

# ONE DAY WORKSHOP

on

## Advanced Optimization Techniques

September 23, 2014



Organized by

Department of Mathematics  
Jaypee Institute of Information Technology  
A-10, Sector-62, Noida, UP-201307,  
INDIA

### JIIT AND THE DEPARTMENT OF MATHEMATICS

The Jaypee Institute of Information Technology (JIIT) is declared as a deemed to be University under section 3 of UGC Act. 1956. JIIT is fully backed and supported by the Jaypee Group of Companies through its not-for-profit trust – Jaiprakash Sewa Sansthan (JSS). The state-of-the-art campus is aimed at becoming a center of excellence in the field of information technology & related emerging areas of education, training and research comparable to the best in the world for producing professionals who shall be leaders in innovation, entrepreneurship, creativity and management. The University offers Doctoral (Ph.D.), Post Graduate (M. Tech. and MBA) as well as Under Graduate (B. Tech.) programs in the various disciplines of Engineering, Sciences and Management.

Mathematics plays a key role in the development of modern sciences, engineering, management and many other important areas of activities. 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 fervour 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 Wavelets, Fractals and Chaos, Finite Element Methods etc. The Department has a good blend of pure and applied Mathematics which provides a vibrant research atmosphere. We offer M. Tech. program in Applied and Computational Mathematics. At present twenty research scholar are working for a Ph. D. degree in various areas of specialization. Some of the areas in which research is being carried out are: Numerical Analysis and Computational Continuum Mechanics; Wavelets, Fractals and Chaos, Mathematical Analysis; Statistics, Queuing, Fuzzy and Information Theory.

### OBJECTIVES

The objective of the workshop is to highlight the advances in optimization techniques and their applications in real life problems of sciences and engineering.

### INVITED SPEAKERS

- **Prof. S D Sharma**, Former Professor, Meerut College  
"Talk on Best Decisions Through Operations Research"
- **Prof. Karmeshu**, JNU Delhi  
"Talk on Maximum Entropy for Communication Network"
- **Prof. Kusum Deep**, IIT Roorkee  
"Talk on Nature-Inspired Optimization Techniques"
- **Dr. Millie Pant**, Associate Professor, IIT Roorkee Saharanpur Campus  
"Talk on Metaheuristics for Global Optimization"

The members of Mathematics Department, JIIT, will also speak on the progress of optimization techniques and their engineering applications. The workshop will conclude by holding a discussion on the future scope for the development of the subject.

### WHO CAN PARTICIPATE

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

### REGISTRATION

**Registration Fee: Rs. 500/-.** The Fee includes lunch and tea during the program. No TA/DA or boarding will be provided. Registration fee can be paid by Demand Draft drawn in favour of "**Jaypee Institute of Information Technology**" payable at Noida. Registration form along with demand draft can be sent to the coordinator.

The registration form can also be down-loaded from our website.

**Last Date of Registration\*: September 20, 2014**

**\*On Spot Registration: September 23, 2014 (9:00-9:30 AM)**

### PATRON

Prof. S. C. Saxena, Vice Chancellor, JIIT Noida

### CONVENOR

Prof. Bani Singh  
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### COORDINATOR

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For further information visit: <http://www.jiit.ac.in>.

### REGISTRATION FORM

Name : .....

Academic Qualification: .....

Designation : .....

Department : .....

Organization : .....

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Address (O) : .....

: .....

Phone : .....

Email : .....

Payment Details

Name of Bank : .....

Demand Draft No.: .....

Signature of the Candidate