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(HOD Mathematics)

**Convener(s):** Dr. Amit Srivastava  
Dr. Lakhveer Kaur

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Prof. B. P. Chamola	Prof. Sanjeev Sharma
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Prof. Kusum Deep, IIT Roorkee	Prof. Madhu Jain, IIT Roorkee

# Workshop on Emerging Computational Methods for Science and Engineering Applications

(MARCH 15-16, 2019)

Organized by  
**Department of Mathematics**



**VENUE:**  
Jaypee Institute of Information Technology  
Sector 128, Noida 201304 – U.P.  
Tel: 0120-4195800  
Website: [www.jiit.ac.in](http://www.jiit.ac.in)

## Overview

Emerging computational methods are utilized extensively to understand the challenging mysteries of real world problems and complex natural phenomena. The work on several effective and consistent techniques has flourished in recent years to handle modern problems in science and engineering with the help of computational power of digital computers and computing methods.

The primary aim of the workshop is to encourage the applications of new vibrating computational methods for amazing development in the field of science and engineering. The focus of the event will be on algorithm development with the objective to make the participants understand various mathematical and statistical techniques. A quantitative and qualitative analysis of real world problems will be carried out using mathematical and statistical software like MATLAB, MATHEMATICA, MAPLE and R. It is vital that researchers, scientists, engineers and statisticians across these fields meet and explore new dimensions in applicable mathematics for their academic and research activities.

## Resource Persons

- Prof. Abhay G. Bhatt, Indian Statistical Institute (ISI), New Delhi
- Prof. Deepa Sinha, South Asian University (SAU), New Delhi.
- Prof. Mani Mehra, Indian Institute of Technology (IIT), New Delhi.

## Registration Fee

Industry personnel	Rs. 2500
Academicians	Rs. 1500
Research Scholars/Students	Rs. 500

Participants can pay the fees either by demand draft or by cash (at the time of registration). Demand draft should be in favor of "Jaypee Institute of Information Technology", payable at NOIDA.

## About the University

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 university is accredited by the National Assessment and Accreditation Council (NAAC) of the UGC. The undergraduate and post graduate programs of the university have been approved by AICTE. JIIT’s state-of-the-art, environmentally conditioned campus comprises smart buildings with Wi-Fi connectivity covering the academic block, business school cum research block, faculty residences, Student Hostels and Annapurna. Well equipped modern laboratories and an intellectually stocked Learning Resource Centre provide a pleasant and stimulating ambience. JIIT has been constantly ranked amongst the top engineering college in Delhi NCR. Recently it has been ranked among top Engineering Colleges in India by NIRF (MHRD) Rankings.

## Department of Mathematics

Mathematics plays a key role in the development of modern sciences, engineering, management and many other important areas. With this aim in mind the Department of Mathematics was created from the very inception of the institute. Besides catering to the basic needs of the various B. Tech. / M. Tech. programs of the institute, it had a strong fervor towards research and development from the very beginning and efforts are being made for the convergence of Mathematics with other disciplines by introducing courses of interdisciplinary nature such as Fuzzy sets and systems, Information theory and coding, Fractals and Chaos, Finite Element Methods, Optimization Techniques etc. The Department has a good blend of Pure and Applied Mathematics which provides a vibrant research atmosphere. At present a number of research scholars are working for Ph. D. degree in various areas of specialization.

## Who can participate?

The program is open to all Research Scholars/Faculty Members/ Scientists/ Engineers working in Educational Institutes/ Industries/ R&D organizations.

## Important Dates

Last date for Submission of Application Form 28<sup>th</sup> February , 2019

Display of List of Selected Participants 4<sup>th</sup> March 2019.

## How to Apply

The interested persons may submit the dully filled application form to:

Dr. Amit Srivastava, Dr. Lakhveer Kaur  
Department of Mathematics  
Jaypee Institute of Information Technology  
Sector -128, Noida, 201304, Uttar Pradesh.  
Contact no: 8527685948, 9899273989

It can also be emailed at [workshopmathjiit@gmail.com](mailto:workshopmathjiit@gmail.com).

## Accommodation and support

All the participants would be provided tea/lunch on each day of the workshop. Limited paid accommodation may be available on request on first come first served basis.

## How to reach

**Metro:** The station closest to the campus is Botanical Garden. Shared autos and reserved autos are available there. You have to hire one for JIIT, Sector-128.

**Railway:** The New Delhi Railway Station and the Old Delhi railway station connect Noida to the Indian railway network.



## APPLICATION FORM

### Workshop on Emerging Computational Methods for Science and Engineering Applications

Organized by  
Department of Mathematics,  
JIIT, Noida

(MARCH 15-16, 2019)

Name (In capital letters).....

Designation.....

Affiliation / Institution.....

Specialization.....

Correspondence Address.....

E-mail .....

Mobile No.....

DD No.....Date.....

Accommodation Required: Yes/No

Date and time of arrival:

Date and time of departure:

Date Signature

**Follow the subsequent Google form Link for registr with Payment Details:**

[https://docs.google.com/forms/d/e/1FAIpQLSdmeBkEMfFA5qZEYb5wfyxzTEv-JyVKNbiJ\\_KDg-Dslwb5Q/viewform](https://docs.google.com/forms/d/e/1FAIpQLSdmeBkEMfFA5qZEYb5wfyxzTEv-JyVKNbiJ_KDg-Dslwb5Q/viewform)