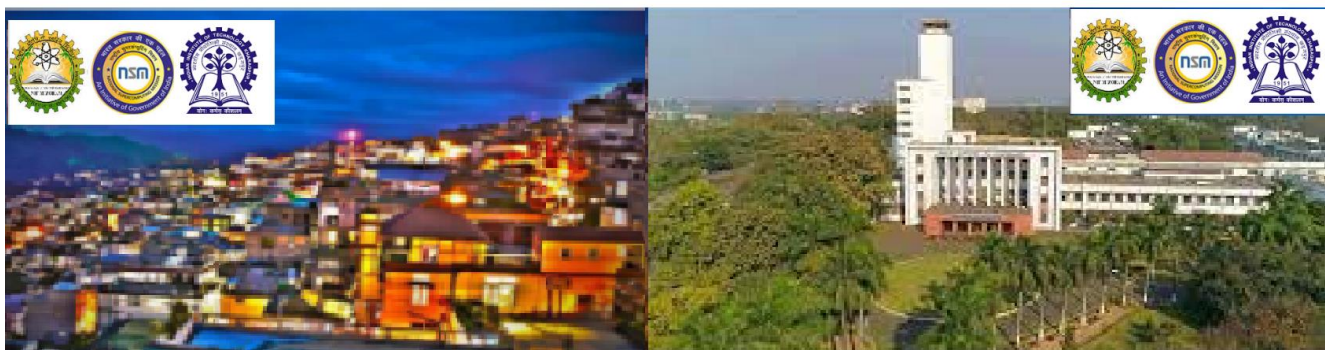


# Joint Online Workshop on Artificial Intelligence and High-Performance Computing under the aegis of National Supercomputing Mission

July 25-29, 2022

Organized by NIT Mizoram and IIT Kharagpur



## About the Workshop:

In recent times, different research areas in **Artificial Intelligence** has started to rely on high-performance computing (HPC). The workshop aims to cover different aspects relevant to using HPC to solve problems in such areas. The basics of HPC programming framework will be complemented by timely and relevant topics in AI where HPC resources are indispensable.

## Topics:

- Overview of HPC
- HPC in Science and Technology
- Introduction and Hands-on Session in ML
- Introduction to Deep Learning along with Hands-on
- Introduction and Hands-on Session in OpenMP/MPI
- Introduction and Hands-on Session in CUDA
- AI in Computer Vision and Image Processing
- Hands-on Session in CV and IP
- AI in NLP and Hands-on Session on AI in NLP
- AI and Optimization
- AI and Cryptography

Ashish P Kovelkar (C-DAC Pune and NSM)

Pabitra Mitra (IIT Kharagpur)

Somnath Roy (IIT Kharagpur)

Megh Makhwana (IIT Kharagpur)

## Speakers:

## Workshop Links:

Online Registration Form:

<https://forms.gle/vDWKjHifo6cMcLns6>

Webpage:

<https://www.nitmz.ac.in/DisplayPage.aspx?page=kacac>

Contact email: [rdas@nitmz.ac.in](mailto:rdas@nitmz.ac.in)

## Important Dates:

Last date for registration: **23rd July, 2022, 5:00PM**

(Registration may close earlier, if capacity is reached. Early registration is recommended.)

Notification and sharing of link: **24<sup>th</sup> July, 2022**

## Who should attend:

Scientists, Faculty Members, Postdoctoral Fellows, Doctoral Students, Postgraduate Students

## Co-ordinator

**Dr. Ranjita Das, NIT Mizoram**

## Organizing Committee:

Dr. Ranjita Das, NIT Mizoram

Dr. Sandeep Kumar Dash, NIT Mizoram

Prof. Pabitra Mitra, IIT Kharagpur

Prof. Somnath Roy, IIT Kharagpur

Ranjita Das (NIT Mizoram)

Sandeep Kumar Dash (NIT Mizoram)

Sriparna Saha (IIT Patna)

Lenin Laitonjam (NIT Mizoram)

