



Faculty Development Program (FDP-2026)

on

Recent Advances in Computational Mathematics, Machine Learning and Emerging Applications

(July 13-18, 2026)

Organized by

Department of Mathematics

Jaypee Institute of Information Technology
A-10, Sector-62, Noida-201309, U.P., India

About the Institute

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). It is situated near the Electronic City at Noida and is at a distance of about 3 Kms from New Delhi – UP border. The state-of-the-art campus aims at becoming a centre 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 Institute offers Under Graduate, Post Graduate, Doctoral programs in the various disciplines of Engineering, Sciences, Management, Computer Application and Mass Communication, etc. JIIT is a NAAC Accredited, AICTE approved and NIRF Ranked Institute in Delhi NCR. For more information, visit: <http://www.jiit.ac.in>

About the Department

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 established from the very inception with a Vision to attain excellence in teaching and research and become a leader in the field of mathematics and its applications. Besides catering to the basic needs of the various UG, PG and Ph. D. programs of the Institute, it has a strong fervor towards research and development. The Department has a good blend of pure and applied mathematicians, which provides a vibrant research atmosphere. The specializations of the faculty members cover most of the important and emerging areas of Mathematics. The Department is also actively involved in its own research and development activities through its B.Sc.(Computer Science), B. Tech. (M&C), M.Sc. (Mathematics) and Ph.D. Programs.

About the FDP

The aim of this faculty development program is to provide a dynamic platform for academicians, researchers, and industry professionals to explore recent developments at the interface of mathematics and intelligent computational techniques. Further, it would accelerate interdisciplinary learning besides creating opportunities for meaningful academic and industry collaborations among participants. The program emphasizes on advanced numerical methods, mathematical modeling, optimization techniques, and the role of machine learning in solving complex real-world problems. It also highlights emerging applications in data science, engineering, and interdisciplinary research areas. Through expert talks and interactive discussions, participants gain exposure to modern tools, current research directions, and practical implementations. The FDP is designed to enhance analytical skills, encourage innovative thinking, and promote collaborative research, thereby strengthening both teaching effectiveness and research outcomes in this rapidly evolving and impactful field today.

Resource Persons

- Prof. Ram Jiwari, Indian Institute of Technology, Roorkee
- Dr. Parteek Kumar, Washington State University, Pullman WA, USA
- Dr. Amiya Ranjan Bhowmick, Institute of Chemical Technology, Mumbai.
- Dr. Isha Dhiman, University of the Fraser Valley, Abbotsford, British Columbia, Canada.
- Dr. Ramesh Kumar Vats, NIT Hamirpur
- Prof. Sandeep Kumar Singh, Dean Academics (UG), JIIT Noida.
- Prof. Alka Tripathi, Dean Academics (UG), JIIT Noida.
- Prof. Anuja Arora, Associate Dean Academics, JIIT Noida.
- Prof. Pato Kumari, JIIT, Noida.
- Prof. Neetu Sardana, JIIT, Noida.
- Prof. Goldie Gabrani, JIIT, Noida.
- Prof. Amit Srivastava, Associate Head (Mathematics), JIIT, Noida.

Mode of FDP

The sessions will be conducted in **online mode** (via **Google Meet**) as per the following schedule:

Monday to Friday: 2:00 PM – 4:00 PM (IST)

Saturday: 10:00 AM – 12:00 PM (IST)

Who can participate?

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

Registration Fee

External Participants:	Rs. 500
JIIT Members:	Free

Payment Link and QR Code

<https://payments.cashfree.com/forms/FDPMATM>



Last date for Registration: June 30, 2026

How to Apply?

The interested persons after payment can register through the link: <https://forms.gle/ZecCk6VAiPqGwAs98>

Convener

Prof. Bhagwati Prasad Chamola,
Head, Department of Mathematics
Jaypee Institute of Information Technology, Noida

Organizer(s)

Dr. Priya Shahi and Dr. Himani Pant
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