CIPET: IPT, Chennai, Govt.of India - Skill Development Training Programme in CAD/CAM/CAE

SI. No	Title of Course	Duration	Course Fee (Tax Extra-18%
A) JO	DB_ORIENTED_PROGRAMME ** (FULL TIME ONLY SI:No-01 & 02) (FULL TIME / PART TIME SI:No	o-03)	
01	Integrated Programme in Engineering Design Innovation (PDI) **  - (07 Software's with Expertise on Design & Analysis + Industry oriented Learning's + Practical's on Machine)  Engineering Graphics Practical + AutoCAD+ Any three CAD / CAM Software + Three CAE Software.  (M.E / B.E pass-out without current arrear and above 6.0 CGPA is must to join)  {Eligibility :- Mech / Auto / Aero / Polymer / Chem / Mfg / Prod / Mfg / Mechatro / Petrochem / Tool or Equivalent}	06 Months / 960 Hrs.	Rs. 80,000*
02	Master Programme in CAD / CAM / CAE (MPC) **  - (06 Software's + Industry oriented Learning's + Practical's on Machine)  Engineering Graphics Practical + AutoCAD + Any Three CAD / CAM Software + Any two CAE Software.  (DIPLOMA pass-out without current arrear and above 60% is must to join)  {Eligibility :- Mech / Auto / Polymer / Tool & Die / Prod / Mechatro / Mould / Plastics or Equivalent}	05 Months / 800 Hrs.	Rs. 65,000*
03	Master Programme in Plastics Product & Mould Design (MPM) ** - (03 Software's + Plastics Product & Mould Design Practical's +Industry oriented Learning's + Practical's on Machine) Engineering Graphics Practical + AutoCAD + UG-Nx & Mold Flow (B.E / DIPLOMA / ITI – Pass out) / Working Professional from Manufacturing allied sectors {Eligibility :- Mech / Auto / Polymer / Mould / Plastic / Tool & Die / Prod / Draughtsman or Equivalent}	04 Months / 640 Hrs.	Rs. 60,000*
B) S	PECIALIZED SKILL DEVELOPMENT PROGRAMME (NO FEES CONCESSION) (FULL TIME / PART	TIME)	
04	Advanced Certificate Course in Product Design (ACCP)  - AutoCAD + Any Two CAD / CAM / CAE Software + Classes on ( NPD Concepts, GD&T)  - {Eligibility:- M.E / B.E / DIPLOMA Pass out - Mech / Auto / Aero / Mfg. / Prod / Mechatro / Chem / Plastic or Equivalent}	600 Hours	Rs. 50,000
05	Advanced Certificate Course in Precision Manufacturing(ACPM)  - Nx (CAD/CAM Software) + CNC Milling + ANY ONE M/C (WEDM / EDM / LATHE)  {Eligibility :- B.E / DIPLOMA /ITI Pass out - Mech / Auto / Aero / Mfg. / Prod / Mechatro / Plastic / Tool & Die / Prod / Draughtsman or Equivalent }	320 Hours	Rs. 32,000
C) PF	ROGRAMME FOR CURRENT STUDENTS (# FEES CONCESSION: Group of 05 or above @10% & 10	or above @1	5% (PART TIME)
06	Advanced Studies on Product Development Using CAD/CAM/CAE (APDC) # - AutoCAD+ Any O2-CAD/CAM & 01-CAE or 01-CAD/CAM & 02-CAE Software + Machines Practical Engineering Graphics Practical + NPD Concepts {Eligibility:- B.E. / B.Tech 3 <sup>cd</sup> & 4 <sup>th</sup> Year / Diploma 3 <sup>cd</sup> Year — Mech./ Auto. / Aero./ Mechatro / Mfg. / Plastics or Equivalent}	720 Hours	Rs. 42,000
07	Certificate Course in Computer Aided Design & Drafting (CADD) # - Engineering Graphics Practical + AutoCAD + Any One CAD / CAM Software. {Eligibility :- B.E/B.Tech/Diploma / ITI - ANY CURRENT STUDENTS }	360 Hours	Rs. 28,000
08	CAE Using HYPERWORKS (or) ANSYS / CAE Using MOLDFLOW#	200 / 160 Hours	Rs. 14,000
D) PF	OGRAMME FOR WORKING PROFESSIONALS (NO FEES CONCESSION) - ( FULL TIME / PART TI		
09	PLASTICS PRODUCT DESIGN Using - CATIA / NX / CREO / SOLIDWORKS with GD&T	240 Hours	Rs. 28,000
10	CAD / CAM Using SOLID WORKS with MASTERCAM (or) UNIGRAPHICS (or) CREO (or) CATIA	200 Hours	Rs. 20,000
11	CAE Using HYPERWORKS (or) ANSYS / CAE Using MOLDFLOW	200/160 Hours	Rs. 18,000
E) E)	CLUSIVE FOR STUDENTS - INDUSTRIAL TRAINING / INTERNSHIP PROGRAMME		
12	Internship Training { Training on- Design Basics + Basics of 2D Design Software + Basics of 3D Modeling + Product Design Concepts + Design & Development + Manufacturing Process + Production Techniques + Product Inspection + Practical Demonstration}	04-Weeks / 160 Hrs. 02-Weeks / 80 Hrs.	Rs. 8,000 Rs. 4,000
**PL/ Chenr Theor Sl.No: Sl.No:	FEES Discount on Course Fee for the candidates having 7.5 CGPA or Equivalent in Percentage for SI. No. – 1 to 3 ACEMENT ASSISTANCE will be provided in various industries. Job opportunity will be given to perform in CIPET: I hai on Contract basis through manpower agency to get experience & exposure with applied conditions for eligible Y:=  01 - (a) NPD Concepts (b) GD&T (c) CNC (d) Plastics Product Design (e) RPT (f) DFMA & FMEA (g) Green Mani 02 - (a) NPD Concepts (b) GD&T (c) CNC (d) Metrology & Inspection  03 - (a) NPD Concepts (b) CNC (c) Metrology & Inspection (d) Plastics Product Design (e) Mould Design (f) Plasti	candidates. ufacturing <b>(h)</b> Pi	roduct Validation

