GENERAL CONDITIONS

- 1. Applicants sponsored by Micro, Small & Medium Enterprises and those belonging to SC/ST/Handicapped categories will be given preference.
- 2. If available, hostel accommodation at nominal rates will be provided.
- 3. Course fee once paid will not be refunded, however this can be adjusted for subsequent course during the year depending upon the availability of seats
- During evening hours course can be conducted in industries located in Ludhiana. Short term courses can be conducted at other stations on receiving specific demand from industry or agencies working for growth and promotion of industrial development.
- 5. Tailor made course can be arranged on demand.
- 6. Fee concession will be granted to SC/ST candidates as per Govt. norms applicable from time to time
- 7. Candidates may contact Manager Training/STC Coordinator on e-mail/ telephones Nos. given below.
- 8. All the dates mentioned are tentative and candidates should confirm the availability of seats well in advance.

PROFILE & OBJECTIVE

Central Tool Room, Ludhiana has been set up under bilateral agreement on technical cooperation between Govt. of India and Govt. of Federal Republic of Germany to promote a purposeful technical education for youth in India. CTR offers various courses to cover a wide spectrum of technical manpower.

Post Graduate Level : Post Graduate Diploma in Tool Design & CAD/CAM

Post Diploma Level : Post Diploma in CAD/CAM

: Post Diploma in Tool & Die Manufacturing

Diploma Level : Four year Diploma in Mechanical Engineering (Tool & Die)

Three year Diploma in Mechatronics Engineering

Certificate Level : Certificate Course in Heat Treatment

Condensed Course in Tool and Die Making Certificate Course in Advance Machining

Certificate Course in Advance Machining Certificate Course in Machine Operations

Short term courses in Mechanical/Electrical/Electronics Engineering subjects

All the P.G./ Diploma/ Certificate Courses offered by CTR are accepted by Industries in India and abroad for employment purposes. This institute has enough infrastructure, latest training Methodologies and well trained faculty to ensure best quality of training.

CTR has ultra-modern, state-of-art Tool Room machines under single roof. It is an ideal Tool Room for Tool & Die Technology. The wide spectrum of sophisticated machines includes all latest and advanced machines, which can cater to various requirements of the industries.

CTR aims at emerging as a top class Design & Product Development Center in country to cater to the needs of 21st century.

OBJECTIVES

Short Duration

- * To increase the efficiency of Micro, Small & Medium Enterprises in the Northern Region in light engineering and allied fields by providing support in the area of design & production of Tools, Jigs & Fixtures, advisory /consultancy services.
- * To manufacture small & medium sized tools such as Press Tools, Jigs & Fixtures, Moulds & Dies and special purpose Tools.
- * To provide common service facilities for the manufacture of Tools, Jigs & Fixtures, Mould & Dies and in various Heat Treatment Processes for Micro, Small & Medium Enterprises of the region.
- * To impart technical training to Tool Makers for Press Tools, Dies, Jigs & Fixtures and Mould etc. and on Heat Treatment processes for the Micro, Small and Medium Enterprises.
- To conduct short term and part time courses for the representatives of Micro, Small and Medium Enterprises of the region.
- To provide rapid prototype parts to the industries involved in new product development.

Admission Procedure

Following documents required for admission

- Self Attested copy of 10th certificate.
 Self Attested copy of Aadhar Card (Compulsory for admission).
- 3. One passport size photograph.
- 4. Self Attested copy of Caste Certificate, if applicable.
- 5. Self Attested copy of 12th certificate, if applicable.
- 6. Self Attested copy of pursuing Degree/Diploma/ ITI in Mechanical/ Electronic/Electrical Engg. (if applicable)

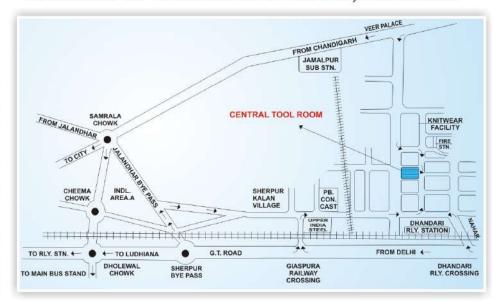
Only For NSQF Compliant Course

Attested Copy of Passed / Pursuing Degree / Diploma / ITI in Mechanical/ Electronic / Electrical Engg. (Wherever Applicable)

Note

- Tuition fee shall be exempted for SC/ST category for NSQF compliant courses and courses with code nos. from ST 01 to ST 14 & ST 16 to ST 19. ST 88 to ST 89.
- 2. Check the particulars like Name, Father's Name, Date of Birth, Address etc. carefully in application form before submitting.
- If the particulars of a candidate not matching on the enclosed documents such as Matric Certificate, Aadhar Card, SC certificate or any other certificates, then an affidavit to be enclosed for this mismatch.

LOCATION OF CENTRAL TOOL ROOM, LUDHIANA



A-5, PHASE-文, FOCAL POINT, LUDHIANA-141 010. PHONE - 91-161-2670058, 59, Ext. 251, 252 E-Mail: info@ctrludhiana.org, training@ctrludhiana.org, Visit us at: www.ctrludhiana.org

CTR Outreach Centres:-

- 1. CTR Extension Centre, Govt. Quality Marking Centre, Govt. ITI Complex, NH-4, Faridabad, Haryana-121003 M. No. 8901503789, E-mail: faridabad@ctrludhiana.org
- 2. CTR Extension Centre, Govt. I.T.I., Kunjpura Road, KARNAL 132 001 (Haryana), M. No: 94163-03789, Email: nilokheri@ctrludhiana.org
- 3. CTR Extension Centre, G T Road, Nilokheri, Distt. Karnal 132 117 (Haryana). M. No: 94163-03789, E-mail: nilokheri@ctrludhiana.org



