

ABOUT KURUKSHETRA UNIVERSITY

(A+ grade NAAC accredited)

The Kurukshetra University was established in 1956 as a unitary residential University and its foundation stone was laid by late Dr. Rajendra Prasad, the first President of India. Located in the holy city of Kurukshetra, land of the historical battle of 'Mahabharata' and the great message of Bhagwad Gita, its campus is situated on the western bank of Brahm Sarover (the holy tank) and extends over an area of over 400 acres. Starting with only the Department of Sanskrit, it has grown into a multi-faculty University as one of the premier centres for advanced study and research in the region.

ABOUT KURUKSHETRA

Kurukshetra, the land of Shri Madh Bhagwat Gita is located in the north-east part of Haryana. It is well connected by rail and road. It is 160 km from New Delhi and 110 km from Chandigarh. The weather during May is comfortable (~ 25°C - 36°C).

WHO CAN ATTEND?

Research scholars, Graduate students, Undergraduate students, Engineers, Trainees, Faculty members, academicians and researchers from different organizations, institutions across the country using or planning to use High Performance Computing.

DURATION: One day (May 04, 2018)

HOW TO APPLY?

Completed applications should reach the coordinator latest by **27-04-2018**. The scanned copy of registration form need to be send via e-mail only.

COURSE FEE

Rs. 200/- (To be paid in cash by the participants on the day of workshop)

COORDINATORS

Prof. R. K. Moudgil, Dr. Manish Kumar

CONTACT ADDRESS

(For any queries & to send filled registration forms)

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ORGANIZING COMMITTEE

Prof. K. C. Sharma PATRON

(Vice-Chancellor, KUK)

Prof. Shyam Kumar

(Dean Academic Affairs, KUK)

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Dr. Manish Kumar SECRETARY

Dr. Hardev Singh



NSM Workshop on HIGH PERFORMANCE COMPUTING

May 04, 2018

Organized by



Department of Physics
Kurukshetra University
Kurukshetra (Haryana)

&



CENTER FOR DEVELOPMENT OF
ADVANCED COMPUTING

(You may also visit our website
www.kuk.ac.in for details)

OBJECTIVE

High-performance computing (HPC) refers to systems that, through a combination of processing capability and storage capacity, can rapidly solve complex computational problems across a diverse range of scientific, engineering, industrial fields and many application fields. High-performance computing has become indispensable for scientific researchers, enterprises, and government agencies to make new discoveries and innovate breakthrough products and services. The workshop aims at:

- Enhancing capability in solving challenging problems of computation.
- Empowering researchers with supercomputing facilities and enabling them to carry out cutting-edge research in their respective domains.

ABOUT NSM

The Mission envisages empowering our national academic and R&D institutions spread over the country by installing a vast supercomputing grid comprising of about 70 high performance computing facilities. These supercomputers will also be networked on the National Supercomputing grid over the National Knowledge Network (NKN). The Mission implementation would bring supercomputing within the reach of the large Scientific & Technology community in the country and enable the country with a capacity of solving multi-disciplinary grand challenge problems. The Mission is being implemented and steered jointly by the Department of Science and Technology (DST) and Ministry of Electronics and Information Technology (MeitY).

ABOUT CDAC

Centre for Development of Advanced Computing (C-DAC) is the premier R&D organization of the Ministry of Electronics and Information

Technology (MeitY) for carrying out R&D in IT, Electronics and associated areas. C-DAC has been at the forefront of the Information Technology (IT) revolution, constantly building capacities in emerging/enabling technologies and innovating and leveraging its expertise, caliber, skill sets to develop and deploy IT products and solutions for different sectors of the economy.

COURSE CONTENT

The one-day course will cover topics such as:

- Need of HPC in Science & Engineering.
- Opportunities in HPC.
- Case Study: Matrix Multiplication.
- Demonstration of HPC Environment and Applications.
- Introduction to PARAM Shavak, Supercomputing in a Box Solution from C-DAC.
- Introduction to Deep Learning and demonstration.

RESOURCE PERSONS

Speakers from C-DAC, Pune.

WORKSHOP REGISTRATION

- Participants are requested to fill and send the scanned registration form to the above mentioned e-mail id. Once the registration is confirmed, the details will be mailed to the participants.
- No TA/DA will be provided.
- Registration will be done on first come first served basis to a maximum of 40 seats.
- Tea/Snacks and lunch will be provided.
- Accommodation at university guest house may be provided on request and actual payment basis.



Kurukshetra University, Kurukshetra
REGISTRATION FORM

NSM Workshop on HIGH PERFORMANCE COMPUTING (May 04, 2018)

Name: _____

Designation: _____

Gender: _____

Affiliation: _____

Mailing Address: _____

Mobile No. _____

E-mail ID: _____

Accommodation Needed: _____

Date: _____ Signature of Applicant

Seal & Signature of Head of Department/ Institute