

ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAM

on

SOFT COMPUTING TECHNIQUES AND THEIR APPLICATIONS

July 13-18, 2020



Organized by

Department of Mathematics
Jaypee Institute of Information Technology
A-10, Sector-62, Noida, UP-201309,
INDIA

CHIEF PATRONS

Hon'ble Shri Jaiprakash Gaur ji

Hon'ble Shri Manoj Gaur ji

PATRON

Prof. S.C. Saxena, Vice-Chancellor, JIIT NOIDA

CONVENER

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JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY AND DEPARTMENT OF MATHEMATICS

Jaypee Institute of Information Technology (JIIT), Noida, an AICTE approved, NIRF (MHRD) ranked and NAAC accredited Deemed University has been constantly ranked amongst the top engineering institutes in north India. (<http://www.jiit.ac.in>)

Mathematics is at the background of almost advancements in various domains of engineering and technology. With this view point, the Department of Mathematics strives to make an impact on the disciplines of mathematics, engineering and on the broader society through internationally recognized research in pure and applied mathematics, dedicated teaching that empowers undergraduate and graduate students to formulate and solve mathematical problems. Besides catering to the basic needs of the various B. Tech. / M. Tech. programs of the Institute, it has a strong fervour towards research and development from the very beginning. At present, 33 research scholars are working in various specialized areas of mathematics. (<http://www.jiit.ac.in/mathematics-0>)

THE FACULTY DEVELOPMENT PROGRAM

Soft computing encloses a set of computational techniques and algorithms that are used to deal with approximate models and complex real life problems. Soft computing exploits the given tolerance for imprecision, partial truth, and uncertainty for a particular problem. Due to their strong learning and cognitive ability and good tolerance of uncertainty and imprecision, soft computing techniques are nowadays being used successfully in many domestic, commercial, and industrial applications. The one week FDP aims to introduce the participants to the soft computing techniques and provide them with hands-on experience, enabling them to apply the techniques in their respective fields.

KEY CONTENTS OF THE PROGRAM

- Introduction to soft computing techniques
- Nature inspired optimization
- Multi-objective optimization
- Fuzzy optimization
- Applications of soft computing techniques in engineering, sciences and management.

WHO CAN PARTICIPATE

The program is open to all the faculty members/scientists/engineers working in educational institutes/ industries/ R&D organizations.

- Single registration to attend all lectures
- Registration fee can be paid online.
- E-certificate will be issued to the participants on successful participation of the course.
- Google meet link and other instructions will be shared via e-mail to all registered participants.

REGISTRATION FEE

Registration Fee: Rs. 500/-

Registration Fee (Members of JIIT): NIL

BANK DETAILS FOR NEFT

Bank and Branch: IDBI Bank, Sector 18, Noida
Beneficiary Name: Jaypee Institute of Information
Technology

Account Number: 109102000007436

IFSC Code: IBKL0000109

HOW TO REGISTER

To complete the registration, the applicants are requested to fill the Google form provided in the link below.

<https://forms.gle/tsL2zURMvBcruVnv8>

Last Date of Registration: July 11, 2020.

RESOURCE PERSONS

The FDP will be endorsed with several distinguished speakers invited from well-known premier institutions and JIIT.

DISTINGUISHED SPEAKERS

Faculty Development Program on “Soft Computing Techniques and their Applications”



Dr. R. C. Mittal
Professor, Department of
Mathematics, JIIT Noida



Dr. Kusum Deep
Professor, Department of
Mathematics, IIT Roorkee



Dr. Alka Tripathi
Professor, Department of
Mathematics, JIIT Noida



Dr. Vikas Saxena
Professor, Department of
Computer Science, JIIT
Noida



Dr. J. C. Bansal
Associate Professor,
Department of Mathematics,
SAU Delhi



Dr. Satish Chandra
Associate Professor,
Department of Computer
Science, JIIT Noida



Dr. Mukesh Saraswat
Associate Professor,
Department of Computer
Science, JIIT Noida



Dr. Amit Srivastava
Associate Professor,
Department of Mathematics,
JIIT Noida



Dr. Harish Garg
Assistant Professor,
Department of Mathematics,
Thapar University



Dr. Dinesh C.S. Bisht
Assistant Professor,
Department of
Mathematics, JIIT Noida



Dr. Himanshu Agarwal
Assistant Professor,
Department of
Mathematics, JIIT Noida



Dr. Pinkey Chauhan
Assistant Professor,
Department of Mathematics,
JIIT Noida