Arduino*, **High Technology Letters**, 2023. • *IoT-Based Air Pollution Monitoring and Data Analytics Using Machine Learning*, **International Journal of Science and Research**, 2023. • *Survey on Secure Access Control Using AI and IoT for Smart Homes*, **High Technology Letters**, 2023. • *Literature Survey on Early Detection of Breast Cancer Using IoT and Supervised Learning Techniques*, **Gradiva Review Journal**, 2021. • *Cloud Interoperability Between Private Clouds*, **International Conference on Convergent Innovative Technologies**, 2014. **Conference Publications** • *A Comprehensive Exploration of Security and Privacy Hurdles in Safeguarding IoT*, **Annual International Conference on Multidisciplinary Research (ICMR)**, 2024. • *Automated IoT-Based Irrigation System for Farmlands and Crop Protection Using Arduino*, **National Conference on Emerging Trends in Engineering, Technology, and Management**, April 26–27, 2023.

	• *Caption-Based Image Retrieval*, **National Conference on Emerging Trends in Engineering, Technology, and Management**, April 26–27, 2023. • *Bird Species Sound Recognition: A Deep Learning Approach*, **National Conference on Emerging Trends in Engineering, Technology, and Management**, April 26–27, 2023. • *IoT-Based Air Pollution Monitoring and Data Analytics Using Machine Learning Approach*, **International Conference on Nano Composites for Aerospace Applications**, 2022. • *Intelligent IoT-Based System for Smart Water Management and Distribution*, **International Conference on Nano Composites for Aerospace Applications**, 2022. **Patent** • **Title:** *A System and Method for Automated Detection and Classification of Ocular Diseases Using Deep Learning Algorithms ,* **Patent Number:** 202541037837, **Patent Office Journal:** 20/2025 (Dated 16/05/2025)
	Achievements / Awards / Recognitions • Nelson Mandela Inspire Award 2025 • Young Emerging Faculty Award – Pride of Education 2024 • Uttama Adyapika Award 2024