

SHORT TERM COURSE

ANNUAL CALENDER

2024-2025



CIPET- CSTS (MADURAI)

Central Institute of Petrochemicals Engineering and Technology (CIPET), Centre for Skilling and Technical Support (CSTS) – A premier ISO 9001:2015 QMS certified, NABL, ISO/IEC 17025 accredited institution established under the Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers, Govt. of India, is devoted to “Skill Development, Technology Support Services, Academic and Research (STAR)” for the benefit of plastics and allied industries in the country.

CIPET: CSTS - Madurai is presently conducting three Long Term Courses i.e. Diploma in Plastics Mould Technology (DPMT), Diploma in Plastics Technology (DPT), Post Diploma in Plastics Mould Design with CAD/CAM(PD-PMD).

Also, short duration Skill Development Training Programmes (SDTP'S) in Plastics Processing / Injection Molding / Extrusion / CNC Milling / CNC Lathe etc. Also, our CAD Department is conducting specialized training on various CAD software's Auto-CAD/ Uni graphics / Creo / CATIA / Mold Flow etc.

Vocational Skill Development programs in the areas of Polymer Science & Technology. The State / Central Govt. agencies, leading PSUs like M/s Kudankulam Nuclear Power plant (KKNPP) A unit of NPCIL, Power Finance Corporation Ltd. (PFCL), REC, GAIL (India) Ltd., Coal India Ltd., IOCL, Hindustan Aeronautics Limited (HAL), Tata Steel, Mazagaon Dock Ship Builders Ltd., Tata Chemicals, SABIC etc.

TOOL ROOM DEPARTMENT

The Tool Room, at CIPET: CSTS - Madurai, is well equipped with both CNC machineries as well as the conventional machines to impart practical training to students on manufacturing of Moulds and manufacturing of standard mould bases.

The Tool Room at CIPET: CSTS - Madurai has expertise in machining Stainless Steel, Inconel 617, Super 304H, Haynes 230, Grade 91 & 92 Material, Tungsten Carbide, Nickel Alloy, Aluminium alloys and Teflon materials.

Apart from that, many Injection Moulds, Blow Moulds and Press Tools were successfully developed for various customers like Heavy Alloy Penetrator Project (HAPP), Ordnance Factory Trichy, Southern Railway, Tamil Nadu Newsprint Papers Limited (Unit-I & II), BHEL-WRI, Department of Atomic Energy, Aerospace Engineering Private Ltd, Noha Polymers, Vertrigro, etc.

CIPET: CSTS - Madurai undertakes the design and Development of Products for various applications. We also developed training kit and transparent moulds (acrylic) for study purpose.



CENTRAL INSTITUTE OF PETROCHEMICALS

ENGINEERING AND TECHNOLOGY (CIPET),

CENTRE FOR SKILLING AND TECHNICAL SUPPORT,

MADURAI - TAMILNADU

An ISO 9001 : 2015 certified institution

Address: Survey No. 489/1,

Near Periyar Samathuvapuram, Thiruvathavur,

Tamil Nadu - 625110

Website : www.cipet.gov.in

PROCESSING DEPARTMENT

The Plastics processing department of CIPET: CSTS - Madurai is well equipped with both the conventional processing machines as well as modern microprocessor-controlled processing machines and provides a broad range of practical training to students. The following customer services are provided by the processing department:

- ❖ Tailor made / Modular Training Programmes on the specific topics as per the requirement of Plastics industry.
- ❖ Organize Awareness / Orientation & Entrepreneurship Development Programmes (EDP) on "Plastics Processing Techniques".
- ❖ Consultancy & advisory services to the Plastics industries on "Trouble shooting of processing defects" and "Improvement in Productivity".
- ❖ Consultancy services to the new entrepreneurs on "Setting up of a Plastics processing industry".



DEPARTMENT OF TESTING & QUALITY CONTROL

The state-of-the-art CIPET: CSTS - Madurai Product Testing Laboratory (PTL), at Madurai, equipped with most modern machineries and equipment's, is considered as one of the best testing labs in Southern part of Tamil Nadu.

CIPET: CSTS - Madurai imparts hands on practical training to students on testing and quality control assignments viz plastics materials / products / composites testing / inspection.

CIPET: CSTS - Madurai Product Testing Laboratory (PTL) is recognized by Bureau of Indian Standards (BIS), accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL).



