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Dr. Monika Singh

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One Week (Hybrid Mode)

Faculty Development Programme

On

"SMART MANUFACTURING:
Integration of Automation, AI, Digital Twins, and Sustainable Production, (SM26)"

(30th June- 5th July 2026)

Organized by

Department of Mechanical & Aerospace Engineering

National Institute of Technology Delhi

(An autonomous Institute under the aegis of Ministry of Education, GOI)
Plot No. FA7, Zone P1, GT Karnal Road, Delhi-110036, INDIA
Tele: +9111-33861000, 1001, 1005 Fax: +9111-27787503,
Website: www.nitdelhi.ac.in

Registration Details

"SMART MANUFACTURING:
Integration of Automation, AI, Digital Twins, and Sustainable Production, (SM26)"

(30th June- 5th July 2026)

Register through the following link ____
https://forms.gle/r7gi1WybnJYss1F67

Applicants are required to pay a registration fee as follows:

Category	Fee
Scholars	200/-
Faculty/Industry Personnel	500/-

NO TA/DA will be provided.
The Application fee is to be paid online only.

A/c Name: **National Institute of Technology Delhi**
Account Number: 092901001915
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About The Institute

An autonomous Institute that functions under the aegis of the Ministry of Education, Govt. of India. It aims to provide instructions and research facilities in various disciplines of Engineering, Science and Technology for advanced learning and dissemination of knowledge. Currently, the institute offers B.Tech. programs in Computer Science and Engineering, Electronics and Communication Engineering, Electrical Engineering, Civil Engineering, Mechanical & Aerospace Engineering and VLSI Design. The institute also offers M.Tech., Ph.D., and Post-doctoral programs. NIT Delhi has been ranked 65 by NIRF.

About The Department

The Department of Mechanical and Aerospace Engineering at NIT Delhi is dedicated to excellence in education, research, and innovation. The department offers B.Tech., M.Tech., and Ph.D. programs and actively pursues research in advanced manufacturing, design, thermal sciences, robotics, materials engineering, aerodynamics, propulsion, and aerospace systems. With experienced faculty members, modern laboratories, and a strong focus on industry-academia collaboration, the department strives to develop skilled engineers and researchers capable of addressing contemporary technological challenges.

Who May Benefit

Faculty members, researchers, professionals, and Industry personnel from the branches of Mechanical, Aerospace, Metallurgy, Chemical, Automobile, and Production Engineering.

Scope of FDP

The FDP is designed to provide participants with a comprehensive understanding of emerging trends and technological advancements in smart manufacturing. Through expert lectures, interactive discussions, and knowledge-sharing sessions by distinguished academicians and industry professionals, participants will gain valuable insights into modern manufacturing practices, research opportunities, and industrial applications. The hybrid delivery mode will ensure greater accessibility and flexibility, enabling participants from across the country to benefit from the program while fostering meaningful academic and professional interactions.

- Exposure to emerging technologies in Smart Manufacturing, Automation, Artificial Intelligence, Digital Twins, and Sustainable Production.
- Opportunity to interact with eminent experts from leading institutions, research organizations, and industries.
- Insights into current research trends, industrial challenges, and future directions in advanced manufacturing.
- Enhancement of teaching, research, and innovation capabilities in Industry 4.0 and smart manufacturing systems.
- Opportunities for networking, collaboration, and knowledge exchange with academicians, researchers, and industry professionals.
- Flexibility to participate through online or offline mode, enabling wider accessibility and engagement.
- Understanding of sustainable manufacturing practices and their role in improving industrial productivity and competitiveness.
- E-certificate/Certificate of Participation upon successful completion of the FDP.

List of Eminent Speakers

Dr. V. K. Jain	Former Professor	IIT Kanpur
Dr. Akshay Dvivedi	Professor & Head	IIT Roorkee
Dr. Saurav Goel	Professor	LSBU London
Dr. J Ramkumar	Professor, HAG	IIT Kanpur
Dr. Amit Rai Dixit	Professor	IIT Dhanbad
Dr. Pradeep Kumar	HAG Professor	IIT Roorkee
Dr. Dayanand Kumar	Assistant Professor	KAUST Saudi Arabia
Dr. M. Ravi Sankar	Professor & Head	IIT Tirupati
Dr. Ajay Sidpara	Associate Professor	IIT Kharagpur
Dr. T. V. K. Gupta	Associate Professor	VNIT Nagpur
Dr. Divyansh Patel	Assistant Professor	IIT Bhubaneshwar
Mr. Ankit Kulshreshtha	Head Capacitor Metallizer	BC Jindal Group, Nasik.
Dr. Anuj Gupta	Deputy Director	CII Delhi
Dr. Purushottam Gangsar	Lead Engineer	John Deere (Pune Division)

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