

SCHEDULE OF TRAINING PROGRAMMES FROM APRIL 2016 TO MARCH 2017

CAD/CAM COURSES							
Code	Name of the course	Starting dates	Duration	Timings	Fee	Brief Contents	Eligibility
ST 01	Auto CAD (Sunday Session)	May, August, November 2016 & February 2017	60 Hours	9.00 AM -5.00PM Sundays only	Rs.4, 000/-	Creating and Editing objects, Layers, Line Types, Dimensioning, Layout, 3-dimensional CAD, Exercised based practice.	Pursuing Degree/Diploma, ITI, Mech.Trades or 10 th
ST 01	Auto CAD (Regular Session)	Every Month	60 Hours	9.00 AM -5.00PM	Rs.4, 000/-	Same as above	- do -
ST 02	Integrated CAD/CAM Pro-E (Sunday Session)	May, August, November 2016 & February 2017	120 Hours	9.00 AM-5.00PM Sundays only	Rs.10, 000/-	Fundamentals, Sketcher, Modeling, Pro-surface, Assembly, Machining, Exercised based practice	Pursuing Degree, Diploma, ITI in Mech. Trades
ST 02	Integrated CAD/CAM Pro-E (Regular Session)	Every Month	120 Hours	9.00 AM-5.00PM	Rs.10, 000/-	Same as above	- do -
ST 03	Integrated CAD/CAM Solid works (Regular Session)	Every Month	80 Hours	9.00 AM-5.00PM	Rs.7, 000/-	Sketcher, Part Modeling, Advance Part Modeling, Surfacing, Assembly, Exercised based practice	- do -
ST 04	Integrated CAD/CAM Master CAM (Regular Session)	Every Month	60 Hours	9.00 AM-5.00PM	Rs.6, 000/-	Sketcher, Part Modeling, Surface Modeling, Manufacturing, Exercised based practice	- do -
ST 05	Integrated CAD/CAM NX/Unigraphics	Every Month	120 Hours	9.00 AM-5.00PM	Rs.12, 000/-	Sketcher, Part Modeling, Advance Part Surface Modeling, Assembly, Drafting, Manufacturing and Simulation, Exercised based practice	- do -
ST 06	Integrated CAD/CAM CATIA	Every Month	120 Hours	9.00 AM-5.00PM	Rs.10, 000/-	Sketcher, Modeling, Surfacing, Assembly, Machining, Exercised based practice	- do -
ANALYSIS SOFTWARES							
ST 07	Mechanical Analysis with Hyper Works:	Every Month	02 weeks	9.00 AM-5.00PM	Rs.7,500/-	Basics of FEA and Numerical schemes, Introduction to Hypermesh, 2D & 3D Meshing, Introduction to Optistruct/ Radioss, Structural linear & Modal analysis, Basics of FEA and Numerical schemes, Introduction to Hypermesh, 2D, 3D & CFD Meshing, Introduction to Accusolve	Pursuing Degree, Diploma, ITI in Mech. Trades
ST 08	Thermal & CFD Analysis with Hyper Works:	Every Month	02 weeks	9.00 AM-5.00PM	Rs.7,500/-	Basics of FEA and Numerical schemes, Introduction to Hypermesh, 2D, 3D & CFD Meshing, Introduction to Accusolve	Pursuing Degree, Diploma, ITI in Mech. Trades
ST 09	Analysis with Ansys	Every Month	02 weeks	9.00 AM-5.00PM	Rs.7,500/-	Introduction to FEA and Ansys, APDL & Workbench interface, Structural analysis, Thermal analysis, Modal analysis	Pursuing Degree, Diploma, ITI in Mech. Trades
ST 10	Moldflow Analysis with Moldex 3D	Every Month	02 weeks	9.00 AM-5.00PM	Rs.7,500/-	Introduction to Molds, 2 plate molds & 3 plate molds Introduction to Moldex3D software, Conformal cooling system design, Solid meshing, Flow, Pack, Cool & Wrap analysis	Pursuing Degree, Diploma, ITI in Mech. Trades
CNC MACHINING COURSES							
ST 11	CNC Turning	Every Month	02 Months	11.00AM-5.00PM 5.00 PM-9.00 PM	Rs.25, 000/-	Fundamentals and basics of CNC Turning using machine controls e.g. Sinumeric and Fanuc, Practical on machines	- do -
ST 12	CNC Milling	Every Month	02 Months	11.00AM-5.00PM 5.00 PM-9.00 PM	Rs.25, 000/-	Fundamentals and basics of CNC Milling using machine controls e.g. Haidenheim, Sinumeric and Fanuc, Practical on machines	- do -
ST 13	CNC Wire Cut & EDM	Every Month	One Month	11.00AM-5.00PM 5.00 PM-9.00 PM	Rs.10, 000/-	Fundamentals and basics of CNC Wire Cut using Elapt machine control, Practical on machine.	- do -

