

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

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 - 12:00 am	Inauguration
12:00 am - 12:30 am	Tea/ Coffee
12:30 am - 01:30 pm	Introduction on Packaging 5S Concept
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	Importance of Design in Sustainable Packaging
4:00 pm- 4:30 pm	Tea/Coffee
4:30 pm - 6:00 pm	Principles of Packaging 5S
<b>Day 2</b>	
10:00 am - 11:30 am	Introduction of Automation in Packaging Industry
11:30 am - 12:00 am	Tea/ Coffee
12:00 pm - 01:30 pm	Packaging principles & Concepts and Packaging Materials - Types and Application
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	Quality and Compliance in Packaging Industry
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Introduction of Glass Packaging and Application
<b>Day 3</b>	
10:00 am - 11:30 am	Smart and Intelligent 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	Advances in Packaging Machineries
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Manufacturing Packaging Machineries of Flexible Packaging Materials
<b>Day 4</b>	
10:00 am - 11:30 am	Packaging Procurement in e-Commerce
11:30 am - 12:00 am	Tea/ Coffee

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12:00 am - 01:30 pm	Advances of Designing in Packaging
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	Sustainable Food Packaging Technologies for Promoting Food Safety and Nutrition
<b>Day 5</b>	
<b>Factory Visit</b>	
<b>Sunday</b>	
<b>Local Tour</b>	
<b>Day 6</b>	
10:00 am - 11:30 am	Automation and Robotics in Sustainable and Smart Packaging
11:30 am - 12:00 am	Tea/ Coffee
12:00 am - 01:30 pm	Visit to Transport Laboratory at IIP Delhi for Transport Worthiness Testing of Export Packaging
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	Polymers in Packaging Industry
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Block Chain and Serialization in Secure Packaging
<b>Day 7</b>	
<b>Industrial Visit</b>	
<b>Day 8</b>	
10:00 am - 11:30 am	Biodegradable Polymers and Biopolymers in Packaging
11:30 am - 12:00 am	Tea/ Coffee
12:00 pm - 01:30 pm	Different Printing Processes for Sustainable Packaging
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	AI/ML in Food Packaging
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Advances of Packaging Machineries for Sustainable Packaging
<b>Day 9</b>	
10:00 am - 11:30 am	Application of Styrene's in Food and Electronics Packaging
11:30 am - 12:00 am	Tea/ Coffee

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12:00 am - 01:30 pm	Films and Laminates in Sustainable Packaging
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	Smart Packaging Technologies for Sustainable Packaging
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Smart Warehousing 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