Training Calendar 2024-2025











MSME Technology Centre-Ludhiana Central Tool Room

GOVERNMENT OF INDIA SOCIETY
(Ministry of Micro, Small & Medium Enterprises)

SCHEDULE OF TRAINING PROGRAMMES FROM APRIL 2024 TO MARCH 2025

No.	Code	Nai	me of the Cour	rse	Starting dates	Duration	Timings	Course Fee	Brief Contents	Eligibility
1	ST 01	(Regular 8			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 02 ST 03	Electrical CREO Pa			Every Month Every Month	96 Hours	9.00 AM -5.00PM 9.00 AM-5.00PM	Rs. 5,900/- Rs. 9,440/-	Broad knowledge of E-CAD, Design different types of electrical circuits, Use software for generating solutions in E-CAD, Communicate effectively, Observe & follow safety Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting, Observe & follow safety, Communicate effectively	10th Pass
4	ST 04	Solidwork	33 		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
6	ST 05	MasterCA DelCAM	IM		Every Month Every Month	96 Hours	9.00 AM-5.00PM 9.00 AM-5.00PM	Rs. 6,254/- Rs. 5,900/-	Create 2D sketch, Design Solid Model, Develop Wire frame & Surface Model, Generate 2D tool path, Generate 3D tool path, Observe & follow safety, Communicate effectively 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
7	ST 07	Unigraphics CATIA			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
8	ST 08				Every Month		9.00 AM-5.00PM			10th Pass
	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
10	ST 10	Hypermesh			Every Month	96 Hours	9.00 AM-5.00PM	Rs. 9,204/-	Introduction to CAE & Hypermesh, Perform Geometry creation & Geometry edit, Generate Manual & Automeshing, Check Quality Criteria, Introduction Of Optristruct, Hyperview & Hyperform, Observe & follow safety, Communicate effectively	10th Pass
11	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
12	ST 12	CNC Machining - Lathe		Every Month	96 Hours	9.00 AM-5.00PM	Rs. 11,800/-	List different Cutling tooling standards , Develop mathematical / Analytical skills , Execute CNC Machining Programme , CNC Lathe MACHINING - On job training, Communicate effectively, Observe & Tollow safety	10th Pass	
13	ST 13	CNC Programming - Milling 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 Programming - On job training, Communicate effectively, Observe & follow safety	10th Pass
14	ST 14	CNC Machining - Milling CNC Programming & Machining			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
15	OT-142 OT-072	CNC Programming & Machining CNC Machining (WIRE-CUT)		Every Month Every Month	02 Months One Month	9.00 AM-5.00PM 4 Hrs / Day	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. Selection of a cutting tool based on the coated fabric & its importance, Setting the parameters of	Pursuing Degree, Diploma, ITI in Mech. Trades Pursuing Degree, Diploma,	
į	01072	CNC Machining (WIRE-CUT)						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.	ITI in Mech. Trades	
17	ST 16	Computer	Hardware & Networking		ELECTRI Every Month	96 Hours	4 Hrs / Day	Rs. 6,254/-	VELOPMENT COURSES Basic Electronics, Computer Software, Computer Hardware, Networking	10th Pass
18	ST 18	Microcont	Microcontroller Programming		Every Month	96 Hours	4 Hrs / Day	Rs. 6,254/-	Introduction to Microcontroller, Introduction to PIC Microcontroller 16F877A, Pin Diagram, Embedded C Programming, Interfacing of LEDs, Switch, 7-segments, 16x2 LCD, Various Sensors, DC and Stepper Motor with PIC	10th Pass
19	ST 19	PLC Programming			Every Month	96 Hours	4 Hrs / 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
20	ST 88	Embedded System			Every Month	96 Hours	4 Hrs / Day	Rs. 6,254/-	Introduction to Embedded System, Difference between Microprocessor & Microcontroller, Concept of Embedded C programming, Designing an Embedded System using Microcontroller, Interfacing of LEDs, Switch, 7-segments, 16×2 LCD, various Sensors, DC and Stepper Motor with microntroller, Practice of various Embedded C programs to control the various peripeherals.	10th Pass
21	ST 89	SCADA			Every Month	96 Hours	4 Hrs / Day	Rs. 6,254/-	Installation of SCADA software and its configuration, Creating single user project, Creating multi-user project, Graphics designer tools, Process to set tags. Windows object, Analog process, Moving object,	10th Pass
22	OT 122	Internet of	Things (IoT)		Every Month	96 Hours	4 Hrs / Day	Rs. 6,254/-	Alarm logging and tag logging. Introduction to Internet of Things (IoT), Various electronics hardware platforms to implement IoT, Introduction to ESP-8266 Node MCU Wi-Fi based module, Introduction to Embedded 'C' programming	10th Pass
									language, Interfacing of various analog and digital sensors such as LDR, DHT-11 Temperature & Humidity sensor, Ultrasonic Sensor etc., Introduction to open source IoT Cloud platform, Real time monitoring of sensor's data on IoT cloud platform.	
23	OT-150	Basic Pne	umatics		Every Month	96 Hours	4 Hrs / Day	Rs. 6,254/-	Introduction to Pneumatic control system, Valves and cylinders. Symbols of various Pneumatic components, Demonstration of Pneumatic valves and cylinders, Flow control valves, Dual pressure valves, Shuttle valves. Practice of various Pneumatic Control Circuits.	10th Pass
24	OT-147	Advance Pneumatics			Every Month	96 Hours	4 Hrs / Day	Rs. 9,440/-	Introduction to Industrial Pneumatic control system, Valves and cylinders. Symbols of various Mobile Pneumatic components, Demonstration of Pneumatic valves and cylinders, Flow control valves, Dual pressure valves, Shuttle valves, Fcot operated valve. Practice of various Industrial Mobile Pneumatic	10th Pass