ST 14	Advance CAD/CAM & CNC Machines	Every Month	17 weeks	9.00AM-5.00PM	Rs.35, 000/-	Computer Aided Drafting, Pro-E, Solid works, Master CAM, Unigraphics, Programming of CNC Turning, CNC Milling, CNC Wire Cut and practical exposure on these machines	- do -
LT 04	Post Diploma in CAD/CAM	16 th May 2016 19 th September 2016	One Year One Year	7. 00AM-1.00PM 2.00PM-8.00PM	Rs.60, 000/-	Manufacturing Processes, Computer Aided Drafting, Pro-E, Solid works, Master CAM, Catia, Programming of CNC Turning, CNC Milling, CNC Wire Cut and practical on these machines	Degree/Diploma Mech. Trades
ST 15	CNC Programming & Machining	06.06.2016 05.12.2016	03 weeks	2.00PM-6.00PM	Rs.10, 000/-	Programming and working operations of CNC Turning, CNC Milling, CNC Wire Cut and practical exposure on these machines	Pursuing Degree, Diploma, ITI, Mech. Trades or experienced persons working in line
ST 16	Manufacturing Automation	April, July, Oct 2016 & Feb 2017	02 Months	2.00 PM-6.00 PM	Rs 10, 000/-	Basics of Hydraulics, Pneumatics, Selection of Hydraulics & Pneumatics for Automation, Robotics, F M S & its applications	- do -
ST 45	Integrated CNC Milling and Turning Programming & Simulation	Every Month	02 weeks	2.00PM-6.00PM	Rs. 20,000/-	Introduction to CNC Machines and operations. Concept of Programming and its various controls, Programming and Simulation of CNC M/cs, Post processing from CAD/CAM Software.	Pursuing Degree, Diploma, ITI in Mech.Trades
TOOL & DIE TECHNOLOGY COURSES							
LT 03	Condensed Course in Tool & Die Making	6 th June 2016 26 th December 2016	One year	Full Time	Rs.1, 10,000/-	Prospectus available	10 th Pass
	Advance Module-I CAD/CAM & CNC Machines (Optional)	11.07.16 & 09.01.17	06 months	5.00PM-8.00PM	RS. 40000/-	Basic CAD, Solid Works, Master CAM, Programming and operating of CNC Turning, CNC Milling, CNC Wire Cut machines.	Condensed Course pass Trainees
	Module-II Small Business Management (Optional)	11.07.16 & 09.01.17	06 months	5.00PM-7.00PM	Rs. 30000/-	Management for MSME, Accounting and Taxation, Marketing Management, Governmental Regulations, Entrepreneurship Development, Operation Management.	Condensed Course pass Trainees/Business Families
PT 01	Post Diploma in Computer Aided Tool Engineering	11 th April 2016	One year (part time)	6.00 PM - 8.00PM	Rs.30, 000/-	Computer Aided Drafting, Press Tools Design, Plastic Mould Design, Jigs & Fixture Design and Advance CAD Modelling.	Degree/Diploma Mech.Trades
PT 02	Certificate Course In Computer Aided Tool Design	11 th April 2016	One year (part time)	6.00 PM -8.00PM	Rs.25, 000/-	Computer Aided Drafting, Press Tools Design, Plastic Mould Design, Jigs & Fixture Design and Basic CAD Modelling	ITI/10 th with 5 years industrial experience
ST 17	Heat Treatment of Plain Carbon Steels	04 th April to 08 th April	20 hours	9.30AM-1.30 PM	Rs.1, 500/-	Fundamentals of Heat Treatment of Plain Carbon steels, Practical Demonstration	Persons working in relevant industries with some experience
ST 18	Press Tool Design –I	9 th May to 13 th May	20 hours	9.30AM-1.30 PM	Rs.1, 500/-	Press tool operations, pitch controlling methods, Designing of progressive tools.	- do -
ST 19	Case Hardening of Low carbon, Plain and Alloy steels	13 th June to 17 th June	20 hours	9.30AM-1.30 PM	Rs.1, 500/-	Fundamentals of Heat Treatment of Case Hardening steels, Practical Demonstration	- do -
ST 20	Plastic Injection Moulding Theory & Practice	11 th July to 15 th July	30 hours	10.00AM-4.00 PM	Rs.3, 000/-	Fundamentals of Injection Molding, and Practical Demonstration on machine	- do -
ST 21	Press Tool Design-II	08 th Aug to 12 th Aug	20 hours	9.30AM-1.30 PM	Rs.1, 500/-	Fundamentals of compound and Bending tools, Designing of compound tools.	- do -
ST 22	Basic and Advance Engg. Measurement	07 th Nov to 11 th Nov	20 hours	9.30AM-1.30 PM	Rs.1, 500/-	Basic hole & basic shaft systems, Important measuring rules, Types of errors etc.	- do -
ST 23	Jigs & Fixtures Design and Making	16 th Jan to 20 th Jan (2017)	20 hours	9.30AM-1.30 PM	Rs.1, 500/-	Jigs and fixtures. Locating systems and clamping devices etc., Practical Demo.	- do -
ST 24	Basics of Pneumatics and Hydraulic	May 2016 & Dec 2016	30 Hours	5.30PM-8.30 PM	Rs 3, 000/-	Basics of Pneumatic and Hydraulic, Practical Demonstration	- do -
ST 25	Rapid Prototyping	Every Month	One week	9.30AM-12.30PM	Rs.3, 000/-	Introduction, Types of RP Technologies, Rapid Tooling, Vacuum Casting, Applications.	Pursuing Degree/Diploma, ITI, Mech.Trades

