

## TWO WEEKS INTERNATIONAL RESIDENTIAL TRAINING PROGRAMME ON ADVANCED COURSE IN SUSTAINABLE 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 Technology
01:00 pm - 2:00 pm	Lunch
2:00 pm- 3:30 pm	Principles and Concepts 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	Paper - Raw Materials, Manufacturing Processes and Types of Paper in Sustainable Packaging
11:30 am - 12:00 am	Tea/ Coffee
12:00 pm - 01:30 pm	Plastics - Raw Materials and Types of Plastic in Sustainable Packaging
01:30 pm - 2:30 pm	Lunch
2:30 pm- 4:00 pm	Folding Board Carton & its Designing for Sustainable Packaging
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	CFB Box – Raw Materials, Manufacturing Processes for Sustainable Packaging
<b>Day 3</b>	
10:00 am - 11:30 am	Manufacturing Processes, Structure and Property of Plastics for Sustainable 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	Sustainable Food Packaging Materials
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Sustainable Pharmaceutical Packaging Materials
<b>Day 4</b>	
	Factory Visit
<b>Day 5</b>	

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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	Various Films and Application of Laminates for Sustainable 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	Glass Containers – Raw Materials, Manufacturing Process and Application for Sustainable Packaging
<b>Day 6</b>	
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	Cushioning Materials and Designing of Packaging for Sustainable Packaging
4:00 pm- 4:30 pm	Tea/ Coffee
4:30 pm - 6:00 pm	Packaging Technologies for Tracking and Tracing of Sustainable Packaging
<b>Day 7</b>	
10:00 am - 11:30 am	Label & Labelling for Process of Sustainable Packaging
11:30 am - 12:00 am	Tea/ Coffee
12:00 pm - 01:30 pm	Multilayer Films in Packaging and their properties for Sustainable 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	Metal Containers – Tinsplate Containers and Manufacturing Processes for Sustainable Packaging
<b>Day 8</b>	
	Industrial Visit
<b>Day 9</b>	
10:00 am - 11:30 am	Testing and Evaluation of Transport Packaging for Sustainable Packaging

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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 Sustainable 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