25	OT-148	Automatio	n with Pneumatics using P	PLC	Every Month	96 Hours	4 Hrs / Day	Rs. 9,440/-	Circuits including control of Bus Door, Cascading, Liftng mechanism. Introduction to Automation, Introduction to PLC, Introduction to PLC Software (S7 Simate Manager, Various exercises on Bit logic, Counter, Timer and Comparator in Ladder programming, Introduction to	10th Pass
									Pneumatic & Electro-Pneumatic system, Working and Identification of various Pneumatic & Electro- Pneumatic components, Hands on Practices using various Pneumatic & Electro-Pneumatic components and PLC.	
26	OT-158	158 EPLAN		Every Month	96 Hours	4 Hrs / Day	Rs. 6,254/-	Introduction to E-Plan Software, Project (create, copy, delete, rename, backup, restore), Structure in EPLAN, The Plot frame, Basic circuit diagrams (motor overload switch, contactor, cable, terminal, circuit breaker) Basic EPLAN circuit functions (insert symbol, adjust, number), Reports (Title page, table of	10th Pass	
				Every Month	T.	JNG COLLABORA		contents, cable overview, terminal diagram, parts reports), Export EPLAN Project to PDF and DXF/DWG	S .	
27	ST 20 AC Installation ST 21 AVIIDM (Installation and Demo of LED's)								Introduction to basic Defrigoration Cuelo, Tubo Cutting, Tubo Straightening, Class making, brazing	10th Door
28	ST 21	AVIIDM (II		ED's)	Every Month	2 Weeks	4 Hrs / Day 4 Hrs / Day	Rs. 3,540/-	Introduction to basic Refrigeration Cycle, Tube Cutting, Tube Straightening, Flare making, brazing and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison.	10th Pass
12000	ST 21			ED's)	Every Month Jan, 2024	2 Weeks	VIII CALLES COMMON COMM	Rs. 3,540/-	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison NG Create object drawing on CAD software, Create objects using 3D Modeling Space , Print Preview and	10th Pass Pursuing Degree in
12000			nstallation and Demo of LE	ED's)	Every Month	2 Weeks	4 Hrs / Day	Rs. 3,540/-	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison NC 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 white performing the task, Implement to the work of the program of the control of the process of the program of the process of the program of the property of the program of the property of the program of	10th Pass
29		Mechanica Advance I	nstallation and Demo of LE	ED's)	Jan, 2024 July, 2024 Jan, 2024	2 Weeks	4 Hrs / Day	Rs. 3,540/-	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison NC 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 white performing the task, Implement time management, managelorganize 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 c larity, Recognize & comply safe working practices, environment aspect and housekeeping Electrical, electronics and instrumentation, Electrical panel and wiring knowledge. Electronics indicators,	10th Pass Pursuing Degree in Mech. Trades Pursuing Degree in
29	ST 22	Mechanica Advance I Control	nstallation and Demo of LE al CAD/CAM Diploma in Automation &	ED's)	Jan, 2024 July, 2024 Jan, 2024 July, 2024	2 Weeks INDUS 25 Weeks 25 Weeks	4 Hrs / Day STRIAL & SOFTWA 4 Hrs / Day 4 Hrs / Day	Rs. 3.540/- ARE TRAINII Rs. 25,000/-	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison NC 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, managetorganize 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 c larity. Recognize & comply safe working practices, environment aspect and housekeeping. Electrical, electronics and instrumentation, Electrical panel and wiring knowledge. Electronics indicators, switchgears and panel accessories, Motor fundamentals, drive system fundamentals, PLC, DCS programming software, SCADA, HMI development software, Pneumatic, hydraulic components. Basics on industrial process.	Pursuing Degree in Mech. Trades Pursuing Degree in Elec /Electronics Traders
29	ST 22	Mechanica Advance I	nstallation and Demo of LE al CAD/CAM Diploma in Automation &	ED's)	Jan, 2024 July, 2024 Jan, 2024	2 Weeks INDUS 25 Weeks	4 Hrs / Day STRIAL & SOFTWA 4 Hrs / Day	Rs. 3.540/- ARE TRAINII Rs. 25,000/-	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison. VC 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 white 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 c larity, Recognize & comply safe working practices, environment aspect and housekeeping. Electrical, electronics and instrumentation, Electrical panel and wiring knowledge, Electronics indicators, switchgears and panel accessories, Motor fundamentals, drive system fundamentals, PLC, DCS programming software, SCADA, HMI development software, Pneumatic, hydraulic components. Basics on industrial process. 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 / Basis A + Advance Pneumatics, Pneumatic	10th Pass Pursuing Degree in Mech. Trades Pursuing Degree in
