

TRAINING PROGRAMMES OFFERED BY EC NILOKHERI

Sr. No.	Code	Name of the course	Starting dates	Duration	Timings	Tuition Fee	Brief Contents	Eligibility	
CAD/CAM COURSES									
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	
2	ST 02	Electrical CAD	Every Month	96 Hours	9.00 AM-5.00PM	Rs. 5,900/-	Broad knowledge of E-CAD, Design different types of electrical circuits, Use software for generating solutions in E-CAD, Communicate effectively, Observe & follow safety	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 effectively	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	
ANALYSIS SOFTWARES COURSES									
8	ST 09	Ansys	Every Month	96 Hours	9.00 AM-5.00PM	Rs. 9,204/-	Understand Finite Element Methods & GUI of ANSYS, Perform Structural Analysis for 1D elements, Analysis of 2D Structure, Analysis of 3D Structure, Analysis of 1D, 2D, 3D Thermal Elements, Observe & follow safety, Communicate effectively	10th Pass	
CNC MACHINING COURSES									
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 & follow safety	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 & follow safety	10th Pass	
12	EC01	Basic Welding and Fabrication	Every Month	02 Months	4hrs/day	Rs. 5,900/-	Introduction to welding equipments, tools and accessories., different types of metals and alloys and their properties., introduction to various types of welding techniques using gas and electric arc, Selection of electrodes, Introduction to advanced welding processes, Safety, care and precautions, Designing, fabrication and finishing, Entrepreneurship/marketing skills.	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 & follow safety	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	
15	OT-072	CNC Machining (WIRE-CUT)	Every Month	One Month	4 hrs/day	Rs. 11,800/-	Selection of a cutting tool based on the coated fabric & its importance, Setting the parameters of cutting machine, Basic principles of operation & typical operations that they can perform, Cutting operation using cutting tools, Machining operations that they can performed, the methods, equipment used with how to start and stop the machine in normal & emergency situations.	Pursuing Degree, Diploma, ITI in Mech. Trades	
ELECTRICAL/ ELECTRONICS/ MECHATRONICS SKILL DEVELOPMENT COURSES									
16	ST 16	Computer Hardware & Networking	Every Month	96 Hours	4hrs/day	Rs. 6,254/-	Basic Electronics, Computer Software, Computer Hardware, Networking	10th Pass	
17	ST 19	PLC Programming	Every Month	96 Hours	4hrs/day	Rs. 9,440/-	Broad knowledge of PLC programming., Apply ladder logic principles for solutions to the specific problems., Use software for generating solutions in PLC., Communicate effectively., Observe & follow safety	10th Pass	
CIVIL/ ARCHITECTURAL ENGINEERING SKILL DEVELOPMENT COURSES									
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	
19	EC03	3DS Max	Every Month	96 Hours	4hrs/day	Rs. 5,900/-	Introduction 3Ds Max & Initial Settings,Navigation tools, Unit and grid Settings, Standard primitives, Extended Primitives, Create other geometries, Basic Modifiers, Advance Modifiers, Introduction to materials, material Editor, Creating Floor plan, Exterior Rendering with arnold engine	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 TRAINING									
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 aspect and housekeeping	Pursuing Degree in Mech. Trades	
22	ST-90	On-Job-Training	Every Month	2 Weeks (75 Hrs) 4 Weeks (150 Hrs)	6.5 Hrs / day	Rs.3,000/- 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 Maintenance / Basis Mechatronics / Basic + Advance Pneumatics / Basic + Advance Welding / Computer Hardware and Networking / Basic Computer applications etc.	Pursuing ITI Trainees	
NSQF Approved Courses									
Sr. No.	NQR Code	Name of the course	NSQF Level	Starting dates	Duration (Hours)	Timing	Tuition Fee	Brief Contents	Eligibility
23	QG-4.5-CG-02403-2024-V1-MSME	CNC Programmer- Tool Room	Level 4.5	Jul, 2025 Jan, 2026	600 Hrs.	6 hr/day	Rs. 60,000/- per semester	Understand the concept of Production Process, Read, Interpret and Create Drawing Using AutoCAD, Create , generate and Execute CNC program for Manufacturing Process, Check and inspect dimensions of machined parts using various Measuring Instruments, Employability skills	Preferably Diploma in Mech./ Prod. / Tool Design/ Mould Making/ Automobile/ 2 year ITI
24	QG-4.5-CG-02409-2024-V1-MSME	Advanced Diploma in CNC Programming Techniques and Practices	Level 4.5	Jul, 2025 Jan, 2026	600 Hrs.	6 hr/day	Rs. 40,000/-	Demonstrate the basic machine operations, Maintenance of Hydraulics and Pneumatic components, Create and modify the Electric circuit diagram using CAD software, Basics of industrial automation, Employability Skills	Preferably pursuing Degree/ Diploma passout
25	QG-4.5-CG-02404-2024-V1-MSME	Junior Designer CAD/CAM	Level 4.5	Jul, 2025 Jan, 2026	600 Hrs.	6 hr/day	Rs. 45,000/- per semester	Create & Modify Part Model using CAD Software, Generate Part Program Using CAM Software (CAM), Analyze Part Model, Design Surfaces using Higher end CAD Software, Generate CNC Program, Employability Skills, OJT	Preferably Pursuing Degree / Passout Diploma
26	QG-4.5-CG-02406-2024-V1-MSME	Jr. Designer - Tool	Level 4.5	Jan, 2024 July, 2024	600 Hrs.	6 hr/day	Rs. 45,000/-	Create & Modify Part Model using CAD Software, Create & Modify Part Model and Generate Part Program Using CAD/ CAM Software, Design of Jigs & Fixtures, Design of Press Tools, Design of Moulds, Employability skills	Preferably Pursuing Degree / Passout Diploma
27	QG-04-CG-02411-2024-V1-MSME	Technician - CNC Machining	Level 4	Jan, 2024 July, 2024	600 Hrs.	6 hr/day	Rs. 45,000/-	Fundamentals of CNC Technology, Create CNC Programms and carry out CNC Machining operations, Create Part drawing using CAD Software, Generate part Programms using CAM Tools, Employability Skills	10th grade pass with two years of any combination of NTC/NAC/CITS /ITI in relevant trades or
28	MSME/CCTDM/29	Condensed Course In Tool and Die Making	Level 4	Jul, 2021 Jan, 2022	1560 Hrs. (12 Months) 2 Semesters	6 hr/day	Rs. 1,00,000/-	Production Technology, Auto CAD, Part Programming, Master CAM, Press Tool Design, CNC Technology, Engineering Drawing, Material Technology, Metrology, Press Tool Theory, Press Tool Design, Mould Manufacturing, Modern Manufacturing Technology, Jigs and Fixture , Mould Theory, Communicative English, Industrial Management, Inplant Training & Project Work	Preferably Matriculation (10th) pass
<i>All the dates mentioned above are tentative and candidates should confirm the dates and availability of seats well in advance.</i>									