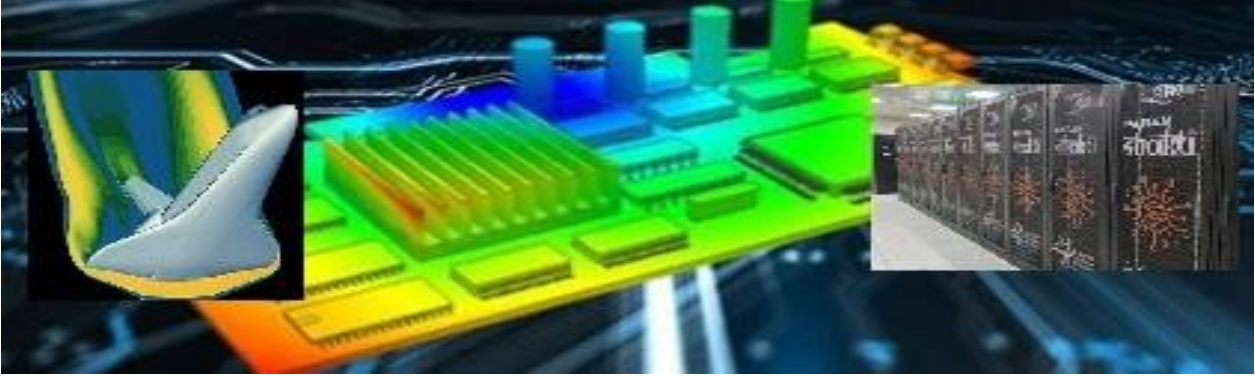


# Workshop on Accelerated Computing for AI-ML

March 07, 2026

Organized by

Nodal Centre for Training in HPC and AI  
Centre for Computational and Data Sciences, IIT Kharagpur  
Under the aegis of the National Supercomputing Mission



## About the Workshop:

Massively parallel hardware such as GPUs are transforming the computational and data sciences today. This workshop will train the participants on accelerating the AI-ML workloads in GPU hardware. The sessions will start with profiling bootcamp for AI software. They will be exposed to NVIDIA Nsight systems, PyTorch and MNIST workflow and Tensor core simulations. Also, they will be trained to optimize the applications with better data movement and GPU portability. There will be hands-on training sessions

## Program:

Morning: Introduction to AI-ML and fundamentals of Deep Neural Network

Afternoon: Profiling AI Software Bootcamp  
NVIDIA Nsight Systems lab  
PyTorch MNIST and Optimization

Evening: Data Transfers between Host and GPU, Tensor Core

## Who should attend:

Undergraduate, Graduate & Ph.D. Students  
Faculty Members & Researchers  
Industry Professionals

## Registration fees:

INR 600 for students  
INR 2000 for faculty members and professionals  
Payee details are available in the registration form

## Registration link:

<https://forms.gle/YNMRwFA7o9vaMH7z9>

*Due to limited capacity only the first 70 participants will be considered*

## Instructors

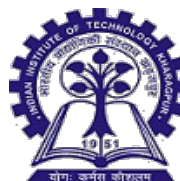


**Mr. Bharatkumar Sharma**  
Tech Program Manager,  
APAC, NVIDIA



**Prof. Pabitra Mitra**  
Department of Computer  
Science and Engineering  
IIT Kharagpur

**Participants are required to bring their own laptops**



**Venue: IIT Kharagpur Research Park, Rajarhat, Kolkata**

<https://maps.app.goo.gl/pbJrpi5sYjSjzCTj7>

Contact:

[ccdsoffi@ccds.iitkgp.ac.in](mailto:ccdsoffi@ccds.iitkgp.ac.in)