29	ST 22	Mechanica Advance I Control	nstallation and Demo of LE al CAD/CAM Diploma in Automation &	2000	Jan, 2024 July, 2024 Jan, 2024 July, 2024 Every Month	2 Weeks INDUS 25 Weeks 25 Weeks 25 Weeks 2 Weeks (75 Hrs.) 4 Weeks (150 Hrs.)	4 Hrs / Day STRIAL & SOFTWA 4 Hrs / Day 4 Hrs / Day	Rs. 3.540/- ARE TRAINII Rs. 25,000/- Rs. 25,000/- Rs. 3000/- Rs. 6,000/-	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison NC 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, managelorganize 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 c fairty, Recognize & comply safe working practices, environment aspect and housekeeping Electrical, electronics and instrumentation, Electrical panel and wiring knowledge. Electronics indicators, switchgears and panel accessories, Motor fundamentals, drive system fundamentals, PLC, DCS programming software, SCADA, HMI development software, Preumatic, hydraulic components, Basics on industrial process AutoCAD (Mech), AutoCAD (Civil) / SolidWorks / MasterCAM /CNC Programming-Lathe / CNC Programming-ling / CNC Machining WIRE-CUT / Revirt / Stand-Pro / 3-D Max / Electrical CAD / Microcontroller Programming / Embedded System / PLC Programming / Internet-of-Tioning / Basic - Microcontroller Programming / Embedded System / PLC Programming / Internet-of-Tioning / Basic - Microcontroller Programming / Embedded System / PLC Programming / Internet-of-Tioning / Basic - Microcontroller / Internet-of-Tioning / Basic - Max - Programming - Microcontroller / Internet-of-Tioning / Basic - Microcontroller / Internet-of-Tioning	Pursuing Degree in Mech. Trades Pursuing Degree in Elec./Electronics Traders
29	ST 22 OT 125 ST 90	Advance I Control On-Job-Tr	nstallation and Demo of LE al CAD/CAM Diploma in Automation & aining	NSQF Level	Jan, 2024 July, 2024 Jan, 2024 July, 2024 Every Month	2 Weeks INDUS 25 Weeks 25 Weeks 25 Weeks 2 Weeks (75 Hrs.)	4 Hrs / Day 4 Hrs / Day 4 Hrs / Day 4 Hrs / Day NSQF Approved Timings	Rs. 3.540/- ARE TRAINII Rs. 25,000/- Rs. 25,000/- Rs. 3000/- Rs. 6,000/- Courses Course Fee	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison NC 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, managelorganize 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 c larity. Recognize & comply safe working practices, environment aspect and housekeeping. Electrical, electronics and instrumentation, Electrical panel and wiring knowledge. Electronics indicators, switchgears and panel accessories, Motor fundamentals, drive system fundamentals, PLC, DCS programming software, SCADA, HMI development software, Pneumatic, hydraulic components, Basics on industrial process AutoCAD (Mech), AutoCAD (Civil) / Solid/Works / 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 Welding / Computer Hardware and Networking / Basic Computer applications etc.	Pursuing Degree in Mech. Trades Pursuing Degree in Elec./Electronics Traders Pursuing ITI Trainees Eligibility
30 31 S	ST 22 OT 125 ST 90	Advance I Control On-Job-Tr	nstallation and Demo of LE al CAD/CAM Diploma in Automation &	NSQF Level	Jan, 2024 July, 2024 Jan, 2024 July, 2024 Every Month Starting dates	25 Weeks 25 Weeks 25 Weeks 25 Weeks 2 Weeks (75 Hrs.) 4 Weeks (150 Hrs.) Duration (Hours)	4 Hrs / Day TRIAL & SOFTWA 4 Hrs / Day 4 Hrs / Day 6.5 Hrs / Day	Rs. 3.540/- ARE TRAINII Rs. 25,000/- Rs. 25,000/- Rs. 3000/- Rs. 6,000/-	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison NC 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 white performing the task, Implement time management, managelorganize 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 c farity, Recognize & comply safe working practices, environment aspect and housekeeping Electrical, electronics and instrumentation, Electrical panel and wiring knowledge. Electronics indicators, switchgears and panel accessories, Motor fundamentals, drive system fundamentals, PLC, DCS programming software, SCADA, HMI development software, Pneumatic, hydraulic components, Basics on industrial process 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-Tings / Basic + Advance Melding / Computer Hardware and Networking / Basic Computer applications etc.	Pursuing Degree in Mech. Trades Pursuing Degree in Elec./Electronics Traders Pursuing ITI Trainees
30 31 S	ST 22 OT 125 ST 90 NQR QG-4.5-CG-	Mechanical Advance I Control On-Job-Tri	nstallation and Demo of LE al CAD/CAM Diploma in Automation & aining	NSQF Level 4.5	Jan, 2024 July, 2024 Jan, 2024 July, 2024 Every Month Starting dates Jan, 2024	25 Weeks 25 Weeks 25 Weeks 25 Weeks 2 Weeks (75 Hrs.) 4 Weeks (150 Hrs.) Duration (Hours)	4 Hrs / Day 4 Hrs / Day 4 Hrs / Day 4 Hrs / Day NSQF Approved Timings	Rs. 3.540/- ARE TRAINII Rs. 25,000/- Rs. 25,000/- Rs. 3000/- Rs. 6,000/- Courses Course Fee	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison NC 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 white performing the task, Implement time management, managelorganize 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 c farity, Recognize & comply safe working practices, environment aspect and housekeeping Electrical, electronics and instrumentation, Electrical panel and wiring knowledge. Electronics indicators, switchgears and panel accessories, Motor fundamentals, drive system fundamentals, PLC, DCS programming software, SCADA, HMI development software, Pneumatic, hydraulic components, Basics on industrial process AutoCAD (Mech), AutoCAD (Civil) / Solid/Works / 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-Tings / Basic + Advance Industrial Electrical Maintenance / Basis Mechatronics / Basic + Advance Pneumatics / Basic + Advance Welding / Computer Hardware and Networking / Basic Computer applications etc. Brief Contents Understand the Concept of Production Process, Read, Interpret and Create Part Drawing using Auto-CAD Create, Generate and Execute CNC Program for Manufacturing Process, Check and Inspect dimensions of machined Part using various Measuring instrument, Employability skills Demonstrate the Basic Machine Operation, Maintenance of Hydraulics & Pneumatics Components, Create & Modify the Electrical Circuit diagram using CAD software, Basics of Industrial Automation,	Pursuing Degree in Mech. Trades Pursuing Degree in Elec./Electronics Traders Pursuing ITI Trainees Eligibility Preferably Diploma in Mech./ Prod. / Tool Design/