#### COURSE HIGHLIGHT

✓ One Man - One Machine ✓ Flexible Class Timing ✓ Certificate Awarded By CIPET, Govt.of India

✓ Balanced Theory & Practical Classes ✓ New Product Development Concepts ✓ Personality Development Programme









# सिपेट : पेट्रोकेमिकल्स तकनीकी संस्थान (आई पी टी) CIPET: INSTITUTE OF PETROCHEMICALS TECHNOLOGY (IPT)



**Department of Chemicals & Petrochemicals,** Ministry of Chemicals & Fertilizers, Govt. of India, Guindy, Chennai-600 032.

# CAD/CAM/CAE CENTRE

# **CONTACT DETAILS**

THE PRINCIPAL DIRECTOR & HEAD,

CIPET: IPT,

T.V.K. INDUSTRIAL AREA, GUINDY, CHENNAI - 600 032.

Web Site: www.cipet.gov.in

**Contact No**: 044-22254701 Extn: 470 & 480

: 9943323347, 7598145203 Mobile

Whatsapp : 99-433-233-47

(08:00.A.M to 08:00.P.M)

**Email** : cadcamcae-chennai@cipet.gov.in

# **SCAN OR FOR DETAILS**

**COURSES / HOSTEL /PLACEMENT** 



# **FEES ONLINE PAYMENT**



## **REGISTRATION DETAILS:**

Direct Admissions On All Days - 9:00 A.M to 5:00 P.M.

Payment has to be made by Online Transaction / DD in the name of CIPET payable at CHENNAI.

\*Hostel facility available on Chargeable basis.



