

## REGISTRATIONS

The STTP will be conducted offline. This program is open to KLS GIT faculty and students. The participants need to register for the program using the link given below. Certificates will be given only to the registered participants.

**Registration link:**

<https://forms.gle/HgHaGcSmemRK46tM7>

or scan the QR for registration



## CHIEF PATRONS

**Shri. Anant Mandagi**

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**Shri. Pramod Khatavi**

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## PRINCIPAL

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## CONVENOR

**Dr. Kiran K. Tangod**

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## PROGRAM COORDINATORS

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**Mr. Shrivatsa D. Perur**

Assistant Professor, Dept. of ISE  
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**One week Short Term Training  
Program on**

**“Generative AI  
&  
Large Language Models”**

**Date: 25th -29th November 2024  
(Offline Mode)**

**Organised by:**  
Department of  
Information Science and Engineering,  
KLS Gogte Institute of Technology,  
Jnanaganga, Udyambag, Belagavi  
visit us @ [www.git.edu](http://www.git.edu)

in association with



## ABOUT KLS GOGTE INSTITUTE OF TECHNOLOGY

KLS's Gogte Institute of Technology, the flagship Institute of Karnatak Law Society was established in 1979. KLS GIT offers 9 under-graduate and 6 post-graduate programmes. As a part National Education Policy (NEP) initiative VTU has selected KLS GIT to offer B.Sc. (Hons) program from 2021-22 academic year. Ten departments have been recognized as Research Centers to offer Ph.D. programmes. KLS GIT has the honour of providing quality engineering education for over 4500 students by around 250 highly qualified faculty members. KLS GIT has been a hub of many activities of excellence and achievements. Known for its academic credentials coupled with holistic development, Excellent infrastructure comprising excellent facilities like Flexible Manufacturing System (FMS), 3-D Printing, CAD/CAM, AI & ML, Python, Data Science & Cyber Security, Structural & Transportation Engineering, Digital Signal Processing, Network Analysis, VLSI, High Voltage Engineering, Power Systems, Aerodynamics, Aircraft propulsion and Advanced Flight Simulation and Nano Science.

## ABOUT DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Information Science and Engineering is well established Department since the year 2000-2001 by the KLS Gogte Institute of Technology Belagavi with an intake of 120 students. The students under the guidance of well qualified and research oriented faculty fraternity benefited with in-depth knowledge and expertise in the domain of data analysis, cloud computing, AIML, algorithms, cognitive neuroscience, IoT and so on.

## BACKGROUND OF THE STTP

The STTP on Generative AI and Large Language Models (LLM) is designed to provide an in-depth understanding of one of the most revolutionary areas in Artificial Intelligence. This training program aims to equip participants with both theoretical knowledge and hands-on experience in cutting-edge AI techniques used in text generation, creative content synthesis, natural language understanding, and much more. This STTP is ideal for academicians, researchers, industry professionals, and students eager to dive into the dynamic world of generative models and leverage their potential across various domains.

## OBJECTIVES

- To understand the core concepts of Generative AI and LLMs.
- To develop Practical Skills in Prompt Engineering and Chatbot Development.
- To explore advanced AI Techniques and Tools.
- To understand fine-tuning LLMs for Custom Applications.

## OUTCOMES

- Gain foundational knowledge of Generative AI concepts, including key terminologies like LLMs, prompt engineering etc.
- Develop ppractical Skills in AI Development and Prompt Engineering.
- Enhance their ability to apply AI tools in real-world scenarios.
- Understand how to fine-tune open-source LLMs to build specialized applications.

## TOPICS TO BE COVERED IN STTP

- Generative AI
- Key Terminologies
- Gen AI use cases across industries
- Building custom Gen AI chatbot
- Ethical Considerations and Future Trends
- Prompt Engineering
- Five Principles of Prompting
- Standard Text Model Practices
- Advanced Text Model Techniques
- LangChain
- AI Text Model Projects
- Customizing Embeddings and Model Architectures
- Case Study - Building a Recommendation system
- Fine-tuning open-source LLMs

## RESOURCE PERSON



**Dr. Shreekanth Jere**

I&F Decision Science Practitioner Asso.  
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## ADDRESS FOR CORRESPONDENCE

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