

**DEPARTMENT OF INFORMATION TECHNOLOGY (IT)**  
**Organizes****IEEE Madras Section Sponsored Five Day Faculty Development Program  
on**  
**GENERATIVE AI, LARGE LANGUAGE MODELS (LLMS), AND  
TRANSFORMERS****15.12.2025 - 19.12.2025****SAI RAM INSTITUTE OF TECHNOLOGY**

An Autonomous Institution | Affiliated to Anna University & Approved by AICTE, New Delhi  
Accredited by NBA and NAAC "A+" | IS/ISO 21001 : 2018 (EOMS) Certified by BIS and NIRF ranked institution  
Sai Leo Nagar, West Tambaram, Chennai - 600 044. [www.sairam.edu.in](http://www.sairam.edu.in)



## **About the Institution**

Sri Sai Ram Institute of Technology, Chennai, is a premier autonomous institution affiliated to Anna University. The institution is renowned for its commitment to quality education, research, and innovation. The college fosters academic excellence through a blend of modern infrastructure, experienced faculty, and strong industry collaborations, preparing students to meet global technological challenges.

## **About the Department**

The Department of Information Technology focuses on producing industry-ready graduates equipped with cutting-edge technical knowledge and ethical values. The department is accredited by the National Board of Accreditation. Well-experienced and dynamic faculty impart knowledge and skills to inculcate the professional responsibilities to play leadership roles along their diverse career paths and develop capability to utilize innovative and creative engineering skills in industry. The dedication of our faculty and the keen interest exhibited by our students has produced a commendable academic record with university ranks every year. The department inculcates R & D acumen among the faculty and students. They are encouraged to implement their innovative ideas for the benefit of the society. The department received over one crore funding from organizations such as AICTE, DST, CSIR IGCAR, and DRDO for research projects and to organize technical events.

## **Vision**

To emerge as a Centre of Excellence in the field of Information Technology and to mould our students to become technically and ethically strong to meet global challenges. The students, in turn, contribute to the advancement and welfare of society.

## **Mission**

The Department of Information Technology, Sri Sai Ram Institute of Technology, is committed to:

**M1:** To provide strong foundational knowledge and state-of-the-art technological skills through industry-aligned curriculum, modern infrastructure, and effective pedagogy.

**M2:** To foster research, innovation, and interdisciplinary learning in emerging domains such as Artificial Intelligence, Data Science, Cybersecurity, and Cloud Computing.

**M3:** To encourage collaborative learning through professional bodies, industry partnerships, and real-time project-based experiences.

**M4:** To instill professional ethics, social responsibility, and leadership qualities to shape competent IT professionals for global challenges.

## **Program Overview**

This Faculty Development Programme is designed to provide an in-depth understanding of Generative Artificial Intelligence, Large Language Models, and Transformer architectures. The FDP includes technical lectures, hands-on sessions, implementation workflows, and expert interactions, enabling participants to integrate modern AI techniques into teaching, research, and real-time applications.

## **Objectives**

- To introduce foundational concepts of Generative AI.
- To provide clarity on Transformer architecture and LLM design.
- To impart hands-on exposure using HuggingFace, LangChain, and OpenAI.
- To explore LLM fine-tuning, inference optimization & deployment.
- To highlight ethical AI practices, XAI, and research directions.

## **Topics to be Covered**

- Fundamentals of Generative AI
- Transformer models & attention mechanism
- GPT, BERT, T5, Vision Transformers
- LLM workflows: pre-training, fine-tuning, instruction tuning
- Prompt engineering methods & case studies
- Building AI agents and workflow orchestration
- Deployment using cloud & APIs
- XAI, safety, ethics, hallucination management
- Research frontiers in multimodal AI and SLMs

## **Target Audience**

- Faculty members, Industry professionals, Research scholars, PG students, and enthusiasts aiming to enhance their knowledge in Generative AI, Large Language Models (LLMs), and Transformer-based technologies.
- Individuals interested in Artificial Intelligence, Machine Learning, Natural Language Processing, and modern advancements in AI-driven applications.

