

# Online Course on Introduction to Applied AI

## Course Objectives

This course will cover the fundamentals of the compute capabilities and the system software required for implementing Artificial Intelligence (AI) based solutions on industrial use cases such as those in the domains of healthcare and Smart City. The course will help participants use state-of-the-art AI SDKs effectively to solve complex problems.

## Salient Features

- Course conducted by NSM Nodal Centers in collaboration with Nvidia and OpenACC
- Content created and delivered by leading faculty and industry experts
- Unique Opportunity to learn the fundamentals of hardware acceleration for AI tasks
- Demonstrations and Code walkthroughs
- Industrial use-cases of Accelerated AI

## Schedule & Fees

**Duration:** 33 lectures (demos included) of 1 hour each followed by 30 mins of Q&A

**Hours:** Mondays, Wednesdays and Fridays - 5:00 pm to 6:30 pm

**Course Fee:** Rs 800/- for students,  
Rs 3200/- for others

**Course Starts:** January 31, 2022

## Topics Covered

- Fundamentals of AI accelerators and system setup
- Frameworks for Accelerated Deep Learning
- End to End Accelerated Deep Learning
- End to End Accelerated Data Science
- Industrial use-cases of Accelerated AI

## Who Can Attend

- Basic knowledge of Machine Learning is essential
- **Ph.D** Scholars (any stream of Science or Engineering)
- **Post Graduate Students** (any stream of Science or Engineering)
- **3rd and 4th year UG Students** (any stream of Engineering)
- Non-Students and Working Professionals

For details and registration visit:

<https://iitgoa.ac.in/aishikshaai/schedule.php>

Course will be conducted jointly by IIT Kharagpur, IIT Madras, IIT Goa and IIT Palakkad in collaboration with Nvidia and OpenACC under the aegis of National Supercomputing Mission