



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  
सत्यमेव जयते



ITEC

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

# TWO WEEKS INTERNATIONAL RESIDENTIAL TRAINING PROGRAMME ON PACKAGING 5S CONCEPT



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

**DATE : 07/07/2025 TO 17/07/2025**

**VENUE**

**INDIAN INSTITUTE OF PACKAGING, DELHI**

## TWO WEEKS INTERNATIONAL RESIDENTIAL TRAINING PROGRAMME ON PACKAGING 5S CONCEPT (SAFE, SECURE, SUSTAINABLE, STANDARDIZED AND SMART PACKAGING)

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

### Tentative Course Content

Time	Topic
<b>Day 1</b>	
10:00 am - 11:00 am	Inauguration
11:00 am - 11:30 am	Tea/ Coffee
11:30 am - 01:00 pm	Introduction on Packaging 5S Concept
01:00 pm - 2:00 pm	Lunch
2:00 pm- 3:30 pm	Principles, Concepts and Challenges of Packaging Technology
3:30 pm- 4:00 pm	Tea/Coffee
4:00 pm - 5:00 pm	Types of Sustainable Packaging Materials
5:00 pm - 6:00 pm	Importance of Design in Sustainable Packaging
<b>Day 2</b>	
10:00 am - 11:30 am	Packaging Materials- Types and Application
11:30 am - 12:00 am	Tea/ Coffee
12:00 pm - 01:30 pm	Understanding Food-Grade and Non-Toxic Packaging Materials Compliance with Food Safety Regulations
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	Hazard Analysis and Critical Control Points (HACCP) in Packaging
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Tamper-Proof and Anti-Counterfeit Packaging Technologies
<b>Day 3</b>	
10:00 am - 11:30 am	Block-chain and Serialization in Secure Packaging
11:30 am - 12:00 am	Tea/ Coffee
12:00 am - 01:30 pm	Anti-Counterfeiting Approaches in Sustainable Packaging
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	Global Packaging Standards (ISO, ASTM, FDA, EU Directives) Quality Control and Testing In Packaging
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Good Manufacturing Practices (GMP) in Packaging
<b>Day 4</b>	
	Factory Visit

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Day 5	
10:00 am - 11:30 am	Smart Packaging Technologies for Sustainable Packaging
11:30 am - 12:00 am	Tea/ Coffee
12:00 am - 01:30 pm	QR Codes, NFC, RFID, and AI-Driven Tracking for Packaging
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	Advances in Packaging Machineries for Sustainable Packaging
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Block-chain Applications in Supply Chain Traceability in Packaging
Day 6	
10:00 am - 11:30 am	Different Printing Processes for Sustainable Packaging
11:30 am - 12:00 am	Tea/ Coffee
12:00 am - 01:30 pm	<b>Laboratory Visit</b> - Practical on Testing of CFB Box, Paper & Composite Containers
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	Eco-friendly, biodegradable, Recyclable and Compostable Packaging Solutions
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Packaging Technologies for Tracking and Tracing of Sustainable 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	Integration of Automation and Robotics in Sustainable and Smart Packaging
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	Packaging Standards and Regulations for Sustainable Packaging
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Circular Economy in Packaging and Waste Management Strategies
Day 8	
	Industrial Visit
Day 9	

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10:00 am - 11:30 am	Testing and Evaluation of Transport Packaging for 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	Automation and Robotics for Packaging
<b>Day 10</b>	
10:00 am - 11:30 am	Quiz
11:30 am - 12:00 am	Tea/ Coffee
12:00 pm onwards	Valedictory Session