TRAINING PROGRAMMES OFFERED BY EC KARNAL

Sr. No.	Code	Name of the course	Starting dates	Duration	Timings	Tuition Fee	Brief Contents	Eligibility
CAD/CAM								
1	ST 01	AutoCAD Mechanical (Regular Session)	Every Month	96 Hours	9.00 AM -5.00PM	Rs. 5,900/-	Create 2D sketch, Edit of models, Understand the layer management & block, Create solid model for mechanical components, Apply mechanical rendering, Observe & follow	10th Pass
3	ST 03	CREO Parametric	Every Month	96 Hours	9.00 AM-5.00PM	Rs. 9,440/-	Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting, Observe & follow safety, Communicate effectively	10th Pass
4	ST 04	Solidworks	Every Month	96 Hours	9.00 AM-5.00PM	Rs. 6,254/-	Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting, Observe & follow safety, Communicate effectively	10th Pass
5	ST 05	MasterCAM	Every Month	96 Hours	9.00 AM-5.00PM	Rs. 6,254/-	Create 2D sketch, Design Solid Model, Develop Wire frame & Surface Model, Generate 2D tool path, Generate 3D tool path, Observe & follow safety, Communicate	10th Pass
6	ST 07	Unigraphics	Every Month	96 Hours	9.00 AM-5.00PM	Rs. 11,800/-	Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting, Observe & follow safety, Communicate effectively	10th Pass
7	ST 08	CATIA	Every Month	96 Hours	9.00 AM-5.00PM	Rs. 9,440/-	Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting, Observe & follow safety, Communicate effectively	10th Pass
CNC MACHINING								
9	ST 11	CNC Programming - Lathe	Every Month	96 Hours	9.00 AM-5.00PM	Rs. 11,800/-	List different Cutting tooling standards, Develop mathematical / Analytical skills, Execute CNC Machining Programme, CNC Lathe Programming - On job training, Communicate effectively, Observe	10th Pass
10	ST 12	CNC Machining - Lathe	Every Month	96 Hours	9.00 AM-5.00PM	Rs. 11,800/-	List different Cutting tooling standards, Develop mathematical / Analytical skills, Execute CNC Machining Programme, CNC Lathe MACHINING - On job training, Communicate effectively, Observe & follow safety	10th Pass
11	ST 13	CNC Programming - Milling	Every Month	96 Hours	9.00 AM-5.00PM	Rs. 11,800/-	List different Cutting tooling standards, Develop mathematical / Analytical skills, Execute CNC Machining Programme, CNC Milling Programming - On job training, Communicate effectively, Observe	10th Pass
13	ST 14	CNC Machining - Milling	Every Month	96 Hours	9.00 AM-5.00PM	Rs. 11,800/-	List different Cutting tooling standards, Develop mathematical / Analytical skills, Execute CNC Machining Programme, CNC Milling Machining - On job training, To communicate effectively., Observe	10th Pass
14	OT-142	CNC Programming & Machining	Every Month	02 Months	9.00 AM-5.00PM	Rs. 31,270/-	Understand & explain the concept and importance of CNC programming, Prepare & understand line program for various profiles, Identify & set parameters for various simulators, Prepare & simulate various operation cycles for lathe and milling, Use and simulate cycles using various Controls.	Pursuing Degree, Diploma, ITI in Mech. Trades
ELECTRICAL/ ELECTRONICS/ MECHATRONICS SKILL DEVELOPMENT								
16	ST 16	Computer Hardware & Networking	Every Month	96 Hours	4hrs/day	Rs. 6,254/-	Basic Electronics, Computer Software, Computer Hardware, Networking	10th Pass
CIVIL/ ARCHITECTURAL ENGINEERING SKILL DEVELOPMENT								
18	EC02	AutoCAD Civil/Architecture	Every Month	96 Hours	4hrs/day	Rs. 5,900/-	Introduction to AutoCAD, Create 2D Sketch, Understand the layer management & block, 3D modelling of Civil Plans & Elevations, Drafting & Detailing, Apply Civil rendering, Observe and follow safety	10th Pass
20	EC04	Revit Architecture	Every Month	96 Hours	4hrs/day	Rs. 5,900/-	Introduction to plans, elevations in revit, creating walls, windows, doors, Creating floor and roofs, Creating Ceiling plans, adding furniture to plan, Creating site plan, Creating massing and site components, Adding section views, creating materials, Render the 3d model	10th Pass
INDUSTRIAL & SOFTWARE								
21	ST 22	Mechanical CAD/CAM	Jul, 2021 Jan, 2022	25 Weeks	4hrs/day	Rs. 25,000/-	Create object drawing on CAD software, Create objects using 3D Modeling Space, Print Preview and Plotting in CAD, Interpret & write CAM program for CNC machines, Describe reverse engineering and rapid prototyping technology, Apply professional & technical knowledge while performing the task, Implement time management, manage/organize related task in day to day work for personal & social growth, Selection and analysis of CAD/CAM software, Implement soft skills, working with Computer and communicate with required clarity, Recognize & comply safe working practices, environment	Pursuing Degree in Mech. Trades
22	ST-90	On-Job-Training	Every Month	eeks (75 Hrs) 4 Weeks (150 Hrs)	6.5 Hrs / day	000/- Rs 6,000/-	AutoCAD (Mech), AutoCAD (Civil) / SolidWorks / MasterCAM / CNC Programming-Lathe / CNC Programming-Milling / CNC Machining (WIRE-CUT) / Revit / Stand-Pro / 3-D Max / Electrical CAD / Microcontroller Programming / Embedded System / PLC Programming / Internet-of-Things / Basic + Advance Industrial Electrical Maintenanace / Basis Mechatronics / Basic + Advanance Pneumatics / Basic + Advance Welding / Computer Hardware and Networking /	Pursuing ITI Trainees

NSQF Approved Courses

Sr. No.	QP Code	Name of the course	NSQF Level	Starting dates	Duration (Hours)	Timing	Tuition Fee	Brief Contents	Eligibility
23	MSME/PGDTD&CC/01	Post Graduate Diploma in Tool Design & CAD/CAM	Level 8	Jul-21	2340 Hrs. (18 Months) 3 Semesters	6 hr/day	Rs. 40,000/- per semester	CNC Programming and CNC Machining, Computer Aided Design (CAD-Auto CAD/Collab CAD and Solid Works), Computer Aided Manufacturing (Master CAM & Unigraphics CAM), Jigs, Fixtures and Gauges, Design of Press Tools, Design of Moulds, Design of Die Casting Dies, Advanced Metrology, Advanced-CAD-I (Unigraphics & CATIA), Manufacturing Process-Process Planning and Heat Treatment, Advanced-CAD-	Preferably Graduate (Mech. Engineering / Prod. Engineering or equivalent)