# FEW OF OUR RECRUITERS / ALUMNI are in:





























#### PLASTICS PRODUCT & MOULD DESIGN CONTENTS – for SI.No. 03 (MPM)

**Duration: 360 Hrs** 

Plastics Product Design: Review of Engineering Graphics Practice – Plastic Materials, Properties, Processing methods, Optimizing, Moulding Defects & Trouble Shooting, Product Design Features-Wall Thickness-Ribs-Bosses-Gussets-Undercuts-Draft-Holes-Threads-Structural Considerations, Stiffness, Impact, Design for Assembly, Press Fits, Snap Fit, Insert Moulding, Welding, Post Moulding process, Flow –gate & runner concepts, Important parameters and checklist of product design, Feasibility Report Preparation (DFM) Design of Injection Mould: Introduction- Mould classifications -Nomenclature and function of mould components - Mould Details - Design Steps and process -Cavity & Core Designing -Runner Systems -Gate Types - Ejector systems -Interlocks - Mould actions and Undercuts - Unscrewing Mould - Shrinkage of plastics in Mould - Design Plastic part Analysis - calculations in Mould design- Mould Design Practice. Concepts of various Moulds: Blow Mould Design - Compression Mould Design - Review on Extrusion Dies , Rotational Mould, Thermoforming and vacuum forming.

# PLASTICS PRODUCT DESIGN using CATIA / NX / CREO / SOLIDWORKS with GD&T- (for Sl.No. 9)

Duration: 240 Hrs Fee: Rs. 28,000/- + Tax @18%

Plastic Product Design: Plastic Materials, Properties, Processing methods, Optimizing, Moulding Defects & Trouble Shooting, Product Design Features-Wall Thickness-Ribs-Bosses-Gussets-Undercuts-Draft-Holes-Threads-Structural Considerations, Stiffness, Impact, Design for Assembly, Press Fits, Snap Fit, Insert Moulding, Welding, Post Moulding process, Flow—gate & runner concepts, Important parameters and checklist of product design, Feasibility Report Preparation (DFMA), GD & T: Limits, Fits & Allowances, Tolerances, GD & T Basis Symbols, Datum Featrues, Material Condition & Size Control Form

#### CAD/CAM USING SOLIDWORKS with MASTERCAM

Duration: 200 Hrs Fee: Rs. 20,000/- + Tax @18%

Modeling: Introduction, Pull down menus, 2D sketching, Part Modeling, Constructing Features, Editing Features, Symmetry & Drafting, Patterning, Revolved Features, Shelling & Ribs, Multi-Body Design Techniques, 3D sketching, Library features, Boundary features, Advanced modeling features. Surface Modeling: Hybrid modeling, Repairing and Editing, Blends & patches, Advanced Surface modeling. Drafting: Generative and Interactive Drafting, Stages, Annotations, Dimensioning, Detailing Techniques, Performance and Display. Assembly Design: Top-Up, Bottom-Up, Degrees of Freedom, Advance Mate Techniques, Editing Methods, Large Assemblies, Facility Layout, BOM, Tables. Sheet Metal: Basic flange Features, Sheet metal Techniques, Multi body Sheet parts, Converting to sheet, forming tool and gussets, Table making.

MASTERCAM Contents: Introduction to MASTERCAM ,Product Introduction, Basic concepts of CAM (cutters, machines job setup, etc) ,Creating 2D drawings, Creating 2D tool paths, Creating 3D models (Solid & Surface) Creating 3D tool paths, Creating 2D Drawings, Line, Arc, Rectangle, Fillet, Chamfer, Point, Polygon, Rectangle shapes, XForm, Trim, Break, Drafting , Analyzing. Creating 2D Tool paths , Pocket, Contour, Facing, Drilling, Transforming 2D tool paths(Translate ,Rotate, Mirror), Hole milling, slot milling and helical milling tool paths, Back plot, Verification, Post processing. Creating 3D Models , Extrude, Revolve ,Fillet, Chamfer, Sweep, Thicken, Ruled, Boolean operations(Add, Subtract, Common), Converting Solid to Surface , Surface to Solid, Surface modeling tools (Ruled, Extrude ,net, fence, trim, split, removing boundary, fill, holes, flat boundary) Creating 3D Tool paths , boundary box, Orientation, Analyzing, cutting methods Back plot, Verification, Gouge checking, Post–processing & Editing.

