

## SCHEDULE OF SHORT TERM COURSES FROM APRIL 2009 TO MARCH 2010

### CAD/CAM COURSES

S.NO	Name of the course	Starting dates	Duration	Timings	Intake	Fee	Brief Contents	Eligibility
1.	Computer Aided Drafting (Sunday Session)	April, June, August, October, December, Feb 10	60 Hours	9.00 AM to 5.00PM Sunday only	10-12	Rs.4,000/-	Creating and Editing objects, Layers, Line Types, Dimensioning, Layout, 3-dimensional CAD, Exercised based practice.	Degree/ Diploma/ ITI/ Mech.Trades or 10 <sup>TH</sup>
2.	Computer Aided Drafting (Regular Session)	Every Month	60 Hours	9.00 AM to 5.00PM	10-12	Rs.4,000/-	Same as above	- do -
3.	Integrated CAD/CAM Pro-E (Sunday Session)	May, August, December, Feb 10	120 Hours	9.00 AM-5.00PM Sunday only	08-10	Rs.10,000/-	Fundamentals, Sketcher, Modeling, Pro-surface, Assembly, Machining, Exercised based practice	Degree/ Diploma/ ITI, Mech.Trades
4.	Integrated CAD/CAM Pro-E (Regular Session)	Every Month	120 Hours	9.00 AM-5.00PM	08-10	Rs.10,000/-	Same as above	- do -
5	Integrated CAD/CAM Solid works(Regular Session)	Every Month	80 Hours	9.00 AM-5.00PM	08-10	Rs.7,000/-	Sketcher, Part Modeling, Advance Part Modeling, Surfacing, Assembly, Exercised based practice	- do -
6	Integrated CAD/CAM Master CAM(Regular Session)	Every Month	60 Hours	9.00 AM-5.00PM	08-10	Rs.6,000/-	Sketcher, Part Modeling, Modeling Surfacing, Manufacturing, Exercised based practice	- do -
7	Integrated CAD/CAM NX/Unigraphics	Every Month	120 Hours	9.00 AM-5.00PM	08-10	Rs.12,000/-	Sketcher, Part Modeling, Advance Part Modeling Surfacing, Assembly, Drafting, Manufacturing and Simulation , Exercised based practice	- do -
8	Integrated CAD/CAM Catia	Every Month/	120 Hours	9.00 AM-5.00PM	08-10	Rs.10,000/-	Sketcher, Modeling, Surfacing, Assembly, , Machining , Exercised based practice	- do -

### CNC MACHINE COURSES

9.	CNC Turning	Every Month	03 Months* 02 Months	11.00AM-5.00PM 11.00AM-5.00PM	06 06	Rs.30,000/- Rs 25,000/-	Fundamentals and basics of CNC Turning using machine controls e.g. Haidenhein, Sinumeric and Fanuc, Practical on machines	- do -
10.	CNC Milling	Every Month	03 Months* 02 Months	11.00AM-5.00PM 11.00AM-5.00PM	06 06	Rs.30,000/- Rs 25,000/-	Fundamentals and basics of CNC Milling using machine controls e.g. Haidenhein, Sinumeric and Fanuc, Practical on machines	- do -
11.	CNC Wire Cut	Every Month	One Month	11.00AM-5.00PM	06	Rs.10,000/-	Fundamentals and basics of CNC Wire Cut using Elapt machine control, Practical on machine.	- do -
12.	Certificate Course in Advance CAD/CAM & CNC Machines	April, June, August, October, December & Feb, 10	17 weeks	9.00AM-5.00PM	10	Rs.30,000/-	Computer Aided Drafting , Pro-E , Solid works, Master CAM , 'I'deas , Programming of CNC Turning, CNC Milling, CNC Wire Cut and practical exposure on these machines	- do -
13.	Post Diploma in CAD/CAM	19th April 09 14th September 09	One Year One Year	7.00AM-1.00PM 2.00PM-8.00PM	20	Rs.60,000/-	Manufacturing Processes, Computer Aided Drafting , Pro-E , Solid works, Master CAM , 'I'deas , Catia, Programming of CNC Turning, CNC Milling, CNC Wire Cut and practical on these machines.	Degree /Diploma Mech.Trades
14.	CNC Programming & Machining	May 09 and December 09	03 weeks	2.00PM-6.00PM	10	Rs.7,500/-	Programming and working operations of CNC Turning, CNC Milling, CNC Wire Cut and practical exposure on these machines	Degree/ Diploma/ ITI, Mech.Trades or experienced persons working in line

