



भारतीय पैकेजिंग संस्थान
Indian Institute of Packaging
An autonomous body under the Ministry of Commerce & Industry, Govt. of India



वाणिज्य एवं
उद्योग मंत्रालय
MINISTRY OF
COMMERCE
AND INDUSTRY



ITEC

INDIAN TECHNICAL AND ECONOMIC COOPERATION PROGRAMME
MINISTRY OF EXTERNAL AFFAIRS, GOVERNMENT OF INDIA

TWO WEEKS INTERNATIONAL RESIDENTIAL TRAINING PROGRAMME ON

AUTOMATION, ROBOTICS & AUGMENTED PACKAGING



under Indian Technical and Economic Cooperation (ITEC), Ministry of External Affairs (MEA), Govt. of India

DATE : 06/10/2025 to 16/10/2025

VENUE

INDIAN INSTITUTE OF PACKAGING, DELHI

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Tentative Course Content

Time	Topic
Day 1	
10:00 am - 11:00 am	Inauguration
11:00 am - 11:30 am	Tea/ Coffee
11:30 am - 01:00 pm	Role of Automation and Robotics in Modern Packaging
01:00 pm - 2:00 pm	Lunch
2:00 pm- 3:30 pm	Augmented Packaging and Smart Packaging Technologies.
3:30 pm- 4:00 pm	Tea/Coffee
4:00 pm - 5:00 pm	Importance of Design in Packaging for Sustainability
5:00 pm - 6:00 pm	Primary Packaging Automation (Filling, Sealing, Wrapping)
Day 2	
10:00 am - 11:30 am	Secondary Packaging Automation (Cartoning, Labelling, Palletizing)
11:30 am - 12:00 am	Tea/ Coffee
12:00 pm - 01:30 pm	Tertiary Packaging Automation (Pallet Wrapping, Warehousing)
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	Overview of Global Packaging Standards
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Types of Robots Used in Packaging
Day 3	
10:00 am - 11:30 am	Integration of AI and Machine Learning in Robotic Packaging Systems
11:30 am - 12:00 am	Tea/ Coffee
12:00 am - 01:30 pm	Anti-Counterfeiting Approaches in Packaging
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	Sustainable Packaging Materials and Quality Standards
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	QR codes, NFC, and RFID for Interactive Packaging
Day 4	
	Factory Visit
Day 5	
10:00 am - 11:30 am	Smart Packaging Technologies for Packaging

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11:30 am - 12:00 am	Tea/ Coffee
12:00 am - 01:30 pm	Robotics in Labelling, Inspection, and Sorting
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	Advances in Packaging Machineries for Packaging
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Future Trends: 3D Printing, Nanotechnology, and Block-chain in Packaging
Day 6	
10:00 am - 11:30 am	Different Printing Processes for Packaging
11:30 am - 12:00 am	Tea/ Coffee
12:00 am - 01:30 pm	Laboratory Visit - Practical on Testing of CFB Box, Paper & Composite Containers
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	Smart Packaging Technologies (QR codes, sensors, RFID)
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Packaging Technologies for Tracking and Tracing of Packaging
Day 7	
10:00 am - 11:30 am	Label & Labelling for Process of Packaging
11:30 am - 12:00 am	Tea/ Coffee
12:00 pm - 01:30 pm	Cost-Benefit Analysis of Automation Adoption of Packaging
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	AI and Digital Technologies in Packaging Quality Management
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Supply Chain Management of Packaging
Day 8	
	Industrial Visit
Day 9	
10:00 am - 11:30 am	Testing and Evaluation of Transport Packaging
11:30 am - 12:00 am	Tea/ Coffee
12:00 am - 01:30 pm	End-of-Life Packaging Management , EPR for Packaging Waste
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	Visit to Transport Laboratory at IIP Delhi
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Sustainable and Intelligent Packaging Systems
Day 10	



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10:00 am - 11:30 am	Quiz
11:30 am - 12:00 am	Tea/ Coffee
12:00 pm onwards	Valedictory Session