### **CAD/CAM USING UNIGRAPHICS-NX**

Duration: 200 Hrs Fee: Rs. 20,000/- + Tax @18%

Modeling: Sketch, Curve, Curve Operations, Form Feature, Feature Operation, Transform. Assembly: Assembly of Components, Exploded Views, Sequencing, Context Control and Cloning and Component arrays editing, Top Down Assembly. Drafting: Dwg sheets, Views, Dimensioning, Annotations, Symbols, Tab-note & Part list. Direct Modeling, Free form feature: Sheets from points, Making sheets from variable cross sections, Bridging, Offsetting, Filleting & Trimming sheet Sheet Metal feature: Tab, Flange, Break corner, closed corner, Normal cutout, Jog, Bend, Dimple, Bead, Unbend, Rebend, Edge rib, flat solid. Manufacturing: Model Creation, Tool Selection, Geometry Definition, Machining Methods, Planer Milling & Contour milling Operations & Post Processing.

#### **CAD/CAM USING CREO**

Duration: 200 Hrs Fee: Rs. 20,000/- + Tax @18%

Part Modeling: Introduction, Sketch, Base features, Datum features, sections in sketch based features, Edit feature, Engineering features, Construction features, Advanced features, Tweak feature, UDFs & Group, Relation & family Table, Resolving feature failures Creo/Assembly: Creating Assemblies, placing, patterning, packaging, freeform Manipulation of components, Top Down Assemblies, view. Creo/Detail: Drafting basics, creating a Drawing with Model views, Dimensioning & Detailing, Tables & BOM Balloons Creo/Surface: Creat Surface Feature, Trimming Quilts, Flattening & Bending, Creating Solid Geometry - Quilt, Freeform Surfaces, Boundary, Conic surface & N-sided patch, style Creo/Sheet metal: Introduction creates conversion, wall and Rib, cut, form, flatten form, notch punch, and bend, unbend, bend back, corner relief, deform, edge bend. Creo/NC: Manufacturing Process & Parameters, Tooling, NC sequence-Milling & Lathe-turning, CL Data, NC sequence Definition. Creation of CL Data File. NC Post Processing.

#### **CAD/CAM USING CATIA**

Duration: 200 Hrs Fee: Rs. 20,000/- + Tax @18%

Modeling: Introduction to GUI, Sketcher, Constraints, Sketch-based features, Dress up features, Transformation features, associating bodies with Boolean Operations, Reference Elements, Modifying features. Assembly Design: Creating assembly, Manipulating components in assembly, Assembly constraints, Exploded view, Clash checking, Assembly features, Scene creation, Using Mechanical Standard parts, Top Down Assembly. Drafting: Generative Drafting, Interactive Drafting, Creating Views, Sections, BOM Surface Design: Wire frame geometry creation, Basic surface, Operations on surface, advanced surface, Surface based features in Part design, Power copy, Close volume. Sheet metal: Sheet Metal Parameters, Creating the side walls, Cutout, Automatic bends. Kinematics: Mechanical System Design, Mechanism representation, Mechanic player, Engineering Connection definition. Mold Design: Core - Cavity separation, Basic mold design. Manufacturing: Basic Tasks, Part operations, Programs & Processes, Managing Manufacturing Entities, Verification, Simulation and NC Code generation.

#### **CAE USING HYPERWORKS**

Duration: 200 Hrs Fee: Rs. 18,000/- + Tax @18%

Hyper mesh: Basic modeling, Geometry cleanup, organizing the model with collectors, extracting mid surfaces & simplifying, Selecting the user Profiles, Project, Numbering, Mask, Normals, Interactive surface meshing, Element density, Algorithms, Checking element quality. Introduction to solid meshing: Solid panels, Drag, spin, Line drag, Element offset, Linear solid. Optistruct- Linear Static Analysis, Thermal Analysis, Modal Analysis, Harmonic Analysis, Inertia Relief Analysis. Optimization- Topology, optimization for solid problems, Optimization for stress problems. Hypermorph- Morph volumes, Morph to geometry, Freehand morph, Morph options Hypergraph, hyperview, Batch mesher.

#### **CAE USING ANSYS**

Duration: 200 Hrs Fee: Rs. 18,000/- + Tax @18%

Introduction to FEA & ANSYS: GUI, Basics & general analysis procedure. Modeling: Creating Solid model, Finite element modeling and importing models, Select Entities Component manager, Space claim, Geometry Clean up. Meshing: Quad and Tetrahedron mesh, Volumes, Areas, Line meshing. Free and mapped meshing, Check mesh. Structural Analysis: Static, Modal, Harmonic, Spectrum, p-method, Nonlinear & Transient analysis. Thermal Analysis: Steady state thermal analysis, Transient Thermal. Rigid Body Dynamics: Joint Loads, Types of Joints, Remote Displacement. Explicity Dynamics: Impact Analysis, Rigid and Flexible analysis. ANSYS Workbench: Simulation, CFX Mesh, CFX fluent, Engg Datasheet & FE modeler.