SKILL DEVELOPMENT COURSES							
Code	Name of the course	Starting dates	Duration	Timing	Fee	Brief Contents	Eligibility
MT 01	Machinist	08.08.16 07.02.17	Six Months	3.00PM-08.30PM	Rs.30, 000/-	Engg Drg. Measurement, Workshop Technology. Workshop Practice, Practical on Lathe Machine, Milling Machine & Grinding Machine.	10 th Pass
ST 26	Turner	April, July, Oct 2016 & Jan 2017	Three Months	3.00PM-08.30PM	Rs.15, 000/-	Engg Drg. Measurement, Workshop Technology, Workshop Practice, Practical on Lathe Machine.	10 th Pass
ST 27	Fitter	April, July, Oct 2016 & Jan 2017	Three Months	3.00PM-08.30PM	Rs.15, 000/-	Engg Drg, Measurement, Workshop Technology, Fitting Shop Practice.	10 th Pass
ST 28	Computer Hardware & Net Working	04.04.16, 06.06.16, 08.08.16, 17.10.16, 19.12.16	Two Months	2.00PM-6.00PM	Rs.5, 000/-	Computer Hardware, Assembly of Computer, Installation of Operating Software & Application Software, LAN & its components.	10 th Pass
ST 29	Press Machine Operator	Every Month	01 month	9.30AM-1.30PM	Rs.5, 000/-	Introduction to Machine & its parts. Press Operations, Types of Presses. Practical on Press Machine,	8 th Pass
ST 30	Injection Moulding Machine Operator	Every Month	01 month	9.30AM-1.30PM	Rs.5, 000/-	Introduction to Machine & its parts, Different types of Moulds, Moulding Material. Practical on Injection Moulding Machine.	8 th Pass
ST 31	Electrician (Basic)	Every Month	01 month	8.00AM-12.00PM	Rs.5, 000/-	Electric Wiring, Electrical Testing Equipment A.C-D.C Voltage, Types of Electrical Motors, Distribution System & Safety Rules. On the job Training.	8 th Pass
ST 32	Welder (Basic)	Every Month	01 month	2.00PM-6.00PM	Rs.5, 000/-	Types of Welding e.g. Arc Welding & Gas Welding, Selection of Electrodes, Gas Cutting, Safety Precautions & Welding Practice.	8 th Pass
ST 33	Programming Logic Control	Every Month	One Month	8.00AM-12.00PM 5.00PM-9.00PM	Rs.10000/-	Basics of Electrical, PLC Details, I/O Configuration, Memory Mapping, Programmes & Ladder diagrams, Communication & fault finding, PLC applications, Basics of Hydraulics & Pneumatics, Applications of Hydraulics & Pneumatics in Automation.	Pursuing Degree/Diploma in Mech., Electrical, Production, Electronics & Comm. Engg.
ST 34	Measurement & Reverse Engineering	Every Month	One Month	8.00AM-12.00PM 5.00PM-9.00PM	Rs. 10000/-	Introduction to scanning concept, types of scanning, scanning process, aligning scanned shots, merging data, creation of ply file, STL file, introduction to polyworks, IMINSPECT & IMEDIT, aligning the PLY file object, importing the CAD data, comparison of CAD data with scanned, creation of CAD data from the scanned data.	Pursuing Degree/Diploma in Mech. Trades
ST 35	Coordinate Measuring Machine	Every Month	One Month	8.00AM-12.00PM 5.00PM-9.00PM	Rs. 10000/-	Basics of CMM, Probe Calibration, Measurement-Plane, Circle, Cone etc., C.D., P.C.D., Cone Diameter at particular height, Height at particular diameter, Atomic measurement of small holes, Absolute & relative movement, Report with nominal value, Scanning of circle, circle segment, Distance between two face and points, Parallelism, perpendicularity, position, symmetry etc, Macro function	Pursuing Degree/Diploma in Mech. Trades
SAMSUNG COLLABORATED COURSES							
ST 36	Tablets, Mobile Phone, Smart Phone etc. (Handheld Products-HHP)	Every Month	03 months	9.00AM-1.00PM	Rs.15000/-	Basic concepts of electronics, repairing of android smart phones, tabs	12 th /Pursuing ITI/Diploma/ Degree in relevant trades
ST 37	LED, LCD, Plasma TV, Home Theater (Audio Video-AV)	Every Month	03 months	9.00AM-1.00PM	Rs.15000/-	Basic concepts of electronics, introduction of LED, Plasma TV, Curved TV, their maintenance & installation. Repairing of home theatre system.	12 th /Pursuing ITI/Diploma/ Degree in relevant trades
ST 38	Split AC, (Room Air Conditioner-RAC)	Every Month	03 months	9.00AM-1.00PM	Rs.15000/-	Review basic concepts repairing, trouble shooting installation of Split Room Air Conditioner (inverter & non-inverter)	12 th /Pursuing ITI/Diploma/ Degree in relevant trades

