

FAQ

“Applied Machine Learning and Agentic AI: Fundamentals to Next Generation Artificial Intelligence” Course

Course website: <https://iitk.ac.in/oa/events/2025-26/next-generation-AI/>

1. What is this course about?

This course is a 50-day online programme running from 1st December 2026 to 19th January 2027, combining theory with hands-on practice. You will learn foundational AI and machine learning concepts, advanced topics such as Transformers and Large Language Models, and a dedicated module on Agentic AI covering prompt engineering, retrieval-augmented generation and AI agents, along with real-world applications and project work.

2. What is the structure and duration?

- **Duration:** 50 days of online training, 1st December 2026 to 19th January 2027.
- **Weekly schedule:** Four live sessions per week of 90 minutes each, from 6:00 PM to 7:30 PM IST on Wednesday, Thursday, Friday and Saturday, covering live lectures and discussion, guest lectures from industry and academia, and doubt-solving. Pre-recorded lectures are uploaded regularly, and all live sessions are recorded.

3. What will I learn (curriculum)?

The programme runs across seven modules:

- Python fundamentals for AI and machine learning
- Statistical foundations and data analysis
- Classical machine learning algorithms
- Advanced machine learning and deep learning foundations
- Next generation AI: Transformers, LLMs and Generative AI
- MLOps, model deployment and LLM infrastructure
- Agentic AI: prompt engineering, RAG with LangChain and AI agent tooling (new for this cohort)

The programme is capped by a capstone project.

4. What kind of projects will be included?

Sample hands-on projects include facial expression recognition, lung cancer detection, land use classification, speech emotion recognition, music genre classification, concrete compressive strength prediction, book recommendation systems, company bankruptcy prediction, protein localisation clustering, SMS spam detection and sentiment analysis.

5. What is the fee, and are there different rates?

Yes. The fee depends on your category (IITK or non-IITK, student, faculty, industry or international) and on when you register.

- **Early Bird:** open until 30th September 2026
- **First 25 registrations:** receive a further 10% off the course fee, with 18% GST applied to the discounted amount. This ends once the 25th seat is taken, even if Early Bird is still open.
- **Regular:** from 1st October 2026
- **Late:** final registration window

18% GST applies to non-IITK categories. IITK faculty and students pay the course fee only. The full fee table is on the course website.

6. How will I get access to the course content, and what is included?

Registration covers all live sessions and their recordings, pre-recorded lectures, learning notebooks, hands-on coding sessions, expert guest lectures, project mentoring from IIT Kanpur tutors, an IIT Kanpur course certificate, a project certificate, and a registration kit with IIT Kanpur merchandise sent by post.

7. What are the certifications and outcomes?

You will receive a participation certificate from IIT Kanpur on successfully completing the course, and a separate project certificate awarded by the instructor for successful completion of the hands-on project. Both are intended to help you evidence your skills in a portfolio or CV.

8. Who should apply / prerequisites?

There are no formal prerequisite qualifications. The course opens with Module 0 on Python fundamentals, so committed beginners can follow along, while comfort with basic programming and school-level mathematics or statistics will help you move faster. The later modules on LLMs and Agentic AI keep the programme worthwhile for experienced engineers and researchers.

9. What is the cancellation and refund policy?

The fee paid on completion of registration is non-refundable, except where a valid cancellation request is made strictly within the window set out below.

Cancellation window

A cancellation request will be accepted only if **both** of the following conditions are satisfied:

(a) the request is received by the course office within **15 calendar days** from, and excluding, the date on which the participant received the registration confirmation email from the course office; **and**

(b) the request is received by the course office **on or before 31 October 2026**.

Both conditions are cumulative and must be met. Where the 15-calendar-day period under (a) would end after 31 October 2026, condition (b) prevails and the cancellation window closes

on 31 October 2026. Where a registration is confirmed on or after 1 November 2026, no cancellation right arises and no refund is possible, regardless of when the fee was paid.

Illustrative examples

Confirmation email received	15-day period would end	Last date to request cancellation
1 October 2026	16 October 2026	16 October 2026
16 October 2026	31 October 2026	31 October 2026
25 October 2026	9 November 2026	31 October 2026 (window shortened)
5 November 2026	Not applicable	No cancellation permitted

Participants whose registration is confirmed on or before 16 October 2026 therefore receive the full 15-day window. For confirmations from 17 October 2026 onwards the window is progressively shorter, and it is not available at all from 1 November 2026.

Deductions on an accepted cancellation

Where a cancellation is accepted, the fee will be refunded after deduction of:

1. the GST paid on the registration; and
2. INR 3,000 towards overhead charges per programme.

How to submit a request

Cancellation requests must be made in writing to iitk.applieddatascience@gmail.com from the email address used at registration. The date and time of **receipt** by the course office, in Indian Standard Time, governs, not the date of sending. Requests made by telephone, or through any channel other than the above email address, will not be accepted.

International participants

No refunds are possible for international participants under any circumstances.