#### CAE USING MOLDFLOW

Duration: 160 Hrs Fee: Rs. 18,000/- + Tax @18%

Introduction to CAE: Basics of Plastics Product Design, Mold flow Modeling, Mesh Creation, Mesh Checking, Surface repair tools, Creating Feed system & Cooling System. Meshing Tools: Create node, curves, regions, move/copy, nodal mesh tools, edge mesh tools Mid plane 3D Solid. Analysis: Gate location, Fill, Flow, Cool, Pack, Warp, Shrinkage, molding window, Case Study.

#### AutoCAD

AutoCAD: Introduction, industrial application, interface, coordinate system, Introduction to drafting, curve creation, use of functional key, Utilization of Layer, block, W block, attribute edit, text Creation methods, UCS movement, 3d visualization, photo, realistic rendering, Print Setup, Tool Bars – Standard, Draw, Modify, Dimension, Layers, Properties.

# ONLINE MODE TRANSACTION DETAILS (GPAY, NEFT, IMPS, UPI)

Bank Name : CANARA BANK
Account Number : 120027749915
IFSC Code : CNRB0000909
Branch : GUINDY, CHENNAI.

Account Name : CIPET IPT

# **ADMISSION PROCEDURE**

## Submit copies (02 Nos.) of the following:

- 1.) Aadhaar Card
- 2.) Course Completion Certificate
- 3.) Overall / Past Year Mark Sheet
- 4.) Passport & Stamp Size Photo

CIPET: IPT. Chennai, Goyt of India - Skill Development Training Programme in CAD/CAM/CAE