**TOOL & DIE RELATED COURSES**

15	Condensed Course in Tool & Die Making	May 09 Dec 09	One year	Full Time	20	Rs.100000/-	Prospectus available	10 <sup>th</sup> Pass
16	Post Diploma In Computer Aided Tool Engineering	March 2010	One year	6.00 PM to 8.00PM	10	Rs.30,000/-	Computer Aided Drafting, Press Tools Design, Plastic Mould Design ,Jigs & Fixture Design and Advance CAD Modelling.	Diploma/Degree Mech.Trades
17	Certificate Course In Computer Aided Tool Design	March 2010	One year	6.00 PM to 8.00PM	10	Rs.20,000/-	Computer Aided Drafting, Press Tools Design, Plastic Mould Design ,Jigs & Fixture Design and Basic CAD Modelling	ITI/10 <sup>th</sup> with 5 years industrial experience
18	Heat Treatment of Plain Carbon Steels	April 20 to April 24	20 hours	9.30AM-1.30 PM	12-15	Rs.1,000/-	Fundamentals of Heat Treatment of Plain Carbon steels, Practical Demonstration	Persons working in relevant industries with some experience
19	Press Tool Design –I	May18 to May 22	20 hours	9.30AM-1.30 PM	12-15	Rs.1,000/-	Press tool operations. pitch controlling methods. Designing of progressive tools.	- do -
20	Case Hardening of Low carbon, Plain and Alloy steels	June 15 to June19	20 hours	9.30AM-1.30 PM	12-15	Rs.1,000/-	Fundamentals of Heat Treatment of Case Hardening steels, Practical Demonstration	- do -
21	Plastic Injection Moulding Theory & Practice	July 13to July 17	30 hours	10.00AM-4.00 PM	12-15	Rs.2,000/-	Fundamentals of Injection Molding, and Practical Demonstration on machine	- do -
22	Press Tool Design-II	August 17 to August 21	20 hours	9.30AM-1.30 PM	12-15	Rs.1,000/-	Fundamentals of compound and Bending tools. Designing of compound tools.	- do -
23.	Grinding & Resharpener of Cutting Tools	September 14 to September 18	20 hours	9.30AM-1.30 PM	12-15	Rs.1,000/-	Tool Geometry, Resharpener of single multi point cutting tools Practical Demo.	- do -
24.	Preventive Maintenance	October 12 to October 16	20 hours	9.30AM-1.30 PM	12-15	Rs.1,000/-	Purpose of Preventive Maintenance, selection of lubricants, check lists	- do -
25.	Basic and Advance Engg. Measurement	November16- November20	20 hours	9.30AM-1.30 PM	12-15	Rs.1,000/-	Basic hole & basic shaft systems, Important measuring rules, Types of errors etc.	- do -
26.	Inspection Gauge Design and Making	December 14 to December 18	20 hours	9.30AM-1.30 PM	12-15	Rs.1,000/-	Engineering limits and fits ,Plain limit gauges and other types. Gauge materials etc.	- do -
27.	Jigs & Fixtures Design and Making	Jan.20 to Jan. 24 (2010)	20 hours	9.30AM-1.30 PM	12-15	Rs.1,000/-	Jigs and fixtures. Locating systems and clamping devices etc., Practical Demo.	- do -
28.	Basics of Pneumatics and Hydraulic	May 09 & Dec. 09	30 Hours	5.30PM-8.30 PM	12-15	Rs2,000/-	Basics of Pneumatic and Hydraulic, Practical Demonstration	- do -
29.	Rapid Prototyping	Every Month	One WEEK	9.30AM-12.30PM	20	2000/-	Introduction, Types of RP Technologies ,Rapid Tooling, Vacuum Casting, Applications.	ITI, Diploma/Degree Mech.Trades

