



VIT[®]

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

One-day Online workshop on Generative AI in Practice: Feature Extraction & RAG-Powered Conversational Agents

17th April 2026

Organized by

School of Computer Science and
Engineering (SCOPE)

Vellore Institute of Technology

Vellore - 632 014



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Head - Database Systems, SCOPE

Coordinators:

Dr. Divya Meena. S, Associate
Professor, Department of Software
Systems, SCOPE

Dr. Mehfooza. M, Associate Professor
Department of Database Systems, SCOPE

Contents of the Programme

- Foundations of Generative AI (LLMs, Embeddings, Vector Databases)
- Prompt engineering, Retrieval-Augmented Generation (RAG), and end-to-end system development.
- Design, Prototype, and deploy Scalable, domain-specific LLM solutions.
- Advanced RAG Techniques & Evaluation (Hybrid Search, Citation Generation).
- Deployment & Real-World Use Cases

Target Audience:

Faculty members, Research Scholars, UG and PG students

Registration:

The participants are requested to register for the workshop through the following link

<https://events.vit.ac.in/>

Registration fee (Including GST):

- **Faculty Members** : **Rs. 350/-**
- **Research Scholars** : **Rs. 300/-**
- **UG/PG Students** : **Rs. 250/-**

Last date for registration: 16.04.2026

About VIT

VIT was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students. The global standards set at VIT in the field of teaching and research encourages us on in our relentless pursuit of excellence. Our Memoranda of Understanding with various international universities are our major strength.

About SCOPE

The school has one of the best infrastructure including domain-specific labs associated with the technical departments. The main aim is to produce computing graduates with potential, to design and develop systems involving the integration of software and hardware devices, employ innovative approaches in programming and problem solving, and create Large Scale Software Systems. With an objective of developing core competence in the subject matter specializations and special interest groups for learning newer technologies.

Departments

The School has formed the following technical departments:

- Department of Analytics
- Department of Computational Intelligence
- Department of Database Systems
- Department of Software Systems
- Department of Information Security
- Department of IoT
- Department of Quantum AI

About Workshop

This one-day online workshop offers hands-on training in two practical Generative AI projects. Participants will learn Intelligent Feature Extraction using LLMs to automatically extract structured data from unstructured text and documents. They will also build a RAG Chatbot that combines semantic search with generative responses for accurate, context-aware answers. The workshop covers LLM foundations, embeddings, vector databases, prompt engineering, and deployment strategies.

By the end, attendees will have two working GenAI projects and practical skills to apply in research, teaching, or industry. No prior GenAI experience is required — just basic Python knowledge.

Speaker

Mr. Sourav Datta

Associate Vice President,

JP Morgan,

Bangalore.

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