30 31 S No.	ST 22 OT 125 ST 90 NQR QG-4.5-CGVI-MSME QG-4.5-CGVI-MSME	Advance I Control On-Job-Tr	nstallation and Demo of LE al CAD/CAM Diploma in Automation & aining Name of the Course CNC Programmer-Tool Room Sr. Technician-Machine	NSQF Level 4.5 Level 4.5	Jan, 2024 July, 2024 Jan, 2024 July, 2024 Every Month Starting dates Jan, 2024 July, 2024 Jan, 2024 July, 2024 Jan, 2024 July, 2024	2 Weeks INDUS 25 Weeks 25 Weeks 25 Weeks 2 Weeks (75 Hrs.) 4 Weeks (150 Hrs.) Duration (Hours) 600 Hrs.	4 Hrs / Day TRIAL & SOFTWA 4 Hrs / Day 4 Hrs / Day 6.5 Hrs / Day NSQF Approved Timings 6 Hrs / Day	Rs. 3.540/- ARE TRAINII Rs. 25,000/- Rs. 25,000/- Rs. 3000/- Rs. 6,000/- Courses Course Fee Rs. 60,000/-	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison NC 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, managelorganize 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 c larity, Recognize & comply safe working practices, environment aspect and housekeeping. Electrical, electronics and instrumentation, Electrical panel and wiring knowledge. Electronics indicators, switchgears and panel accessories, Motor fundamentals, drive system fundamentals, PLC, DCS programming software, SCADA, HMI development software, Pneumatic, hydraulic components, Basics on industrial pracess AutoCAD (Mech), AutoCAD (Cwill) / 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 Programming / Embedded System / PLC Programming / Internet-of-Things / Basic + Advance Programming / Computer Hardware and Networking / Basic Computer applications etc. Brief Contents Understand the Concept of Production Process, Read, Interpret and Create Part Drawing using Auto-CAD Create, Generate and Execute CNC Program for Manufacturing Process, Check and Inspect dimensions of machined Part using various Measuring instrument, Employability skills Demonstrate the Basic Machine Operation, Maintenance of Hydraulics & Pneumatics Components, Create & Modify the Electrical circuit diagram using CAD software, Basics of Industrial Automation, Employability skill	Pursuing Degree in Mech. Trades Pursuing Degree in Mech. Traders Pursuing Degree in Elec./Electronics Traders Pursuing ITI Trainees Eligibility Preferably Diploma in Mech./ Prod. / Tool Design/ Mould Meking! Automobile/ 2 Year ITI Preferably Persuing Degree/ Diploma or 2 ITI Passout with 1 year experience
30 31 S No. 32	ST 22 OT 125 ST 90 NQR QG-4.5-CGVI-MSME QG-4.5-CGVI-MSME	Mechanica Advance I Control On-Job-Tr Code -02403-2024 -02409-2024	nstallation and Demo of LE al CAD/CAM Diploma in Automation & aining Name of the Course CNC Programmer-Tool Room Sr. Technician-Machine Maintenance And Automation Junior Designer CAD/CAM	NSQF Level 4.5 Level 4.5	Jan, 2024 July, 2024 Jan, 2024 July, 2024 Every Month Starting dates Jan, 2024 July, 2024 Jan, 2024 July, 2024 Jan, 2024 July, 2024 Jan, 2024 July, 2024	2 Weeks INDUS 25 Weeks 25 Weeks 2 Weeks (75 Hrs.) 4 Weeks (150 Hrs.) Duration (Hours) 600 Hrs. 600 Hrs.	4 Hrs / Day 4 Hrs / Day 4 Hrs / Day 4 Hrs / Day NSQF Approved Timings 6 Hrs / Day 6 Hrs / Day	Rs. 3.540/- ARE TRAINII Rs. 25,000/- Rs. 25,000/- Rs. 3000/- Rs. 6,000/- Course Fee Rs. 60,000/- Rs. 40,000/-	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison NC 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 Plotting in CAD, Interpret & write CAM program for CNC machines. Describe reverse engineering and Plotting in CAD, Interpret & write CAM program for CNC machines, Describe reverse engineering and Plotting in CAD, Interpret & write CAM program for CNC machines, Describe reverse engineering and Plotting in CAD, Interpret & write CAM, Implement soft skills, working with Computer and communicate with required c larity. Recognize & compty safe working practices, environment aspect and housekeeping. Electrical, electronics and instrumentation, Electrical panel and wiring knowledge. Electronics indicators, switchgears and panel accessories, Motor fundamentals, drive system fundamentals, PLC, DCS programming software, SCADA, HMI development software, Pneumatic, hydraulic components, Basics on industrial process. AutoCAD (Mech), AutoCAD (Civil) / SolidWorks / MasterCAM /CNC Programming-Lathe / CNC Programming-Milling / CNC Machining (WIRE-CUT) / Revit / Stand-Pro / 3-D Max / Electrical CAD / Microbontroller Programming / Embedded System / PLC Programming / Internet-of-Things / Basic + Advance Industrial Electrical Maintenanace / Basis Mechatronics / Basic + Advanane Pneumatics / Basic + Advance Welding / Computer Hardware and Networking / Basic Computer applications etc. Brief Contents Understand the Concept of Production Process, Read, Interpret and Create Part Drawing using Auto-CAD Create, Generate and Execute CNC Program for Manufacturing Process, Check and Inspect dimensions of machined Part using various Measuring instrument, Employability skills Demonstrate the Basic Machine Operation, Maintenance of Hydraulics & Pneumatics Components, Create & Modify Pa	Pursuing Degree in Mech. Trades Pursuing Degree in Elec./Electronics Traders Pursuing ITI Trainees Eligibility Preferably Diploma in Mech./ Prod. / Tool Design/ Mould Making/ Automobile/ 2 Year ITI Preferably Persuing Degree/ Diploma or 2 ITI Passout with 1 year experience
