Faculty	**Ms. Nayana S** **Assistant Professor – Information Science & Engineering** **East Point College of Engineering & Technology**
	Ms. Nayana S is an academician with an M.Tech in Artificial Intelligence and Data Science. She specializes in Machine Learning, Deep Learning, Data Mining, NLP, Predictive Analytics, and Big Data Technologies, with strong expertise in Python programming, SQL, data visualization tools, and AI-driven solution development. She has a solid foundation in statistics, model optimization, and algorithmic problem-solving. As a passionate educator, she focuses on helping students build strong conceptual clarity in Data Structures, AI/ML, Database Systems, and Software Development fundamentals. Her teaching methodology integrates theoretical concepts with practical applications, ensuring students gain hands-on experience through labs, real-time datasets, mini-projects, and technical demonstrations. She actively fosters a research-oriented learning environment, motivating students to explore innovative solutions in AI and data-driven technologies. In addition to academia, Ms. Nayana has worked on multiple AI research and development projects, including OCR-based automation, traffic sign detection using deep learning, and AI-driven predictive analytics. Her interests include human trafficking prevention systems using AI, Flask-based chat-bots, and explainable AI. She aims to bridge the gap between classroom learning and real-world applications by guiding students on industry-relevant tools, model development pipelines, and responsible AI practices. She contributes to curriculum development, technical workshops, coding activities, and mentoring students in AI/ML projects, encouraging innovation and critical thinking. With a strong commitment to academic excellence, research, and student development, Ms. Nayana strives to prepare future-ready professionals in AI, data science, and information technology.
	Publications. • Prioritizing Inventory Management: Analytic Network Process for Multi-Criteria Decision Making, addresses ANP is used to identify and rank the most important factors in inventory management when multiple interconnected criteria influence the decision. • Predictive Maintainence System for Industrial Machinery addresses the system uses sensor data and machine learning to forecast machinery failures before they occur.
	Achievements / Awards / Recognition's
	• Participated in Excel using AI Hackathon • Participated in Power BI Hackathon • Data Visualization Internship • AI/ML Internship • Developed a chatbot system **Certification Courses** • Google Colab • Tensorflow-Python • Fundamentals of Generative AI

	- Reinforcement Learning - Modern Web Design Using HTML CSS JavaScript for Beginners