**SKILL DEVELOPMENT COURSES**

30.	Machinist	06.7.09 11.01.10	Six Months	4.00PM-10.00PM	20	Rs.30,000	Engg Drg.,Measurement,Workshop Tech.Workshop Practice,Practical on Lathe Machine,Milling Machine& Grinding Machine.	10 <sup>th</sup> Pass
31.	Turner	April,July,Oct. &Jan.2010	Three Months	4.00PM-10.00PM	20	Rs.15000	Engg Drg.,Measurement,Workshop Tech.Workshop Practice. Practical on Lathe Machine	10 <sup>th</sup> Pass
32.	Fitter	April,July,Oct. &Jan.2010	Three Months	4.00PM-10.00PM	20	Rs.15,000	Engg Drg.,Measurement,Workshop Tech. Fitting Shop Practice.	10 <sup>th</sup> Pass
33.	Computer Hardware & Net Working	25.5.09,3.8.09,12.10.09 21.12.09, 1.3.10	Two Months	2.00PM-6.00PM	10-12	Rs.5,000	Computer Hardware, Assembly of Computer, Installation of Operating Software& Application Software, LAN & its components.	10 <sup>th</sup> Pass
34.	Press Machine Operator	Every Month	2 weeks	9.30AM-1.30PM	20	Rs.2,000	Introduction to Machine& its parts. Press Operations, Type of Presses. Practical on Press Machine.	8 <sup>th</sup> Pass
35.	Injection Moulding Machine Operator	Every Month	3 weeks	9.30AM-1.30PM	20	Rs.2,000	Introduction to Machine& its parts. Different Types of Moulds, Moulding Material. Practical on Injection Moulding Machine.	8 <sup>th</sup> Pass
36.	Electrician (Basic)	Every Month	3 weeks	2.00PM-6.00PM	20	Rs.2,000	Electric Wiring, Electrical Testing Equipment A.C-D.C Voltage, Types of Electrical Motors, Distribution System & Safety Rules. On the job Training.	8 <sup>th</sup> Pass
37.	Welder ( Basic)	Every Month	3 weeks	2.00PM-6.00PM	20	Rs.2,000	Types of Welding e.g. Arc Welding& Gas Welding, Selection of Electrodes, Gas Cutting, Safety Precautions & Welding Practice	8 <sup>th</sup> Pass
38.	Grinding Machine Operator	Every Month	6 weeks	9.30AM-1.30PM	20	Rs.4,000	Introduction to Machine& its parts. Grinding Wheel shapes & Types& Specifications. Practical Grinding Machine.	8 <sup>th</sup> Pass

**PERSONAL MANAGEMENT COURSES**

39.	Workshop Management	April, July, Oct & Jan 2010	Three Months	6.00 PM-8.00 PM	16	Rs 10,000	Personal Management, Role of Supervisor, Labour laws, Leadership, Taxes, Role of Manger, Time Management Skills etc.	12 <sup>th</sup> Pass
40.	Soft Skill Development	Every Month	One Month	4.00 PM-7.00PM	10	Rs. 2500	Personality its types, Conversation, Behaviour, Attitude & Ethics, MS Office	12 <sup>th</sup> Pass
41.	Development of Supervisory Skills	Every Month	One Month	4.00PM-6.00 PM	10	Rs. 2500	Office Procedure, Letter Writing, House Keeping, Labour laws, pollution Control Board.	12 <sup>th</sup> Pass
42.	Accounting Skills for MSMEs	Every Month	One Month	3.00 PM-6.00 PM	10	Rs. 5000	Trading Account, Balance Sheet, Loss & Profit Account, Audit, VAT, Income Tax .	12 <sup>th</sup> Pass
43.	Office Automation	Every Month	Two Weeks	3.00 PM -6.00 PM	10	Rs. 2000	MS Word, Excel, Power Point, Reception Office.	10 <sup>th</sup> Pass

**EXTENSION CENTRE-1 MSME DI PARTAP CHOWK LUDHIANA**

44.	Certificate Course in Advance CAD/CAM & CNC Machines	April, June, August, October, December & Feb, 10	17 weeks	9.00AM-5.00PM	10	Rs.30,000/-	Computer Aided Drafting , Pro-E , Solid works, Master CAM , 'I'deas , Programming of CNC Turning, CNC Milling, CNC Wire Cut and practical exposure on these machines.	Degree/ Diploma/ ITI in Mech.Trades
45.	Post Diploma in CAD/CAM	14th September 09	One Year One Year	7. 00AM-1.00PM 2.00PM-8.00PM	20	Rs.60,000/-	Manufacturing Processes,Computer Aided Drafting , Pro-E , Solid works, Master CAM , 'I'deas ,Catia, Programming of CNC Turning, CNC Milling, CNC Wire Cut and practical on these machines	Degree /Diploma in Mech.Trades
46.	Master Certificate Course in CAD/CAM	April 09 October 09	One Year	10. 00AM-4.00PM	20	Rs.80,000/-	Press Tool Design Plastic Mold Design Rapid Prototyping Management & Entrepreneurship AutoCAD,Solid Works,Pro-Engineers, Unigraphics, CATIA, Femap & NX Nastran. CNC Lathe CNC Milling	Degree in Mech.Trades

**EXTENSION CENTRE-II MSME, TDC (PPDC) DIGIANA JAMMU**

47.	Computer Aided Drafting (Sunday Session)	April09 July09, October09, January 2010	80 hours	10. 00AM-4.00PM	20	Rs.4,000/-	Creating and Editing objects, Layers, Line Types, Dimensioning, Layout, 3-dimensional CAD, Exercised based practice.	10TH Pass
48.	Die & Mould Making	April09 July09, October09, January 2010	Two Months	10. 00AM-4.00PM	20	Rs.4,000/-	Measuring Instruments, Marking Tools, Die & Mould Theory ,Die & Mould Material, Jigs & Fixture, Uses of Die & Mould in Sports Industries.	8th Pass

**HOW TO APPLY**

**Candidates seeking admission in nay course should send their application along with requisite fee, after confirming the availability of seat.**