



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

Faculty Development Programme
**Practical Foundation on
Agentic AI**

03rd -6th August 2026

Organized by

School of Computer Science and Engineering
(SCOPE)

Vellore Institute of Technology

Vellore – 632 014



Coordinators:

Naresh K., Associate Professor, VIT Vellore
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FDP Content

- Day 1: LLMs & Agentic AI
- Day 2: Model Context Protocol
- Day 3: Fine-Tuning & PEFT
- Day 4: Edge AI & Compression

Participants will gain:

Agentic systems: design tool-using,
knowledge-retrieving agents.

Model adaptation: fine-tune models cheaply
and effectively.

Reproducible pipelines: version-
controlled workflows for experiments.

Standardized integration: expose datasets /
services as MCP tools.

Efficient deployment: run compressed models
offline.

Target Audience:

Students, Faculty members, Research
Scholars, Industry Professionals

Registration:

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

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

Registration fee

(Including GST): Rs 590/-

Last date for registration: 01.08.2026

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 spur 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 infrastructures 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.

About Workshop

A four-day intensive workshop designed for computer science research scholars and faculty. Unlike typical AI training that stops at API usage, this program takes participants through the complete pipeline of building, adapting, and deploying AI systems with runnable code and free tools. On Day 1, participants explore large language models (LLMs) and agentic AI, learning how to design agents that reason, retrieve knowledge, and coordinate under human oversight. Day 2 introduces the Model Context Protocol (MCP), enabling safe and structured integration of external tools, databases, and APIs. Day 3 focuses on fine-tuning with parameter-efficient methods like LoRA/QLoRA, allowing specialization of models on domain-specific data at minimal cost. Finally, Day 4 covers edge AI and compression, teaching quantization and distillation techniques to deploy models offline on laptops, phones, or Raspberry Pi devices.

By the end, participants gain skills in agentic systems, reproducible pipelines, efficient deployment, and cost-independent AI research. The workshop emphasizes practical outcomes such as publishable contributions, and domain-specialized models for fields like healthcare, agriculture, and education. new research directions in low-resource and privacy-preserving AI.

Speakers

Dr. Sankaraiah Sreeramula, Ph.D.

Founder & CEO, Turilytix.AI, USA · Professor of Practice, SCOPE, VIT Vellore

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Participants are requested to register for the workshop through following web link

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