SI. No	Title of Course	Duration	Course Fee (Tax Extra-18%
4) J	OB ORIENTED PROGRAMME ** (FULL TIME ONLY SI:No-01 & 02) (FULL TIME / PART TIME SI:No	o- <b>0</b> 3)	
01	Integrated Programme in Engineering Design Innovation (PDI) **  - (07 Software's with Expertise on Design & Analysis + Industry oriented Learning's + Practical's on Machine)  Engineering Graphics Practical + AutoCAD+ Any three CAD / CAM Software + Three CAE Software.  (M.E / B.E pass-out without current arrear and above 6.0 CGPA is must to join)  {Eligibility :- Mech / Auto / Aero / Polymer / Chem / Mfg / Prod / Mfg / Mechatro / Petrochem / Tool or Equivalent}	06 Months / 960 Hrs.	Rs. 80,000*
02	Master Programme in CAD / CAM / CAE (MPC) **  - (06 Software's + Industry oriented Learning's + Practical's on Machine)  Engineering Graphics Practical + AutoCAD + Any Three CAD / CAM Software + Any two CAE Software.  (DIPLOMA pass-out without current arrear and above 60% is must to join)  {Eligibility: - Mech / Auto / Polymer / Tool & Die / Prod / Mechatro / Mould / Plastics or Equivalent}	05 Months / 800 Hrs.	Rs. 65,000*
03	Master Programme in Plastics Product & Mould Design (MPM) ** - (03 Software's + Plastics Product & Mould Design Practical's +Industry oriented Learning's + Practical's on Machine) Engineering Graphics Practical + AutoCAD + UG-Nx & Mold Flow (B.E / DIPLOMA / ITI – Pass out) / Working Professional from Manufacturing allied sectors {Eligibility :- Mech / Auto / Polymer / Mould / Plastic / Tool & Die / Prod / Draughtsman or Equivalent}	04 Months / 640 Hrs.	Rs. 60,000*
B) S	SPECIALIZED SKILL DEVELOPMENT PROGRAMME (NO FEES CONCESSION) (FULL TIME / PART	TIME)	
04	Advanced Certificate Course in Product Design (ACCP) - AutoCAD + Any Two CAD / CAM / CAE Software + Classes on ( NPD Concepts, GD&T) {Eligibility:- M.E / B.E / DIPLOMA Pass out - Mech / Auto / Aero / Mfg. / Prod / Mechatro / Chem / Plastic or Equivalent}	600 Hours	Rs. 50,000
05	Advanced Certificate Course in Precision Manufacturing(ACPM) - Nx (CAD/CAM Software) + CNC Milling + ANY ONE M/C (WEDM / EDM / LATHE) {Eligibility :- B.E / DIPLOMA /ITI Pass out - Mech / Auto / Aero / Mfg. / Prod / Mechatro / Plastic / Tool & Die / Prod / Draughtsman or Equivalent }	320 Hours	Rs. 32,000
	ROGRAMME FOR CURRENT STUDENTS (# FEES CONCESSION: Group of 05 or above @10% & 10	or above @1	5% (PART TIME
C) P	· · · · · · · · · · · · · · · · · · ·	· ·	•
<b>C) P</b> 06	Advanced Studies on Product Development Using CAD/CAM/CAE (APDC) #  - AutoCAD+ Any 02-CAD/CAM & 01-CAE or 01-CAD/CAM & 02-CAE Software + Machines Practical Engineering Graphics Practical + NPD Concepts  {Eligibility:- B.E. / B.Tech 3 <sup>rd</sup> & 4 <sup>rd</sup> Year / Diploma 3 <sup>rd</sup> Year – Mech./ Auto. / Aero./ Mechatro / Mfg. / Plastics or Equivalent}	720 Hours	Rs. 42,000
<u></u>	- AutoCAD+ Any 02-CAD/CAM & 01-CAE or 01-CAD/CAM & 02-CAE Software + Machines Practical Engineering Graphics Practical + NPD Concepts		Rs. 42,000
06	- AutoCAD+ Any 02-CAD/CAM & 01-CAE or 01-CAD/CAM & 02-CAE Software + Machines Practical Engineering Graphics Practical + NPD Concepts {Eligibility:- B.E. / B.Tech 3 <sup>rd</sup> & 4 <sup>rd</sup> Year / Diploma 3 <sup>rd</sup> Year – Mech./ Auto. / Aero./ Mechatro / Mfg. / Plastics or Equivalent}  Certificate Course in Computer Aided Design & Drafting (CADD) # - Engineering Graphics Practical + AutoCAD + Any One CAD / CAM Software.	360 Hours 200 / 160	
06	- AutoCAD+ Any 02-CAD/CAM & 01-CAE or 01-CAD/CAM & 02-CAE Software + Machines Practical Engineering Graphics Practical + NPD Concepts {Eligibility:- B.E. / B.Tech 3 <sup>rd</sup> & 4 <sup>th</sup> Year / Diploma 3 <sup>rd</sup> Year – Mech. / Auto. / Aero. / Mechatro / Mfg. / Plastics or Equivalent}  Certificate Course in Computer Aided Design & Drafting (CADD) # - Engineering Graphics Practical + AutoCAD + Any One CAD / CAM Software. {Eligibility:- B.E. / B.Tech / Diploma / ITI - ANY CURRENT STUDENTS }	360 Hours 200 / 160 Hours	Rs. 28,000
