



Quick Contact

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Date: December 10, 2025

Venue: SDMIMD, Mysuru

FDP On LLMs and GenAI – How it works?

Program Overview

This Faculty Development Program (FDP) is designed for those who are inquisitive about LLMs and GenAI. Generative Artificial Intelligence (GenAI) and Large Language Models (LLMs) such as ChatGPT, Gemini, and Claude represent one of the most transformative technological advancements of our time. These models are reshaping the way content is created, insights are generated, and human-machine interaction is changing and developing at very fast pace than one can imagine.

This Faculty Development Program aims to equip participants with very conceptual and functional understanding of how LLMs and GenAI systems operate from data processing to model deployment and to help faculty members integrate these technologies responsibly in teaching, research, and institutional projects.

Program Objectives

- 1.To develop a foundational understanding of Large Language Models (LLMs) and their underlying concepts.
- 2.To provide hands-on experience in text analytics techniques used in Natural Language Processing.
- 3.To equip participants with conceptual and architectural knowledge of Generative AI and the Transformer framework.
- 4.To introduce to building workflows using Agentic AI frameworks and tools.

Resource Persons

Dr. Anand Ellur is a faculty member in the area of Operations and Quantitative Techniques, with a passion for operations management concepts and machine learning algorithms. He teaches operations and analytics related courses. He possesses a flair for teaching machine learning concepts to those who are interested in the area of analytics, LLMs and GenAI.

Who can attend?

- 1.Faculty members from management, engineering, computer science, commerce, and social sciences
- 2.Doctoral research scholars exploring AI-enabled methods in their research
- 3.All those who are inquisitive about LLMs and GenAI

Note:

Participants must bring their own laptop. Laptop mandatory for this FDP.

Program Fee

Rs. 2000 per participant
Please Note: 25% group discount for 3 or more participants from the same organisation/institution.

Program Schedule

Time	Details
Schedule, December 10, 2025	
09.30 am – 09.45 am	Registration
09.45 am – 10.00 am	Inauguration Session
10.00 am – 11.15 am	Session 1 • Introduction to LLMs and GenAI • Overview of NLP 1.Morphology 2.Terminology used in NLP – Stemming, Lemmatisation, Lexicon, Tokenisation, Byte Pair Encoding, TF-IDF
11.15 am - 11.45 am	Photo Session / Tea Break / Networking
11.45 am – 01.00 pm	Session 2 – More Terms in NLP • POS Tagging • Bag-of-word Representation • Word Embedding – Word2Vec Statistical Language Model • Conditional Probability • Chain Rule of Probability • Markov Assumption • Unigram and Bigram Language Model
01.00 pm – 02.00 pm	Lunch Break
02.00 pm – 03.15 pm	Session 3 – Neural Network • Perceptron and Multi-Layer Perceptron • Back Propagation - Learning Rate, Number of Epochs. • Gradient Descent and Vanishing Gradients
03.15 pm – 03.30 pm	Tea Break / Networking
03.30 pm – 04.45 pm	Session 4 – RNN and Transformers • LSTM – Long Short-Term Memory • Attention Mechanism • Transformers • Introduction - Designing a workflow using Agentic AI
04.45 pm – 5.30 pm	Valedictory and Certificate Distribution