

About JIIT

Jaypee Institute of Information Technology, Noida was established in the year 2001 and is an AICTE-approved, NIRF (MHRD) ranked and NAAC accredited, declared “Deemed to be University”, under section 3 of UGC Act 1956. JIIT has been constantly ranked amongst the top engineering Institutes in Delhi-NCR.

The Department of Physics and Materials Science and Engineering (PMSE) offers core and advanced courses to B.Tech, M.Sc., and Ph.D. students across various disciplines. With a focus on first-principle understanding of physical phenomena and material behavior, the department blends physics and materials science to address challenges in energy, nanotechnology, quantum devices, and optics. Students gain the skills to analyze and solve complex technical problems. The department is equipped with state-of-the-art research laboratories and offers Ph.D. programs in cutting-edge areas such as nanomaterials, photonics, quantum optics, sensors, spectroscopy, spintronics, superconductors, and laser-plasma interactions.

Chief Patrons:

Hon’ble Shri Manoj Gaur Ji

Patrons:

Prof. S. C. Saxena

Pro-Chancellor, JIIT

Prof. B. R. Mehta

Vice-Chancellor, JIIT

Scope of FDP

This Faculty Development Program (FDP) aims to provide a comprehensive platform for academic and research professionals to explore the latest developments in the fields of photonics, plasmonics, and electromagnetic (EM) wave applications. The scope of the program spans fundamental principles to advanced technologies, including optical waveguides, photonic crystal structures, plasmonic sensors, metamaterials, and EM wave propagation in novel media.

Objectives:

- To enhance conceptual and practical understanding of photonics and plasmonics.
- To discuss emerging trends in EM wave applications across communication, sensing, and energy systems.
- To foster interdisciplinary research and innovation by connecting physics, materials science, and engineering.
- To encourage collaborative research and curriculum enhancement in higher education institutions.

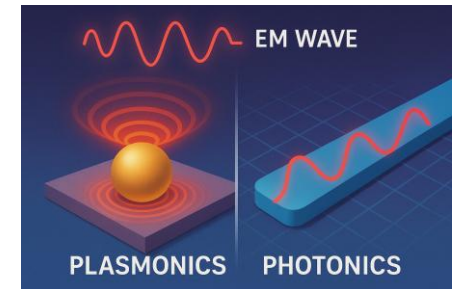
This FDP will benefit faculty, researchers, and doctoral students aiming to enrich their expertise and contribute to cutting-edge technological advancements in the field.



JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

(Deemed to be University under section 3 of
UGC act 1956)

A-10, Sector-62, Noida-201309, Uttar
Pradesh



One-week Faculty Development Program on Frontiers in Photonics, Plasmonics, and EM Wave Applications 14-18 July 2025

Organized by
Department of Physics and Materials Science
and Engineering (PMSE),
Jaypee Institute of Information Technology,
Noida

Program Chair

Prof. Anirban Pathak,
Head of the Department

Coordinators

Dr. Anshu Dharendra Varshney
Associate Professor
Dr. Prashant K Chauhan
Associate Professor

Secretary

Dr. Ravi Gupta
Assistant Professor
Department of Physics and Materials
Science and Engineering (PMSE),
Jaypee institute of Information Technology
Noida

Eminent Speakers

Dr. Mukesh Ranjan
(Institute for Plasma Research, Gandhi
Nagar)

Prof. Sachin Kumar Srivastava
(Indian Institute of Technology, Roorkee)

Dr. Dheeraj Pratap
(Indian Institute of Technology, Delhi)

Dr. Akhilesh Kumar Mishra
(Indian Institute of Technology, Roorkee)

Prof. Anil Malik
(Chaudhary Charan Singh University,
Meerut)

Dr. Sanjeev Soni

(Council of Scientific & Industrial Research
-Central Scientific Instruments Organisation
,Chandigarh)

Prof. S.C. Sharma

(Delhi Technological University, Delhi)

Dr. Than Singh Saini

(National Institute of Technology,
Kurukshetra)

Dr. Rajesh Kumar

(Indian Institute of Technology, Kanpur)

Prof. Rajan Jha

(Indian Institute of Technology,
Bhubaneswar)

Dr. Umesh Kumar Tiwari

(Council of Scientific & Industrial Research
-Central Scientific Instruments Organisation
,Chandigarh)

Prof. Sushil Mujumdar

(Tata Institute of Fundamental Research,
Mumbai)

Dr. A. Raja Bayanna

(Physical Research Laboratory
Solar Observatory, Udaipur)

Dr. Pawan Kumar Tiwari

(Birla Institute of Technology, Mesra,
Ranchi)

Who can participate?

The program is open to faculty members,
scientists, and engineers working in
academic institutions, industries, and R&D
organizations.

Registration Fee INR 500 only

Payment Link:

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

or scan the given QR Code



How to Register:

Fill the registration form using the following
link:

<https://forms.gle/N6JZo6hDQxNCXgpy9>

Last date of Registration:

13 July 2025

MODE OF CONDUCTION: Online

Contact Details

Email: pmsefdp2025@gmail.com

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