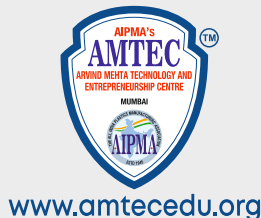


ORGANIZED BY



# EXECUTIVE DEVELOPMENT PROGRAM

Plastic is material consisting of a wide range of synthetic or semi-synthetic organic compounds that are malleable and can be moulded into solid objects. Plastic is truly a remarkable material to work with.

**DIFFERENT PROPERTIES: ADVANCE POSSIBILITIES**

## Who can Attend :

Middle/Senior level executives/Entrepreneurs involved in Production, Quality Control and Purchase



**INR  
5000/-  
EACH MODULE**  
+GST EXTRA

\* Members Discount Applicable



10:00 AM to 5:00 PM



AIPMA House, Plot No. 232, Sector-18, Phase - 4,  
Udyog Vihar, Gurugram, Haryana - 122 016.

## OBJECTIVE: KNOW YOUR POLYMER Series of Programs

1. Know your Polymer - to understand Basics of Polymers and the structure
2. Know your Polymer - for Processing and Quality
3. Know your Polymer - for Advance Characterization
4. Know your Polymer - for Product Development
5. Know your Polymer - for Packaging
6. Know your Polymer - for Recyclability



For More Information



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## EMINENT FACULTY



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Professor Emeritus  
Dept. of Materials Science & Engineering,  
Indian Institute of Technology, Delhi, India



**Dr. G. Mukhopadhyay**



**Mr. Mihir Banerjee**

Secretary General & Co-ordinator  
Plastics Packaging Research &  
Development Centre



**Mr. Vijay Gupta**

Director  
LKC Moulding Solutions Pvt. Ltd.



**Mr. Kuldeep Mathur**

Sr. General Manager  
Autotech Sirmax India Pvt Ltd.  
(Tisco Group)



**Prof. Leena Nebhani**

Associate Professor, Department  
of Materials Science and Engineering,  
Indian Institute of Technology Delhi



**Dr. Sumit Singh**

Anton Paar India



**Mr. Mayank Varshney**

Anton Paar India



**Dr. Kartik Pondicherry**

Anton Paar India



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# MODULE I (3<sup>RD</sup> - 4<sup>TH</sup> MARCH, 2023)

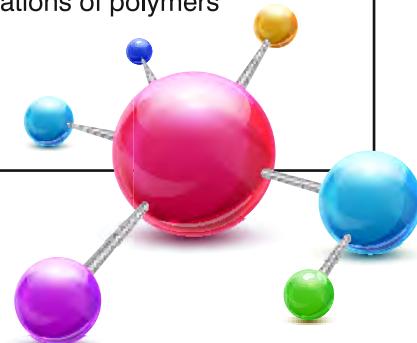
## BASICS OF POLYMERS - STRUCTURE, PROPERTY & ADVANCE APPLICATIONS

### DAY 1

**Session 1** - Plastics-All about the structure  
**Session 2** - Properties of Polymers & Applications (Commodity Polymers)  
**Session 3** - Properties of Polymers & Applications (Engineering Polymers)  
**Meet the faculty (Q&A)**

### DAY 2

**Session 4** - Co-relating Structure and Properties  
**Session 5** - Innovative applications of polymers  
**Hands on Experience**



#### FACULTY MEMBERS:

Dr. Anup K Ghosh  
 Dr. G. Mukhopadhyay  
 Mr. Mihir Banerjee

# MODULE II (24<sup>TH</sup> – 25<sup>TH</sup> MARCH, 2023)

## UNDERSTANDING PROCESSING OF POLYMER FOR BETTERMENT OF QUALITY

### DAY 1

**Session 1** - Understanding processing of polymers  
**Session 2** - Analysis of extrusion based processing operations  
**Session 3** - Analysis of moulding based processing operations  
**Meet the faculty (Q&A)**

### DAY 2

**Session 4** - Understanding – Rheology for better processibility  
**Session 5** - Performance Properties and Quality of product  
**Hands on Experience**



#### FACULTY MEMBERS:

Dr. Anup K Ghosh  
 Mr. Vijay Gupta  
 Mr. Kuldeep Mathur

# MODULE III (21<sup>ST</sup> - 22<sup>ND</sup> APRIL, 2023)

## ADVANCED CHARACTERIZATION

### DAY 1

**Session 1** - An advanced characterization tool for polymers  
**Session 2** - Chemical Characterization of Polymers by Fourier Transform Infrared Spectroscopy  
**Session 3** - Thermal Characterization of Polymers by Differential Scanning Calorimetry and Thermogravimetric analysis

### DAY 2

**Session 4** - Need for Rheology in Polymeric Materials, instruments and Measurements  
**Session 5** - Dynamic Mechanical Analysis & measurements  
**Session 6** - Rheological Techniques along with Tribology  
**Demo at Anton Paar Head office Gurgaon, Characterization Division**

#### FACULTY MEMBERS:

Dr. Anup K Ghosh  
 Dr. Sumit Singh  
 Mr. Mayank Varshney  
 Dr. Kartik Pondicherry  
 Prof Leena Nebhani