)6 07 08	- AutoCAD+ Any 02-CAD/CAM & 01-CAE or 01-CAD/CAM & 02-CAE Software + Machines Practical Engineering Graphics Practical + NPD Concepts {Eligibility:- B.E. / B.Tech 3 <sup>rd</sup> & 4 <sup>rd</sup> Year / Diploma 3 <sup>rd</sup> Year – Mech./ Auto. / Aero./ Mechatro / Mfg. / Plastics or Equivalent}  Certificate Course in Computer Aided Design & Drafting (CADD) # - Engineering Graphics Practical + AutoCAD + Any One CAD / CAM Software. {Eligibility:- B.E/B.Tech/Diploma / ITI - ANY CURRENT STUDENTS }  CAE Using HYPERWORKS (or) ANSYS / CAE Using MOLDFLOW #	360 Hours 200 / 160 Hours	Rs. 28,000
06 07 08 09	- AutoCAD+ Any 02-CAD/CAM & 01-CAE or 01-CAD/CAM & 02-CAE Software + Machines Practical Engineering Graphics Practical + NPD Concepts {Eligibility:- B.E. / B.Tech 3 <sup>rd</sup> & 4 <sup>rd</sup> Year / Diploma 3 <sup>rd</sup> Year – Mech. / Auto. / Aero. / Mechatro / Mfg. / Plastics or Equivalent}  Certificate Course in Computer Aided Design & Drafting (CADD) # - Engineering Graphics Practical + AutoCAD + Any One CAD / CAM Software. {Eligibility:- B.E. / B.Tech / Diploma / ITI - ANY CURRENT STUDENTS }  CAE Using HYPERWORKS (or) ANSYS / CAE Using MOLDFLOW #  ROGRAMME FOR WORKING PROFESSIONALS (NO FEES CONCESSION) - (FULL TIME / PART TI	Hours  360 Hours  200 / 160 Hours  ME)	Rs. 28,000 Rs. 14,000
) P ) P ) D	- AutoCAD+ Any 02-CAD/CAM & 01-CAE or 01-CAD/CAM & 02-CAE Software + Machines Practical Engineering Graphics Practical + NPD Concepts {Eligibility:- B.E. / B.Tech 3 <sup>rd</sup> & 4 <sup>th</sup> Year / Diploma 3 <sup>rd</sup> Year – Mech. / Auto. / Aero. / Mechatro / Mfg. / Plastics or Equivalent}  Certificate Course in Computer Aided Design & Drafting (CADD) # - Engineering Graphics Practical + AutoCAD + Any One CAD / CAM Software. {Eligibility:- B.E. / B.Tech / Diploma / ITI - ANY CURRENT STUDENTS }  CAE Using HYPERWORKS (or) ANSYS / CAE Using MOLDFLOW #  ROGRAMME FOR WORKING PROFESSIONALS (NO FEES CONCESSION) - (FULL TIME / PART TIPLASTICS PRODUCT DESIGN Using - CATIA / NX / CREO / SOLIDWORKS with GD&T	360 Hours 200 / 160 Hours  ME) 240 Hours	Rs. 28,000 Rs. 14,000 Rs. 28,000
)) P 09 10	- AutoCAD+ Any 02-CAD/CAM & 01-CAE or 01-CAD/CAM & 02-CAE Software + Machines Practical Engineering Graphics Practical + NPD Concepts {Eligibility:- B.E. / B.Tech 3 <sup>rd</sup> & 4 <sup>rd</sup> Year / Diploma 3 <sup>rd</sup> Year – Mech./ Auto. / Aero./ Mechatro / Mfg. / Plastics or Equivalent}  Certificate Course in Computer Aided Design & Drafting (CADD) # - Engineering Graphics Practical + AutoCAD + Any One CAD / CAM Software. {Eligibility:- B.E./ B.Tech/ Diploma / ITI - ANY CURRENT STUDENTS }  CAE Using HYPERWORKS (or) ANSYS / CAE Using MOLDFLOW #  ROGRAMME FOR WORKING PROFESSIONALS (NO FEES CONCESSION) - (FULL TIME / PART TI PLASTICS PRODUCT DESIGN Using - CATIA / NX / CREO / SOLIDWORKS with GD&T  CAD / CAM Using SOLID WORKS with MASTERCAM (or) UNIGRAPHICS (or) CREO (or) CATIA	Hours  360 Hours  200 / 160 Hours  ME)  240 Hours  200 Hours	Rs. 28,000 Rs. 14,000 Rs. 28,000 Rs. 20,000

<sup>\*\*</sup>PLACEMENT ASSISTANCE will be provided in various industries. Job opportunity will be given to perform in CIPET: IPT — Chennai on Contract basis through manpower agency to get experience & exposure with applied conditions for eligible candidates. Theory :-

SI.No: 01 - (a) NPD Concepts (b) GD&T (c) CNC (d) Plastics Product Design (e) RPT (f) DFMA & FMEA (g) Green Manufacturing (h) Product Validation

SI.No: 02 - (a) NPD Concepts (b) GD&T (c) CNC (d) Metrology & Inspection
SI.No: 03 - (a) NPD Concepts (b) CNC (c) Metrology & Inspection (d) Plastics Product Design (e) Mould Design (f) Plastics Materials