K.S. INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

REPORT ON

Two Days Hands on Workshop on Exploring Gen AI and Agentic AI

Semester	**VII Semester AI&ML**
Event Type	**Hands On Workshop**
Event Name	**Two Days Hands on Workshop on "Exploring Gen AI and Agentic Workflows"**
Date/Duration	**12/09/2025 & 13/09/2025**
Associated Professional Bodies	**Dr.Pramod Sunagar** **Dr.Shreekanth Jere**
No. of Students	**68**
Venue	**AI&ML Seminar Hall**
Online link/Offline	**Offline**

Introduction

The Artificial Intelligence & Machine Learning (AI & ML) Department at KSIT, Bengaluru, hosted a highly successful 2-day hand son workshop on **"**Exploring Gen AI and Agentic Workflows" on 12th & 13th September 2025, the workshop was tailored to meet the growing industry demand for data-driven insights and was attended by a diverse group of 7th semester engineering students eager to expand their technical expertise in the field of AI&ML

The workshop was conducted by **Dr.Pramod Sunagar and Dr.Srikanth Jere** professionals renowned for his engaging and unique teaching methods. His interactive style of instruction not only captured the participants' attention but also ensured that complex concepts were simplified and easily understood.

Workshop Objectives

The primary aim of the workshop was to familiarize students with, enabling them to:

1.Understanding the fundamentals of Generative AI (Gen AI).

2.Exploring Agentic Workflows for automating complex, multi-step tasks.

3.Gaining hands-on experience with leading Gen AI and agent tools.

4.Identifying high-impact use cases across industries.

5.Designing and prototyping basic agentic solutions using LLMs.

Workshop Content and Flow

The workshop was structured into comprehensive modules that allowed students to learn progressively, ensuring clarity and hands-on experience at every step.

Day 1: Resource Person: Dr Pramod Sunagar

Prompt Engineering, Building Generative AI Projects

Participants learned the latest research, techniques, tools, and applications of prompt engineering

Participants learned:

- Introduction to Gen AI.
- Prompt Engineering
- Building end to end projects with LLM's and Streamlit
- Clinical Chatboat to extract users' data
- Retrieving data through NLP query

Day 2: Resource Person: Dr Shreekanth Jere

Building Chatboats

Participants learned:

- Agentic AI
- Key components of Agentic AI
- Tool Calling Agents and bridging LLM's and tools
- Building Multi- Agent Chatboat with Gemini and Streamlit
- Building Multi- Agent Chatboat with Gemini and Gradio

Workshop Highlights:

Engaging Instructional Style:

Dr Pramod Sunagar and Dr Shreekanth Jere brought their wealth of experience and expertise into the classroom, adopting a hands-on, interactive teaching approach. His ability to demystify complex concepts and maintain an engaging atmosphere was lauded by the participants.

Focus on Practical Learning:

- The workshop was heavily focused on practical applications, with students spending a significant portion of their time a hands-on, in-depth exploration of next-generation chatbot development powered by Agentic AI
- Personalized guidance and support ensured that every participant could apply the concepts effectively.

Student Feedback and Takeaways:

The workshop received overwhelmingly positive feedback from the participants, who appreciated the relevance and depth of the content. Students highlighted that the skills they acquired would significantly aid their academic projects and career aspirations in AI and ML

Outcomes and Benefits:

1. Skill Enhancement
    - Students developed proficiency in prompt engineering, which encourages generative AI systems to create specific, high-quality outputs. gaining a competitive edge in their academic and professional journeys.

2. Hands-On Experience
    - The practical exercises provided a thorough understanding of how to use Agentic AI to tackle real-world data problems.

3. Industry Readiness
    - The workshop equipped students with industry-relevant skills, enables large language models (LLMs) to operate with autonomy, reasoning capabilities, and tool-using behaviour
4. Collaborative Learning
    - The interactive nature of the workshop fostered peer learning and teamwork.

Conclusion:

The 2-day workshop at KSIT, Bengaluru "Exploring Gen AI and Agentic Workflows" was a resounding success, thanks to the meticulous planning and exceptional delivery by both resource persons Their unique approach to teaching made the sessions enjoyable, engaging, and highly impactful.

Through this workshop, KSIT reaffirmed its commitment to empowering its students with cutting-edge technical skills and preparing them for the data-driven future. Such initiatives not only enrich the students' academic journey but also position them as competent professionals ready to tackle the challenges of the modern workplace.

Glimpse of the Event

This workshop serves as a stepping stone towards future collaborative efforts to bridge the gap between academic learning and industry requirements.

PEO/PO/PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
PEO1	2	-	2	-	2	2	-	-	2	1	2	2	2	2
PEO2	2	-	2	-	2	2	-	-	2	1	2	2	1	1
PEO3	2	-	2	-	2	2	-	-	2	2	2	2	1	1

Event Coordinator
Dr.Sahana Salagare

HOD AI&ML
Dr.Suresh M B

Principal
Dr.Dilip Kumar K