



# Department of Computer Science University of Kerala

[www.dcsku.org](http://www.dcsku.org)



9th Rank (State Public  
Universities), 2024



'A++' grade  
(CGPA 3.67, 2022)

## Five-day National Workshop on Chaining Generative Large Language Models in Agentic Reasoning

 9<sup>th</sup> to 13<sup>th</sup> February 2026

 07:00 PM – 09:00 PM

 Online

### ABOUT US

The Department of Computer Science, University of Kerala, established in 1985, is a leading center for learning and research. The Department offers a set of prestigious programmes in computer science -

- B.Sc Hons. Computer Science with Research
- M.Sc. Computer Science
- M.Sc. Computer Science (with specialization in Artificial Intelligence)
- M.Sc. Computer Science (with specialization in Machine Learning)
- M.Tech. Computer Science (with specialization in Digital Image Computing)
- Ph.D. in Computer Science

The curriculum blends strong theoretical foundations with practical applications in AI, Data Science and Software Engineering, always aligning with developments in Industry and Research.

### SESSION DETAILS

#### Day 1 : Generative LLMs and Prompting

- Foundations of Generative AI
- Prompting for Task execution

#### Day 2 : What Makes AI “Agentic”?

- Autonomy, Reasoning and Planning
- Agentic Workflows and Tool use

#### Day 3 : Deep Dive into Memory

- Memory Systems (Short-Term & Long-Term)
- RAG Pipelines with Knowledge Integration

#### Day 4 : Modern Protocols and Tool Integration

- Model Context Protocol, A2A Protocol
- API Calls, Function Calling

#### Day 5 : Multimodal Agents in Research

- Visual Language Models
- Safety Practices

**E-Certificates will be issued to active participants**

**Registration Fee:**

**PG/ UG Students– ₹ 350**

**Faculty/Research Scholars/Industry– ₹ 500**

**Register Here :**  
<https://bit.ly/4r3kdWc>



SCAN TO PAY

# PANEL OF EXPERTS



**Dr. Muhammed Anees V**

Director of AI  
TechByHeart



**Munia Balayil**

AI Tech Lead  
PixDynamics



**Alex V Ajith**

Associate AI Engineer  
R&D, Litmus7

## FROM PASSIVE TOOLS TO INTELLIGENT AUTONOMY

Artificial Intelligence has progressed rapidly with the introduction of Large Language Models (LLMs) that can understand questions, generate text, summarize documents, and assist in problem solving. Most traditional AI systems operate in a reactive manner, where they respond only when a user gives a prompt or instruction. Agentic frameworks are not limited to answering questions but can plan tasks, make decisions, retrieve information from external sources, and use digital tools to achieve a given goal. The programme will cover foundational aspects of generative LLMs, followed by Agentic design patterns, including planning mechanisms, memory and retrieval systems, tool integration, and multi-agent coordination. Special emphasis will be placed on Retrieval-Augmented Generation (RAG) as a means to improve factual grounding and reliability in LLM-based agents.

## OBJECTIVES

Provides conceptual and practical understanding of Generative LLMs, prompting strategies in building agentic systems.

Familiarizes participants with core agentic principles covering autonomy, reasoning, planning, memory, and tool use.

Enables hands-on knowledge of API integration, function calling, RAG pipelines, and modern agent communication protocols.

Promotes awareness of multimodal agent systems, safety practices, and emerging research directions in Agentic AI.

**Dr. Aji S**

Head of the Department

**Dr. D. Muhammad Noorul Mubarak**

Organizing Secretary

**Dr. Misaj Sharafudeen**

Convenor

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Organizing Committee Members :

Dr. Vinod Chandra S S, Dr. Philomina Simon, Dr. Aswathy A L, Dr. Vidhya M, Ms. Rhythu N Raj,  
Ms. Shyja Rafeek S, Ms. Krishna S S, Ms. Neethu M S, Ms. Hazeena A J, Ms. Mini R,  
Ms. Sreelekshmi S, Ms. Meenu M, Ms. Reshma S Chandran,  
Full Time Research Scholars of the Department

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