



## **CIPET:INSTITUTE OF PLASTICS TECHNOLOGY (IPT) -KOCHI**

### **ANNUAL CALENDAR FOR REGULAR SHORT TERM COURSES 2019-20**



#### **CIPET : IPT - KOCHI**

( Department of Chemicals & Petrochemicals ,  
Ministry of Chemicals & Fertilizers,Govt.of India)

JNM campus, Eloor,

Udyogamandal P.O., Kochi – 683 501.

Tel : 0484 - 2555750, 2541750

Fax : 0484-2551740

Email : [cbpst2012@gmail.com](mailto:cbpst2012@gmail.com)

[cipetkochi@gmail.com](mailto:cipetkochi@gmail.com) [cbpst@cipet.gov.in](mailto:cbpst@cipet.gov.in)

Website : [www.cipet.gov.in](http://www.cipet.gov.in)

CIPET: IPT - Kochi, was established at Kochi in the year 2012. Central Institute of Plastics Engineering & Technology (CIPET) is an ISO-9001 Certified, NABL & NABCB Accredited Institute under Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers, Govt. of India. CIPET is established at 32 locations all over India.

CIPET caters needs of Plastics industry through Managerial and Supervisory manpower Training, Technical Services in the field of Design, Tooling, Processing and Testing. CIPET also renders Consultancy, Advisory and Development Services and other technical supports to Plastics industries. Specialized Short Term & Tailor Made Training Programmes are also organized for up-gradation of skills and competency of personnel from plastic industries and entrepreneurs.

CIPET: IPT-Kochi would be a model centre for Academic Programmes in Biopolymer Science & Technology and will also focus on promoting Bio plastics and allied industries. This centre would also extend technical guidance and advisory services to the existing industries and serve as an impetus for entrepreneurs for venturing into establishment of Bio-plastics based manufacturing industries.

CIPET: IPT-Kochi is having academic collaboration with CUSAT and the following Academic Programs are offered:

- Doctoral Programme in Material Science with Special Emphasis on Bio-Polymers
- Post Graduate Programme in Bio-Polymer Science (MSc.BPS) & Polymer Science (MSc.PS).
- Diploma in Plastics Technology (DPT)
- Diploma in Plastic Mould Technology (DPMT)

#### **FOR WHOM:**

Owners / Entrepreneurs / Managers / Supervisors / Sales & Marketing executives / Project & Process engineers/ Quality Assurance Engineers / Technical Personnel from Polymer / Plastics Processing Industries & Students from Colleges.

#### **COURSE FEES:**

Rs. 3000/- per participant from Industries + GST@18%

Rs. 2500/- per participant from Colleges + GST@18%

(Includes lunch, course material, accommodation etc.)

**Timings:** 10.00 AM to 5.00 PM

#### **VENUE:**

CIPET: IPT- KOCHI

Land mark: JNM campus,

Near to NCC office, Container Road, Eloor

#### **REGISTRATION:**

Through E-mail : [cipetkochi@gmail.com](mailto:cipetkochi@gmail.com)

[cipetsdp@gmail.com](mailto:cipetsdp@gmail.com)

Through WhatsApp : 8129150011,9847772875

#### **INTAKE CAPACITY:**

20 Participants per batch

#### **BASIS OF SELECTION:**

First come First serve basis

#### **MODE OF PAYMENT:**

Cash/NEFT/Demand Draft or At par Cheque drawn in favour of "CIPET: Institute of Plastics Technology -Kochi" payable at Kochi.

## 1. FDP ON RECENT TRENDS ON COMPOSITES MATERIALS

Duration : 01/08/2019 – 2/08/2019

Co-ordinator : Mr. Bharath K L  
Mob: 8073461972

**Contents :** Introduction to composites : Raw materials, properties & applications, FRP, Resin matrix, Filler and reinforcements, Ingredients molding compounds, Product manufacturing, fabrications, Testing & analysis of composite materials, Green composites & nano composites, Recent trends & future developments in composites.

## 2. RECENT TRENDS & DEVELOPMENTS IN BIOPLASTICS

Duration : 11/09/2018 – 14/09/2018

Co-ordinator : Dr. Dhanya K R  
Mob: 9846960634

**Contents:** Introduction to plastic materials, Introduction to Bioplastics, Applications of bioplastics-packaging-medical & processing, Testing of bioplastics.

## 3. PLASTICS MATERIALS : PROPERTIES, APPLICATIONS & TESTING

Duration : 03.10.2019- 04.10.2019

Co-ordinator : Mr. Suraj Varma  
Mob: 9847222183

**Contents:** Introduction to plastics materials, Thermoplastics & processing - Plastics processing, characterization & product testing - Specialty polymers, Introduction to bioplastics

## 4. PLASTIC MATERIALS FOR FOOD PACKAGING APPLICATIONS & ITS TESTING

Duration: 07.11.2019 -08.11.2019

Co-ordinator : Dr. Neetha John  
Mob: 7567317197

**Contents :** Introduction to Packaging, Plastics Packaging, Rigid packaging, Flexible packaging, Food packaging, Materials and grades, standards and specifications, Testing for packaging.

## 5. PLASTICS RECYCLING AND WASTE MANAGEMENT

Duration : 05.12.2019-06.12.2019

Co-ordinator : Miss. Gem George  
Mob: 9946290046

**Contents :** Introduction to plastic materials and their application - Plastic recycling and waste management – Identification of plastics - Source Segregation of plastics - Plastic recycling techniques – Machinery used for recycling - Plastic waste granulation using extrusion process - Bioplastics & application

## 6. MANUFACTURING OF BLOW MOULDED PRODUCTS & BLOWN FILM EXTRUSION

Duration: 02.01.2020 – 03.01.2020

Co-ordinator : Mr. V .N. Santhosh Kumar  
Mob: 8129497187

**Contents :** Introduction to blow moulding- Types of blow moulding – Stretch blow moulding, Extrusion blow moulding – Parison programming – Trouble shooting – Practical on extrusion blow moulding & stretch blow moulding. Introduction to extrusion – Types of extrusion – Trouble shooting – Practicals on blown film extrusion & Twin screw extruder.

## 7. PRODUCTION & QUALITY CONTROL OF PVC, HDPE & PPR PIPES

Duration : 06/02/2020 – 07/02/2020

Co-ordinator : Mr. Abin Davis  
Mob: 9037353637

**Contents:** Testing of PVC Pipes - Mechanical properties, Performance tests (impact, topload, migration etc) , HDPE Pipes - . Dimensions & Material requirements, Thermal & Mechanical properties, Hydrostatic pressure test, Migration, CBC tests, Reversion, Slow crack growth, Environmental test (ESCR) etc., .Testing of laterals, irrigation sprinklers, sprinkler pipes, Testing of PPR pipes (Mechanical & Thermal etc )

## 8. INJECTION MOULDING : THEORY, SETTING OF PARAMETERS & TROUBLE SHOOTING

Duration: 05/03/2020 – 06/03/2020

Co-ordinator : Mr. Bibin Paul  
Mob: 8714470013

**Contents :** Introduction to plastics materials and applications, Injection moulding theory, Settings of parameters and trouble shootings, Advancement in injection moulding process, Plastics products and mould design fundamentals.

## TAILOR MADE COURSES

Tailor-made courses will be conducted for the company participants at CIPET:IPT-Kochi or company premises.

Co-ordinator : **Mr. Libin Roberts**  
**Mr. Manoj C**

Mob. No. : **8129150011 , 9847772875**  
\*\*\*\*\*