BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, NEW DELHI

Department of Computer Science and Engineering

Ref. No: BVCOE/ND/CSE/2023-24/Indus_Visit_01

Date: 19-10-2023

NOTICE

Department of Computer Science & Engineering
Industrial Visit to the latest supercomputer "MIHIR"

CSE V SEM. STUDENTS (Both Shifts)

The department of Computer Science and Engineering is organizing a one-day Industrial Visit to the latest supercomputer "MIHIR" at National Centre for Medium Range Weather Forecasting (NCMRWF) for 3rd-year students.

The highlights of this visit are:

1. Industrial visit will be organized at The National Centre for Medium-Range Weather Forecasting (NCMRWF), which is a Centre of Excellence in Weather and Climate Modelling under the Ministry of Earth Sciences.

2. The latest supercomputer "MIHIR" is a Cray-XC40 LC [Liquid Cooled] System with 2320 nodes running Intel Xeon Broadwell E5-2695 processors with a peak performance of 2,806 TFLOPS and a total system memory of 290TB. The system is composed of 13 Compute cabinets and uses Cray's Aries NOC with Dragonfly Interconnect network topology. In addition, the system consists of 12 Intel KNL 7210 accelerator nodes with a peak performance of 31.92 TFLOPS and a total memory of 1.1TB.

3. As per TOP 500's Jan 2018 ratings, "MIHIR" is India's second fastest supercomputer with 2.8 Petaflops of peak performance powered by Intel Xeon Broadwell E5-2695 v4 CPU and has total storage of 6.3 Petabytes. It has Intel KNL 7210 nodes with a peak performance of 31.92 TFLOPS.

Note for students:

Students must sign up for the visit using the provided link. Please note that we have limited availability, as only 100 students can participate. Selection will be made on a first-come, first-served basis. Once students have registered, they cannot cancel their registration, so please make your decision carefully.

1. **Date for visit:** 25 October 2023 (CSE 1 and CSE 2)

2. **Venue**: NCMRWF, Ministry of Earth Sciences, A-50, Sector-62, NOIDA, UP, Pin: 201 309
3. **Registration Link**:
   https://docs.google.com/spreadsheets/d/1mGMFT4W67rWN1t6EYu7HHlwoW7WDkn9PMSPxd7J0CUYE/edit?usp=sharing (For CSE 1)

   https://docs.google.com/spreadsheets/d/1OQHCXgmmPGtn8enpVRxBOK7I6YCalTLB-4oMh9s1ueE/edit?usp=sharing (For CSE 2)

4. Last date for registration is 22.10.23
5. The detailed schedule will be shared with the final list of registered students.

Industrial Visit In-charge:

Dr. Gargi Mishra *Gargi* 19/10/23

Class Advisors:

Ms. Amrita Ticku *Amrita* 19/10/23   Ms. Nitasha Rathore
(CSE-1)   (CSE-2)

Dr Deepika Kumar
HOD, CSE