30 31 S No. 32	ST 22 OT 125 ST 90 NQR QG-4.5-CGVI-MSME QG-4.5-CGVI-MSME	Mechanical Advance I Control On-Job-Tri On-J	nstallation and Demo of LE al CAD/CAM Diploma in Automation & aining Name of the Course CNC Programmer-Tool Room Sr. Technician-Machine Maintenance And Automation	NSQF Level 4.5 Level 4.5	Jan, 2024 July, 2024 Jan, 2024 July, 2024 Every Month Starting dates Jan, 2024 July, 2024 Jan, 2024 July, 2024 Jan, 2024 July, 2024	25 Weeks 25 Weeks 25 Weeks 2 Weeks (75 Hrs.) 4 Weeks (150 Hrs.) Duration (Hours) 600 Hrs.	4 Hrs / Day 4 Hrs / Day 4 Hrs / Day 4 Hrs / Day NSQF Approved Timings 6 Hrs / Day	Rs. 3.540/- ARE TRAINII Rs. 25,000/- Rs. 25,000/- Rs. 3000/- Rs. 6,000/- Course Fee Rs. 60,000/-	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison NC 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 white performing the task, Implement time management, managelorganize 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 c larity, Recognize & comply safe working practices, environment aspect and housekeeping Electrical, electronics and instrumentation, Electrical panel and wiring knowledge, Electronics indicators, switchgears and panel accessories, Motor fundamentals, drive system fundamentals, PLC, DCS programming software, SCADA, HMI development software, Pneumatic, hydraulic components, Basics on industrial process 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-Tings / Basic + Advance Industrial Electrical Maintenanace / Basis Mechatronics / Basic + Advance Pneumatics / Basic + Advance Welding / Computer Hardware and Networking / Basic Computer applications etc. Brief Contents Understand the Concept of Production Process, Read, Interpret and Create Part Drawing using Auto-CAD Create, Generate and Execute CNC Program for Manufacturing Process, Check and Inspect dimensions of machined Part using various Measuring instrument, Employability skills Demonstrate the Basic Machine Operation, Maintenance of Hydraulics & Pneumatics Components, Create & Modify Part Model using CAD Software, Generate Part Program Using CAM Software, (CAM), Analyze Part	Pursuing Degree in Mech. Trades Pursuing Degree in Mech. Traders Pursuing Degree in Elec./Electronics Traders Pursuing ITI Trainees Eligibility Preferably Diploma in Mech./ Prod. / Tool Design/ Mould Meking! Automobile/ 2 Year ITI Preferably Persuing Degree/ Diploma or 2 ITI Passout with 1 year experience
30 31 S No. 32	ST 22 OT 125 ST 90 NQR QG-4.5-CG-1-VI-MSME QG-4.5-CG-1-VI-MSME	Mechanical Advance I Control On-Job-Tri Code -02403-2024 -02409-2024 -02404-2024 -02406-2024	nstallation and Demo of LE al CAD/CAM Diploma in Automation & aining Name of the Course CNC Programmer-Tool Room Sr. Technician-Machine Maintenance And Automation Junior Designer CAD/CAM	NSQF Level 4.5 Level 4.5 Level 4.5	Jan, 2024 July, 2024 Jan, 2024 July, 2024 Every Month Starting dates Jan, 2024 July, 2024	2 Weeks INDUS 25 Weeks 25 Weeks 2 Weeks (75 Hrs.) 4 Weeks (150 Hrs.) Duration (Hours) 600 Hrs. 600 Hrs.	4 Hrs / Day 4 Hrs / Day 4 Hrs / Day 4 Hrs / Day NSQF Approved Timings 6 Hrs / Day 6 Hrs / Day	Rs. 3.540/- ARE TRAINII Rs. 25,000/- Rs. 25,000/- Rs. 3000/- Rs. 6,000/- Course Fee Rs. 60,000/- Rs. 40,000/-	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison NC 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 white performing the task, Implement time management, managelorganize 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 c larity, Recognize & comply safe working practices, environment aspect and housekeeping Electrical, electronics and instrumentation, Electrical panel and wiring knowledge. Electronics indicators, switchgears and panel accessories, Motor fundamentals, drive system fundamentals, PLC, DCS programming software, SCADA, HMI development software, Pneumatic, hydraulic components, Basics on industrial process 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 - Interpret Canada - Advance Industrial Electrical Maintenanace / Basis Mechatronics / Basic + Advance Pneumatics / Basic + Advance Welding / Computer Hardware and Networking / Basic Computer applications etc. Brief Contents Understand the Concept of Production Process, Read, Interpret and Create Part Drawing using Auto-CAD Create, Generate and Execute CNC Program for Manufacturing Process, Check and Inspect dimensions of machined Part using various Measuring instrument, Employability skills Demonstrate the Basic Machine Operation, Maintenance of Hydraulics & Pneumatics Components, Create & Modify Part Model using CAD Software, Generate Part Program Using CAM Software, Generate CNC Program, Employ	Pursuing Degree in Mech. Trades Pursuing Degree in Mech. Traders Pursuing Degree in Elec./Electronics Traders Pursuing ITI Trainees Eligibility Preferably Diploma in Mech./ Prod. / Tool Design/ Mould Making/ Automobile/ 2 Year ITI Preferably Persuing Degree/ Diploma or 2 ITI Passout with 1 year experience Preferably Persuing Degree / Passout Diploma
