# ONLINE FACULTY DEVELOPMENT PROGRAM

## On

## *High Performance Computing and Emerging Trends*

## 27th May- 1st June 2024

## Organized by:

## Institution-Industry Linkage Cell (IILC)



**Department of Computer Science & Engineering and Information Technology**

**Jaypee Institute of Information Technology**

(Declared Deemed to be University u/s Sec3 of UGC Act 1956)

## *ABOUT JIIT & CSE/IT DEPT.*

Jaypee Institute of Information Technology (JIIT), Noida was established in the year 2001 and has been declared as a "Deemed to be University" under Section 3 of UGC Act 1956. The undergraduate programs of the university have been accredited by the National Board of Accreditation of AICTE. The Department of Computer Science & Engineering and Information Technology is a lively and invigorating academic centre for higher education, research, and innovation in key areas of computing.
For moreinfo: http://www.jiit.ac.in

## *ABOUT THE FDP*

An intensive One week Faculty Development Program is being organized for faculty of engineering and technological institutions in ONLINE MODE. The objective is to provide an exposure in "High Performance Computing and Emerging Trends" through interaction with experts in different domains from Industry involved in High Performance Computing and allied fields. High Performance Computing (HPC) is a field of computing dedicated to solving complex problems quickly and efficiently through the use of parallel processing and large-scale computational resources. As technology advances, HPC continues to evolve, driven by emerging trends that shape its future trajectory like Exascale Computing, Heterogeneous Architectures, Quantum Computing, Big Data and Data Analytics, Artificial Intelligence and Machine Learning, Edge Computing and HPC and Sustainable HPC and many more.

## *Expert lectures and extensive hands-on sessions cover following topics:*

- *Exascale Computing*
- *Heterogeneous Architectures*
- *Quantum Computing*
- *Big Data and Data Analytics*
- *AI/ML for HPC*
- *Edge and Fog Computing*
- *Sustainable HPC*
- *Big Data, Hadoop & Analytics*
- *HPC Programming Paradigms- MPI, OpenMP, Open CL, CUDA, TensorFlow and PyTorch etc.*

## *CHIEF PATRONS*

**Hon'ble Shri Jaiprakash Gaur ji**
**Hon'ble Shri Manoj Gaur ji**

## *PATRONS*

**Prof. S.C. Saxena, Pro Chancellor, JIIT**
**Prof Bodh Raj Mehta, Vice Chancellor, JIIT**
**Prof. Vikas Saxena, Director (JIIT)**
**Prof. Pammi Gauba, Dean I (JIIT)**
**Prof. Shweta Srivastava, Dean II (JIIT)**

## *CONVENER*

**Prof. Krishna Asawa (IILC Coordinator)**

## *COORDINATORS*

**Dr. Taj Alam**
**Dr. Amarjeet Prajapati**

## *RESOURCE PERSONS*

Eminent Industry expertsin different domains from Industry involved in High Performance Computing and allied fields will deliver the sessions with practical demonstrations.

## *HOW TO APPLY*

Registration can be done using Google form link below:
https://forms.gle/SDHijsNJtTxKvrmX8
Registration fee should be paid through **NEFT/DD** and the transaction details should be mentioned in Google form. The payment link is in the registration form.
**Expected Audience:** Faculty and Research Scholars.

**Registration fees:**

| Faculty | Rs. 500 |
|---|---|
| Research Scholar | Rs. 500 |
| Internal faculty | No Fee |

**Last date of Registration: 20th May 2024.**

## *For any query, contact:*

Dr. Taj Alam
Dr. Amarjeet Prajapati
Department of Computer Science & Engineering and Information Technology, Jaypee Institute of Information Technology, Noida
A-10, Sector- 62, Noida - 201310, India
Ph: +91-7836902032, 8950775885
Email: taj.alam@jiit.ac.in
amarjeet.prajapati@jiit.ac.in,