ST 39	Refrigerator, Washing Machine, Microwave Oven, etc. (Home Appliances-HA)	Every Month	04 months	9.00AM-1.00PM	Rs. 20000/-	Review of basic concepts, repairing, troubleshooting of refrigerator (invertor & non invertor) Repair & troubleshooting, maintenance of washing machine (front loaded, top loaded). Repair & maintenance of microwave oven	12 th /Pursuing ITI/Diploma/ Degree in relevant trades
ST 44	AC Installation	Every Month	02 weeks	9.00AM-1.00PM	Rs. 3000/-	Introduction to basic Refrigeration Cycle, Tube Cutting, Tube Straightening, Flare making, brazing and installation.	10 th Pass
ST 46	AVIIDM (Installation and Demo of LED's)	Every Month	02 weeks	9.00AM-1.00PM 2.00PM-5.00PM	Rs. 3000/-	Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison	Introduction, Basics, Installation Process, Remote Controller & Key Features, Software Upgradation, Making connection & segment comparison
PERSONAL MANAGEMENT COURSES							
MT 02	Small Business Management	June, Dec 2016	06 Months	5.00PM-7.00PM	Rs.30, 000/-	Management for MSME, Accounting and Taxation, Marketing Management, Governmental Regulations, Entrepreneurship Development, Operation Management.	Condensed Course pass Trainees/Business Families
ST 40	Workshop Skill Development	April, July, Oct, 2016 & Jan 2017	Two Months	6.00 PM-8.00 PM	Rs 11,500/-	Personnel Management, Role of Supervisor, Labour laws, Leadership, Taxes, Role of Manger, Time Management Skills etc.	10 th Pass
ST 41	Soft Skill Development	Every Month	One Month	4.00 PM-7.00PM	Rs. 4,000/-	Personality & its types, Conversation, Behaviour, Attitude & Ethics, MS Office	10 th Pass
ST 42	Development of Supervisory Skills	Every Month	One Month	4.00PM-6.00 PM	Rs. 3,000/-	Office Procedure, Letter Writing, House Keeping, Labour laws, pollution Control Board.	10 th Pass
ST 43	Computing Skill Development	Every Month	One Month	3.00PM –6.00 PM	Rs.4,000/-	MS Word, Excel, Power Point, Reception Office.	10 th Pass

All the dates mentioned are tentative and candidates should confirm the dates and availability of seats well in advance.

Contact nos. are 0161-2670058-59, Ext. No. 251, 252.

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