30 31 31 32 33 34 35	ST 22 OT 125 ST 90 NQR QG-4.5-CGVI-MSME QG-4.5-CGVI-MSME QG-4.5-CGVI-MSME	Mechanica Advance I Control On-Job-Tr Code -02403-2024 -02409-2024 -02406-2024 02411-2024	nstallation and Demo of LE al CAD/CAM Diploma in Automation & aining Name of the Course CNC Programmer-Tool Room Sr. Technician-Machine Maintenance And Automation Junior Designer CAD/CAM Jr. Designer - Tool Technician - CNC Machining	NSQF Level 4.5 Level 4.5 Level 4.5	Jan, 2024 July, 2024 Jan, 2024 July, 2024 Every Month Starting dates Jan, 2024 July, 2024	25 Weeks 25 Weeks 25 Weeks 2 Weeks (75 Hrs.) 4 Weeks (150 Hrs.) 600 Hrs. 600 Hrs. 600 Hrs.	4 Hrs / Day TRIAL & SOFTWA 4 Hrs / Day 4 Hrs / Day 6.5 Hrs / Day NSQF Approved Timings 6 Hrs / Day 6 Hrs / Day 6 Hrs / Day	Rs. 3.540/- ARE TRAINII Rs. 25,000/- Rs. 3000/- Rs. 3000/- Rs. 6,000/- Courses Course Fee Rs. 60,000/- Rs. 40,000/- Rs. 45,000/-	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison NC 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, managelorganize 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 c larity, Recognize & comply safe working practices, environment aspect and housekeeping. Electrical, electronics and instrumentation, Electrical panel and wiring knowledge. Electronics indicators, switchgears and panel accessories, Motor fundamentals, drive system fundamentals, PLC, DCS programming software, SCADA, HMI development software, Pneumatic, hydraulic components. Basics on industrial pracess AutoCAD (Mech), AutoCAD (Cniil) / 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. Brief Contents Understand the Concept of Production Process, Read, Interpret and Create Part Drawing using Auto-CAD Create, Generate and Execute CNC Program for Manufacturing Process, Check and Inspect dimensions of machined Part using various Measuring instrument, Employability skills Demonstrate the Basic Machine Operation, Maintenance of Hydraulics & Pneumatics Components, Create & Modify Part Model using CAD Software, Generate Part Program Using CAM Software, Generate CNC Progra	Pursuing Degree in Mech. Trades Pursuing Degree in Elec./Electronics Traders Pursuing ITI Trainees Pursuing ITI Trainees Purferably Diploma in Mech./ Prod. / Tool Design/ Mould Meking! Automobile/ 2 Year ITI Preferably Persuing Degree / Diploma or 2 ITI Passout with 1 year experience Preferably Persuing Degree / Passout Diploma Preferably Persuing Degree / Passout Diploma 10th grade pass with two years of any combination of NTCINAC/CITS /ITI in relevant trades or equivalent.
30 31 31 32 33 34	ST 22 OT 125 ST 90 NQR QG-4.5-CGVI-MSME QG-4.5-CGVI-MSME QG-4.5-CGVI-MSME	Mechanical Advance I Control On-Job-Tri On-J	nstallation and Demo of LE al CAD/CAM Diploma in Automation & raining Name of the Course CNC Programmer-Tool Room Sr. Technician-Machine Maintenance And Automation Junior Designer CAD/CAM Jr. Designer - Tool	NSQF Level 4.5 Level 4.5 Level 4.5	Jan, 2024 July, 2024 Jan, 2024 July, 2024 Every Month Starting dates Jan, 2024 July, 2024 July, 2024 Jan, 2024 July, 2024 Jan, 2024 July, 2024 Jan, 2024 July, 2024 Jan, 2024 July, 2024 Jan, 2024 July, 2024	25 Weeks 25 Weeks 25 Weeks 2 Weeks (75 Hrs.) 4 Weeks (150 Hrs.) Duration (Hours) 600 Hrs. 600 Hrs.	4 Hrs / Day TRIAL & SOFTWA 4 Hrs / Day 4 Hrs / Day NSQF Approved Timings 6 Hrs / Day 6 Hrs / Day 6 Hrs / Day	Rs. 3.540/- ARE TRAINII Rs. 25,000/- Rs. 25,000/- Rs. 3000/- Rs. 6,000/- Rs. 6,000/- Rs. 40,000/- Rs. 40,000/- Rs. 45,000/-	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison NC 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 enjinearing and rapid prototyping technology, Apply professional & technical knowledge while performing the task, Implement time management, managelorganize 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 c farity, Recognize & compty safe working practices, environment aspect and housekeeping. Electrical, electronics and instrumentation, Electrical panel and wiring knowledge. Electronics indicators, switchgears and panel accessories, Motor fundamentals, drive system fundamentals, PLC, DCS programming software, SCADA, HMI development software, Pneumatic, hydraulic components. Basics on industrial process AutoCAD (Mech), AutoCAD (Covil) / 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. Brief Contents Understand the Concept of Production Process, Read, Interpret and Create Part Drawing using Auto-CAD Create & Modify the Electrical circuit diagram using CAD software, Basics of Industrial Automation, Employability skills Demonstrate the Basic Machine Operation, Maintenance of Hydraulics & Pneumatics Components, Create & Modify Part Model using CAD Software, Generate Part Program Using CAM Software, Generate CNC Program, Employability Skills, OJT Create & Modify Part	Pursuing Degree in Mech. Trades Pursuing Degree in Elec./Electronics Traders Pursuing ITI Trainees Pursuing ITI Trainees Purferably Diploma in Mech./ Prod. / Tool Design / Mould Making! Automobile / 2 Year ITI Preferably Persuing Degree / Diploma or 2 (TI) Passout with 1 year experience Preferably Persuing Degree / Passout Diploma Preferably Persuing Degree / Passout Diploma
