

Sri Sairam Institute of Technology
(An Autonomous Institution, Affiliated to Anna University, Chennai)

Department of Information Technology
IEEE Madras section sponsored Five Day Faculty Development Programme on
“Generative AI, Large Language Models (LLMs), and Transformers”

Proposed Programme Schedule

Date: 15/12/2025 - 19/12/2025

Day / Time	09:30 AM – 11:00 AM		11:15 AM – 12:45 PM		2:00 PM – 03:30 PM
Day-1 15.12.2025	Session – 1 Inaugural Session Evolution from traditional AI to Generative AI Dr S. Brindha Treasurer-IEEE Madras Section Professor/ECE/Sri Sairam Engineering College	B R E A K	Session – 2 Types of generative models: GANs, VAEs, Diffusion Models, and Transformers Dr.R.Manjula Devi Head/IQAC/Professor/CSE, KPR Institute of Engineering and Technology	L U N C H	Session – 3 Case studies: ChatGPT, DALL·E, Gemini, and Copilot Dr B. Sreedevi Professor & Head/CSE/Sri Sairam Institute of Technology
Day-2 16.12.2025	Session – 3 The Attention Mechanism and Self-Attention Explained Encoder–Decoder architecture and positional encoding Dr.M.Chitra Associate Professor/ECE/ Rajalakshmi Institute of Technology, Chennai.		Session – 3 Key models: BERT, GPT, T5, and Vision Transformers Comparative analysis of CNNs vs. Transformers Mrs.Juno Bella Gracia Associate Professor, Department of IT Sri Sairam Engineering College Chennai		Session – 6 Exploring Transformers:The Engine behind Generative AI and LLMs. Mr.S.Premanand Associate Professor,VIT,Chennai
Day-3 17.12.2025	Session – 7 Anatomy of LLMs: Tokens, Embeddings, and Context Windows Pre-training, fine-tuning, and in-context learning Dr.D.Doreen Robin Director, Computational Intelligence Research Foundation, CIRF, Chennai.		Session – 8 Few-shot and zero-shot learning paradigms Overview of open-source models: LLaMA, Falcon, Mistral, and BLOOM Dr.D.Doreen Robin Director, Computational Intelligence Research Foundation, CIRF, Chennai.		Session – 9 Hands-on session on Decoding the Transformer Core Mr.Arjun Anapalli CEO,Head- Strategies at The CorporateWorms Chennai
Day-4 18.12.2025	Session – 10 Prompt Engineering: Techniques and optimization Fine-tuning for domain-specific tasks (education, healthcare, finance) Dr.V.Brindha Devi CIS Advisor Professor & Head/IT/ Sri Sairam Institute of Technology, Chennai.		Session – 11 Hands-on session Mr.Balaji Kamalakkannan Chief Technology Officer,HERE AND NOW AI Artificial Intelligence Research Institute,Chennai		Session – 12 Hands-on session Mr.Ruthran Raghavan CEO & Chief AI Scientist ,HERE AND NOW AI Artificial Intelligence Research Institute ,Chennai
Day-5 19.12.2025	Session – 13 Multimodal Generative AI (text-image-video-audio integration) Small Language Models (SLMs) and Edge AI Dr A.Senthilselvi Professor/CSE/ SRMIST, Ramapuram.		Session – 14 Dr.K.Palanikumar Professor & Principal IEEE Madras Section Excomm member CHAIR -IEEE SIGHT Madras Section Sri Sairam institute of Technology , Chennai.		Session – 15 Hands-on session on Architectures, Mechanisms & Tool-Driven Flows Mr.Arjun Anapalli CEO,Head- Strategies at The CorporateWorms Chennai Validictory Session