CAD/CAM DEPARTMENT

The Centre has excellent infrastructures on CAD/CAM/CAE Software's to organize high end design, Modeling, Product Development, Simulation and Analysis courses for various Engineering sectors. CAD Department is conducting specialized training on various CAD software's Auto-CAD/ Uni graphics / Creo / CATIA / Mold Flow etc.





CIPET; CSTS - Madurai

Short-Term Course - Annual Calender 2024-2025

Sl. No	Name of the Programme	Date of Commencement	Date of Completion	Course coordinator & Mobile No.
1	Hand on Training on Characterization Equipment- AAS	03.04.2024	04.04.2024	Dr. R. Nalini Mobile No : 7603970148
2	Plastics Product and Mould Development	10.04.2024	11.04.2024	Mr.P.Radhakrishnan Mobile No: 9941404804
3	Plastics Recycling Process and Quality Control	24.04.2024	25.04.2024	Mr. T. Nagarajan Mobile No : 9840512211
4	Optimization of cutting tools and cutting fluids for CNC Machine"	06.05.2024	07.05.2024	Mr. Nair Ajith Venugopal Mobile No : 8675428764
5	Training on testing of Conduit Pipes as per IS 14968	16.05.2024	17.05.2024	Mr.A.Alagu sudalai Mobile No : 7598281201
6	Plastic Waste Management	20.05.2024	25.05.2024	Mr. D.V. Saisurendra Mobile No: 9959333418
7	How to improve production efficiency of CNC Machine Tools	07.06.2024	07.06.2024	Mr. M. Veerakumar Mobile No: 9361287020
8	Training on testing of Conduit Pipes as per IS 9537	24.06.2024	25.06.2024	Dr. R. Nalini Mobile No : 7603970148
9	Fundamentals of Plastics Product Design	08.07.2024	12.07.2024	Mr.E.Sivakumar Mobile No : 8129497183
10	Exposure on CNC Machining Techniques	25.07.2024	26.07.2024	Mr. R. Veerapandian Mobile No: 8608799767
11	Testing and Quality Control of Petrochemical Products	05.08.2024	06.08.2024	Mrs.P. Abinayasri Mobile No : 7603970148
12	Hand on Training on Characterization Equipment- DSC & TGA	19.08.2024	20.08.2024	Mr.A.Alagu sudalai Mobile No : 7598281201
13	Principles of Injection Moulding process	09.09.2024	13.09.2024	Dr. L. Sivasubramanian Mobile No: 9964750087

Sl. No	Name of the Programme	Date of Commencement	Date of Completion	Course coordinator & Mobile No.
14	Plastics Recycling Process and Quality Control	23.09.2024	24.09.2024	Mr. T. Nagarajan Mobile No : 9840512211
15	Testing & Characterisation of Plastics	07.10.2024	08.10.2024	Dr. R. Nalini Mobile No : 7603970148
16	Exposure on Processing & CNC Machine Maintenance	21.10.2024	25.10.2024	Mr. V Kumar Mobile No : 8608243867
17	Industrial Orientation on Testing and Quality control of Plastic Products	04.11.2024	08.11.2024	Mrs.P. Abinayasri Mobile No : 7603970148
18	Hand on Training on Characterization Equipment- AAS	25.11.2024	26.11.2024	Mr.A.Alagu sudalai Mobile No : 7598281201
19	Plastics Product and Mould Development	09.12.2024	13.12.2024	Mr.P.Radhakrishnan Mobile No: 9941404804
20	Plastic Waste Management	23.12.2024	30.12.2024	Mr. D.V. Saisurendra Mobile No: 9959333418
21	How to improve production efficiency of CNC Machine Tools	06.01.2025	07.01.2025	Mr. M. Veerakumar Mobile No: 9361287020
22	Testing & Characterisation of Plastics	22.01.2025	29.01.2025	Dr. R. Nalini Mobile No : 7603970148
23	Principles of Injection Moulding process	03.02.2025	10.02.2025	Dr. L. Sivasubramanian Mobile No: 9964750087
24	Fundamentals of Plastics Product Design	18.02.2025	19.02.2025	Mr. B. Nijamudeen Mobile No: 8446048043
25	Workshop on CAD/CAM/CAE	03.03.2025	05.03.2025	Mr.R.Karthik Mobile No: 8870987332
26	Plastics recycling process and Waste Management	10.03.2025	17.03.2025	Mr. T. Nagarajan Mobile No : 9840512211
27	Injection moulding Process and Parameter Optimization	19.03.2025	26.03.2025	Mr. D.V. Saisurendra Mobile No: 9959333418