

Five-Days

**Online FDP on “Advances in LLMs:
From Deep Learning to Generative AI”
from 15-19, December 2025**

Target Participants:

Faculty members/ Research Scholars
of AICTE-recognized universities and
engineering colleges.

Mode of FDP: ONLINE

TIME : 7PM – 9PM

Registration Fee: ₹500

Registration Link:

<https://forms.gle/XturHMKjgYzeaAY36>



Note: Registration Deadline – 10th December 2025

Bank Details:

NAME: CODIAC CSE DEPARTMENT ASSOCIATION
Account No - 110229006779
IFSC - CNRB0007455
BANK: Canara Bank
Branch - Karakulam

**E-CERTIFICATES WILL BE
PROVIDED TO ALL PARTICIPANTS**



Chairperson

Dr. V Praseedalekshmi

Principal College of Engineering
Muttathara

Head of the Department

Dr. K S Angel Viji

Associate Professor in CSE

Programme Coordinators

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COLLEGE OF ENGINEERING MUTTATHARA

Under CAPE, Established by Government of
Kerala, Thiruvananthapuram - 695008
<https://cemuttathara.ac.in/>

FIVE-DAYS **ONLINE FDP On
Advances in LLMs:
From Deep Learning to
Generative AI**



15 – 19 DECEMBER 2025

**Organized by
Department of Computer Science
and Engineering**

PREFACE TO THE COURSE

The Faculty Development Programme on “Advances in LLMs: From Deep Learning to Generative AI” aims to equip faculty members, researchers and professionals with a strong conceptual and practical understanding of the evolution of Artificial Intelligence — from conventional Deep Learning models to cutting-edge Large Language Models (LLMs) and Generative AI systems. This FDP provides an immersive learning experience covering the foundations of AI, neural networks and deep learning, progressing to advanced transformer-based architectures such as BERT, GPT and T5. Participants will explore key aspects of Prompt Engineering, domain adaptation and model optimization through fine-tuning and compression techniques that make large-scale models efficient and customizable. The program also introduces participants to Agentic AI, emphasizing autonomous reasoning and multi-agent collaboration.

COURSE CONTENTS

- Introduction to LLM: From AI to GenAI through Deep Learning
- Transformer architectures: BERT, GPT and T5
- Prompt Engineering and Domain Adaptation through Prompt Design
- Pre training, Fine tuning and Model Compression Techniques
- Agentic AI and LLMs

ABOUT THE INSTITUTION

College of Engineering Muttathara was established in the year 2016 under the Co-operative Academy of Professional Education (CAPE - established in the year 2000), Govt. of Kerala. This college is the ninth college under CAPE and is one of the prominent colleges in the Trivandrum city with highly experienced faculty members. Our college offers five undergraduate programmes (ME, CE, ECE, EEE and CSE) under the APJ Abdul Kalam Technological University. The college has a distinctive academic stature in the arena of Engineering institutions in the state.

ABOUT THE DEPARTMENT

The Department of Computer Science & Engineering was established in the year 2016 offering four-year B.Tech programme in Computer Science & Engineering. The major strength of the department is highly qualified and experienced faculty with specialization in main areas of Computer Science. State-of-the-art facilities are available in the labs to train the students capable of meeting the requirements of present and future. The department is continuously striving to achieve excellence in Engineering education and research with service to the society.

RESOURCE PERSONS

- Introduction to LLM : From AI to GenAI through Deep Learning
- Prompt Engineering and Domain Adaptation through Prompt Design
- Agentic AI and LLMs



Dr. Shailesh S

Principal AI Architect at
LaennecAI

- Transformer Architectures : BERT, GPT and T5



Dr. Jeena K

Assistant Professor
Department of Computer
Science, Cochin University of
Science and Technology

- Pre training, Fine tuning and Model Compression Techniques



Dr. Judy M V

Professor and Head,
Department of Computer
Applications, Cochin University
of Science and Technology