30 31 31 32 33 34 35	ST 22 OT 125 ST 90 NQR QG-4.5-CGVI-MSME QG-4.5-CGVI-MSME QG-4.5-CGVI-MSME QG-04-CG-0 -VI-MSME	Mechanical Advance I Control On-Job-Tri On-J	nstallation and Demo of LE al CAD/CAM Diploma in Automation & raining Name of the Course CNC Programmer-Tool Room Sr. Technician-Machine Maintenance And Automation Junior Designer CAD/CAM Jr. Designer - Tool Technician - CNC Machining	NSQF Level 4.5 Level 4.5 Level 4.5	Jan, 2024 July, 2024 Jan, 2024 July, 2024 Every Month Starting dates Jan, 2024 July, 2024	25 Weeks 25 Weeks 25 Weeks 2 Weeks (75 Hrs.) 4 Weeks (150 Hrs.) 600 Hrs. 600 Hrs. 600 Hrs.	4 Hrs / Day TRIAL & SOFTWA 4 Hrs / Day 4 Hrs / Day 6.5 Hrs / Day NSQF Approved Timings 6 Hrs / Day 6 Hrs / Day 6 Hrs / Day	Rs. 3.540/- ARE TRAINII Rs. 25,000/- Rs. 3000/- Rs. 3000/- Rs. 6,000/- Courses Course Fee Rs. 60,000/- Rs. 40,000/- Rs. 45,000/-	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison NC 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 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, managelorganize 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 c larity. Recognize & comply safe working practices, environment aspect and housekeeping. Electrical, electronics and instrumentation, Electrical panel and wiring knowledge. Electronics indicators, switchgears and panel accessories, Motor fundamentals, drive system fundamentals, PLC, DCS programming software, SCADA, HMI development software, Pneumatic, hydraulic components, Basics on industrial process. 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 Welding / Computer Hardware and Networking / Basic Computer applications etc. Brief Contents Understand the Concept of Production Process, Read, Interpret and Create Part Drawing using Auto-CAD Create, Generate and Execute CNC Program for Manufacturing Process, Check and Inspect dimensions of machined Part using various Measuring instrument, Employability skills Demonstrate the Basic Machine Operation, Maintenance of Hydraulics & Pneumatics Components, Create & Modify Part Model, Design Suffaces using Higher end CAD Software, Generate Part Program Using CAM Soft	Pursuing Degree in Mech. Trades Pursuing Degree in Elec./Electronics Traders Pursuing ITI Trainees Pursuing ITI Trainees Purferably Diploma in Mech./ Prod. / Tool Design/ Mould Making/ Automobile/ 2 Year ITI Preferably Persuing Degree / Diploma or 2 ITI Passout with 1 year experience Preferably Persuing Degree / Passout Diploma Preferably Persuing Degree / Passout Diploma 10th grade pass with two years of any combination of MTCINAC/CITS /ITI in relevant trades or equivalent. 12th Passout / Preferably Persuing / Passout Diploma
30 31 31 S NO. 32 33 34 35 36 37	ST 22 OT 125 ST 90 NQR QG-4.5-CGVI-MSME QG-4.5-CGVI-MSME QG-04-CG-0 -VI-MSME QG-04-CH-0 -VI-MSME	Mechanical Advance I Control On-Job-Tri On-J	nstallation and Demo of LE al CAD/CAM Diploma in Automation & aining Name of the Course CNC Programmer-Tool Room Sr. Technician-Machine Maintenance And Automation Junior Designer CAD/CAM Jr. Designer - Tool Technician - CNC Machining Technician - Audio Video Systems Technician - Hand Held	NSQF Level 4.5 Level 4.5 Level 4.5 Level 4.5 Level 4.5	Jan, 2024 July, 2024 Jan, 2024 July, 2024 Every Month Starting dates Jan, 2024 July, 2024	25 Weeks 25 Weeks 25 Weeks 25 Weeks 2 Weeks (75 Hrs.) 4 Weeks (150 Hrs.) 600 Hrs. 600 Hrs. 600 Hrs.	4 Hrs / Day TRIAL & SOFTWA 4 Hrs / Day 4 Hrs / Day NSQF Approved Timings 6 Hrs / Day 6 Hrs / Day 6 Hrs / Day 8 Hrs / Day	Rs. 3.540/- ARE TRAINII Rs. 25,000/- Rs. 25,000/- Rs. 3000/- Rs. 6,000/- Courses Course Fee Rs. 40,000/- Rs. 45,000/- Rs. 45,000/- Rs. 45,000/-	and installation. Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment companison OC 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 white performing the task, implement me management, manageoirganize 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 c larity, Recognize & comply safe working practices, environment aspect and housekeeping Electrical, electronics and instrumentation, Electrical panel and wiring knowledge, Electronics indicators, switchgears and panel accessories, Motor fundamentals, office system fundamentals, PLC, DCS programming software, SCADA, HMI development software, Pneumatic, hydraulic components, Basics on industrial process AutoCAD (Mech), AutoCAD (Civil) / SolidWorks / MasterCAM /CNC Programming-Lathe / CNC Programming-Milling / CNC Machining (WiRE-CUT) / Revit / Stand-Pro / 3-D Max / Electrical CAD / Microcontroler Programming / Embedded System / PLC Programming / Internet-of-Things / Basic + Advance Industrial Electrical Maintenanace / Basis Mechatronics / Basic + Advanace Pneumatics / Basic + Advance Welding / Computer Hardware and Networking / Basic Computer applications etc. Brief Contents Understand the Concept of Production Process, Read, Interpret and Create Part Drawing using Auto-CAD Create, Generate and Execute CNC Program for Manufacturing Process, Check and Inspect dimensions of machined Part using various Measuring instrument, Employability skills Demonstrate the Basic Machine Operation, Maintenance of Hydraulics & Pneumatics Components, Create & Modify Part Model using CAD Software, Generate Part Program Using CAM Software (CAM), Analyze Part M	Pursuing Degree in Mech. Trades Pursuing Degree in Elec./Electronics Traders Pursuing ITI Trainees Preferably Diploma in Mech./ Prod. / Tool Design/ Mould Meking/ Automobile / 2 Year ITI Preferably Persuing Degree / Diploma or 2 ITI Passout with 1 year experience Preferably Persuing Degree / Passout Diploma Preferably Persuing Degree / Passout Diploma 10th grade pass with two years of any combination of NTC/NAC/CITS /ITI in relevant trades or equivalent. 12th Passout / Preferably Persuing / Passout Diploma (any field) / Degree (any field) 12th Passout / Preferably Persuing / Passout Diploma (any field) / Degree (any field) HSC / ITI (2 years) / Diploma (any field) /
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