## **Program Outcomes**

- Understand Generative AI & Transformer fundamentals
- Implement & fine-tune LLMs for academic/research applications
- Gain hands-on experience using AI frameworks
- Learn to deploy scalable AI systems
- Explore research and interdisciplinary applications

# HONOURABLE SPEAKERS

## Dr.R.Manjula Devi

Head/IQAC/Professor/CSE,  
KPR Institute of Engineering and Technology,  
Coimbatore.

## Dr.D.Doreen Robin

Founder and Director,  
Computational Intelligence Research Foundation,  
Chennai.

## Dr.M.Chitra

Associate Professor, ECE  
Rajalakshmi Institute of Technology,  
Chennai.

## Dr.A.Senthilselvi

Professor, CSE  
SRM Institute of Science and Technology,  
Ramapuram Campus, Chennai.

## Dr.S.Brindha

Treasurer IEEE Madras Section,  
Professor / ECE,  
Sri Sairam Engineering College,  
Chennai.

## Mrs. Juno Bella Gracia

Associate Professor,  
Sri Sairam Engineering College,  
Chennai.

## Dr.K.Palani Kumar

Professor & Principal  
Sri Sairam Institute of Technology , Chennai.  
CHAIR - IEEE SIGHT MADRAS SECTION

## Mr. S.Premanand

Associate Professor,  
Vellore Institute of Technology,  
Chennai.

## Mr. Arjun Anapalli

CEO, Head- Strategiest,  
The Corporate Worms, Chennai

## Mr.Balaji K

## Mr.Ruthran Raghavan

Chief Technology Officer, HERE AND NOW AI  
Artificial Intelligence Research Institute, Chennai

## Dr.V.Brindha Devi

Professor & Head / IT,  
Sri Sairam Institute of Technology,  
Chennai.

## Dr.B.Sreedevi

Professor & Head / CSE,  
Sri Sairam Institute of Technology,  
Chennai.

## BENEFICIARY BANK DETAILS

**Bank Name:** CITY UNION BANK

**Account Holder Name :**

SIT IEEE STUDENT CHAPTER

**Account Number:** 500101013008138

**Branch Name:** POONTHANDALAM

**BRANCH IFSC Code:** CIUB0000634

### Registration Details

**Mode:** Offline

**Registration Fee:**

- IEEE Members: ₹500
- Non-IEEE Members: ₹1000

(₹500 refundable upon IEEE membership enrollment)

**Last Date for Registration:** 14.12.2025

**Registration QR Code**



Registration Link:

<https://tinyurl.com/IEEE-FDP-GENAI-REGISTRATION>



## ADVISORY COMMITTEE



**Chair**  
**Dr P. SAKTHIVEL**  
IEEE Madras Section



**Secretary**  
**Dr S. RADHA**  
IEEE Madras Section



**Treasurer**  
**Dr S.BRINDHA**  
IEEE Madras Section



**Chair- Education Activities**  
**Dr S.ARUMUGAPERUMAL**  
IEEE Madras Section

## ORGANISING COMMITTEE



**Chief Patron**  
**Dr. Sai Prakash Leo Muthu**  
Chairman & CEO,  
Sairam Institutions



**Patron**  
**Dr K. Palanikumar**  
Professor and Principal, SIT, Chennai.  
CHAIR-IEEE SIGHT MADRAS SECTION



**Convener**  
**Dr. V. Brindha Devi**  
Professor & Head / IT / SIT  
CIS ADVISOR



**Co - Convener**



**Dr. R. Prabavathi Associate Professor /  
IT  
Sri Sairam Institute of Technology**

**Co-ordinators**



**Dr. S. Susila Sakthy  
Associate Professor / IT  
Sri Sairam Engineering College**



**Mr. J. Jeya Ganesan  
Assistant Professor / AIDS  
Sri Sairam Institute of Technology**



**Ms. R. Jegatha  
Assistant Professor / IT  
Sri Sairam Institute of Technology**

