



Indian Institute of Science
Centre for Continuing Education
PROFICIENCE COURSES JANUARY–MAY 2026



Large Language Models: A Hands-on Approach

Course Coordinator **Yoginder Kumar Negi**,
Dept SERC IISc, Bangalore & Bhuthesh R, Senior Data Scientist, Molecule AI

Eligibility

B.E/B.Tech/ M.Sc. (Computer Science)/ MCA

Pre Requisites: Basics of NLP, Deep Learning, Python Programming

Course Objectives

This course provides hands-on engineering of Large Language Models (LLMs), focusing on the challenges of building, optimizing, and deploying them. Students will cover the entire lifecycle from: Transformer foundations, GPU scaling, Inference optimization, Fine-tuning Retrieval-augmented generation (RAG) Agentic tool use, Deployment on edge devices. Students will learn through real-world case studies, labs, and projects. By the end, students will be equipped to design production-grade LLM systems for both research and industry applications.

Course Fee per participant: INR 20000+18% GST

Application Fee per participant: INR 300 +18% GST

Course Schedule

Start Date 12 January, 2026

Tuesday and Thursday 7.00PM to 8.30 PM

Mode: Online

Contact us

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Scan here to apply



More Details <https://cce.iisc.ac.in/cce-proficiency/>

For more detail visit : <https://llm-engg.github.io/>