



Online Programme on AI-driven analytics for Sustainable and Supply Chain Operations



MNIT Jaipur & Spoke Academies
<http://www.mnit.ac.in/eict>

26th to 30th October 2026

meiti.gov.in/content/schemes-projects

Experts/Speakers-

Prof. Rajeev Agrawal, MNIT Jaipur
Prof. Monica Sharma, MNIT Jaipur
Prof. Surya Prakash Singh, IIT Delhi
Dr. Lohithaksha M. Maiyar, IIT Hyderabad
Dr. Vijaya Kumar Manuapti, IIM Mumbai
Dr. Saurabh Pratap, IIT BHU

Objective (Electronics & ICT Academy-Phase II)

- 1) To conduct specialized FDPs for faculty/mentor training in line with the vision of MeitY in high-priority areas supporting the "Make in India" and the "Digital India" programs.
- 2) To promote synergy and collaboration with industry, academia, universities and other institutions of learning
- 3) To support the National Policy on Electronics 2019 (NPE 2019), which envisions positioning India as a global hub for ESDM sector, including MeitY Schemes/policies such as Programme for Semiconductors and Display Fab Ecosystem; India AI; National Programme on AI, Production Linked Incentive Scheme for IT Hardware & Large-Scale Electronics Manufacturing; EMC; SPECS; Chips to System (C2S); etc.
- 4) To promote standardization of FDPs through Joint Faculty Development Programmes.

- Fee once paid will not be refunded back; however, it can be adjusted for a future programme.
- The fee covers online participation in the programme, tutorial, notes, and examination, certification charges, etc.
- The registration amount may be paid through online mode- NEFT/UPI/Cards/SWIFT, provided at the registration portal.

An intensive 40-hour online training programme is being organized for faculty members, doctoral scholars, and students of engineering and technological institutions. Working professionals from industry are also invited to participate. The programme focuses on AI-driven analytics for sustainable supply chain management, covering AI and Machine Learning applications using Python and Excel. Through practical exercises, real-world case studies, and data-driven modeling, participants will gain hands-on experience in demand forecasting, inventory optimization, procurement, logistics, production analytics, data visualization, and dashboard development, enabling them to transform supply chain data into actionable business insights. **The programme will run from 3:00 P.M. - 7:00 PM during 26th to 30th October 2026.**

Programme Modules:

Module 1: AI-enabled Supply Chain Analytics: AI in Supply Chain Operations, AI enabled sustainability by optimizing resource utilization, reducing waste, and supporting circular economy practices, Creating Generative Pre-trained Transformers (GPTs) to automate Supply Chain Analytics. Case studies and Steps to prepare a supply chain for AI

Module 2: Data Engineering and AI for Supply Chains: Data-Driven Decision Intelligence, Supply Chain Data Collection and Preparation, Excel and Python for Supply Chain Analytics, Exploratory Data Analysis and Data Visualization, Business Intelligence through data, Hands-on Exercises using Supply Chain Datasets

Module 3: AI-Based Demand Forecasting and Inventory Analytics: Artificial Intelligence and Machine Learning for Production Planning and Control, Green Field Analysis and Network Optimization using anyLogistix and Excel,

Module 4: Supply Chain Optimization and Intelligent Logistics: Analytics and Predictive Techniques for Procurement and Supplier Performance, Transportation and Logistics Analytics, Big Data applications in Operations, Industry 4.0, and developing heuristics and Meta-heuristics approaches,

Module 5: AI applications in Sustainable Supply Chains: AI Applications in Procurement, Logistics, and Operations, Dashboard for visibility, Sustainability Analytics, AI-Digital Twin Applications in Supply Chain, and Generative AI for Supply Chain Decision-Making, AI-Assisted Supply Chain Analytics Case Studies

Programme Coordinator

Prof. Rajeev Agrawal fdp.academy@mnit.ac.in 9549650366 (M)

Registration:

Registration is open to faculty, working professionals, industry persons, doctoral, postgraduate, and graduate students from India and the rest of the world. Participants will be admitted on a first-come, first-served basis.

Registration Fee

Mode of programme	India/SAARC/Africa		Rest of the world
	Academia (faculty/Students)	Others	
Online	Rs. 750/-	Rs. 1500/-	US \$ 60/-
Classroom	Rs. 2500/-	Rs. 5000/-	--

(18% GST extra)

- A detailed schedule will be shared after receiving registration form

Register online at - <http://online.mnit.ac.in/eict/>
→ For queries, contact us at fdp.academy@mnit.ac.in



MNIT Jaipur one of the oldest NITs, the institute has a rich heritage of sixty years producing world class engineers, managers, architects and scientists. Ranked 42nd nationally in the NIRF ranking-2025 (Engineering), the institute offers learning opportunities for undergraduate, postgraduate students, and researchers in various domains. Having a lush green campus of over 317 acres within the heart of the pink city, close to Jaipur International Airport, the campus offers a safe and lively environment. A world class teaching infrastructure, state-of-art laboratories welcome you at the campus. The institute has a vision to impart education of international standards and conduct research at the cutting edge of technology.