

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	<p>Session – 1 Inaugural Session Evolution from traditional AI to Generative AI Dr S. Brindha Treasurer-IEEE Madras Section Professor/ECE/Sri Sairam Engineering College</p>	<p>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</p>	<p>Session – 3 Case studies: ChatGPT, DALL-E, Gemini, and Copilot Dr B. Sreedevi Professor & Head/CSE/Sri Sairam Institute of Technology</p>
Day-2 16.12.2025	<p>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.</p>	<p>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</p>	<p>Session – 6 Exploring Transformers:The Engine behind Generative AI and LLMs. Mr.S.Premamand Associate Professor,VIT,Chennai</p>
Day-3 17.12.2025	<p>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.</p>	<p>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.</p>	<p>Session – 9 Hands-on session on Decoding the Transformer Core Mr.Arjun Anapalli CEO,Head- Strategies at The CorporateWorms Chennai</p>
Day-4 18.12.2025	<p>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.</p>	<p>Session – 11 Hands-on session Mr.Balaji Kamalakkannan Chief Technology Officer,HERE AND NOW AI Artificial Intelligence Research Institute,Chennai</p>	<p>Session – 12 Hands-on session Mr.Ruthran Raghavan CEO & Chief AI Scientist ,HERE AND NOW AI Artificial Intelligence Research Institute ,Chennai</p>
Day-5 19.12.2025	<p>Session – 13 Multimodal Generative AI (text-image-video-audio integration) Small Language Models (SLMs) and Edge AI Dr A.Senthilselvi Professor/CSE/ SRMIST, Ramapuram.</p>	<p>Session – 14 Dr.K.Palanikumar Professor & Principal IEEE Madras Section Excomm member CHAIR -IEEE SIGHT Madras Section Sri Sairam institute of Technology , Chennai.</p>	<p>Session – 15 Hands-on session on Architectures, Mechanisms & Tool-Driven Flows Mr.Arjun Anapalli CEO,Head- Strategies at The CorporateWorms Chennai Validictory Session</p>