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.
4. 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 Machine Operations
Short Duration	:	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

* 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

1. Self Attested copy of 10th certificate.
2. 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)
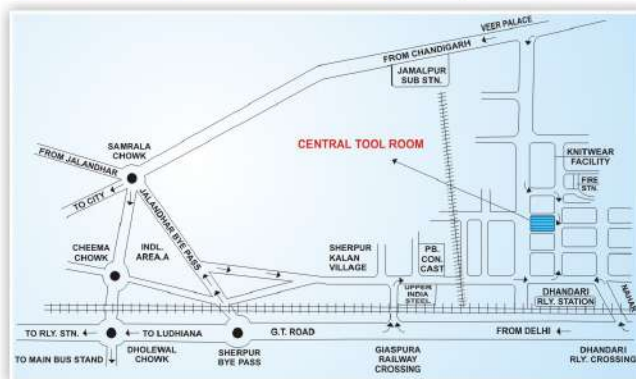
Only For NSQF Compliant Course

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

Note:-

1. 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.
3. 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-V, 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 2023-2024

CTR LUDHIANA
केन्द्रीय टूल रूम

MSME Technology Centre-Ludhiana
Central Tool Room

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

SCHEDULE OF TRAINING PROGRAMMES FROM APRIL 2023 TO MARCH 2024

S No.	Code	Name of the Course	Starting dates	Duration	Timings	Course 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 2D tool path, Generate 3D tool path, Observe & follow safety, Communicate effectively	10th Pass
6	ST 06	DelCAM	Every Month	96 Hours	9.00 AM-5.00PM	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	10th Pass
7	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
8	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				
9	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
					CNC MACHINING COURSES				
11	ST 11	CNC Programming - Lathe	Every Month	96 Hours	9.00 AM-5.00PM	Rs. 9,440/-	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. 9,440/-	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
13	ST 13	CNC Programming - Milling	Every Month	96 Hours	9.00 AM-5.00PM	Rs. 9,440/-	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	Every Month	96 Hours	9.00 AM-5.00PM	Rs. 9,440/-	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	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
16	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				
17	ST 16	Computer Hardware & Networking	Every Month	96 Hours	4 Hrs / Day	Rs. 6,254/-	Basic Electronics, Computer Software, Computer Hardware, Networking	10th Pass
18	ST 18	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 anEmbedded 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 peripherals.	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, Alarm logging and tag logging.	10th Pass
22	OT 122	Internet of Things (IoT)	Every Month	96 Hours	4 Hrs / Day	Rs. 6,254/-	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 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.	10th Pass
23	OT-150	Basic Pneumatics	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, Foot operated valve. Practice of various Industrial Mobile Pneumatic Circuits including control of Bus Door, Cascading, Lifting mechanism.	10th Pass
25	OT-148	Automation with Pneumatics using PLC	Every Month	96 Hours	4 Hrs / Day	Rs. 9,440/-	Introduction to Automation, Introduction to PLC, Introduction to PLC Software (S7 Simatic Manager, Various exercises on Bit logic, Counter,Timer and Cooperator in Ladder programming, Introduction to Pneumatic & Electro-Pneumatic system, Working and identification of various Pneumatic & Electro-Pneumatic components, Hands on Practices using various Pneumatic & Electro-Pneumatic components and PLC.	10th Pass
26	OT-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 contents, cable overview, terminal diagram, parts reports), Export EPLAN Project to PDF and DXF/DWG	10th Pass
					SAMSUNG COLLABORATED COURSES				
27	ST 20	AC Installation	Every Month	2 Weeks	4 Hrs / Day	Rs. 3,540/-	Introduction to basic Refrigeration Cycle, Tube Cutting, Tube Straightening, Flare making, brazing and installation.	10th Pass
28	ST 21	AVIIDM (Installation and Demo of LED's)	Every Month	2 Weeks	4 Hrs / Day	Rs. 3,540/-	Introduction, Basics, Installation Process, Remote Controller and key features, Software upgradation, Making connections & Segment comparison	10th Pass
					INDUSTRIAL & SOFTWARE TRAINING				
29	ST 22	Mechanical CAD/CAM	July, 2023 Jan, 2024	25 Weeks	4 Hrs / 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 c larity, Recognize & comply safe working practices, environment aspect and housekeeping	Pursuing Degree in Mech. Trades
30	OT 125	Advance Diploma in Automation & Control	July, 2023 Jan, 2024	25 Weeks	4 Hrs / Day	Rs. 25,000/-	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 Elec./Electronics Traders
31	ST 90	On-Job-Training	Every Month	2 Weeks (75 Hrs.) 4 Weeks (150 Hrs.)	6.5 Hrs / Day	Rs. 3000/- 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 / Basic Computer applications etc.	Pursuing ITI Trainees

NSQF Approved Courses

S No.	QP Code	Name of the Course	NSQF Level	Starting dates	Duration (Hours)	Timings	Course Fee	Brief Contents	Eligibility
32	MSME/PGDTD &CC/01	Post Graduate Diploma in Tool Design & CAD/CAM	Level 8	Jul-23	2340 Hrs. (18 Months) 3 Semesters	6 Hrs / Day	Rs. 40,000/- per semester	CNC Programming and CNC Machining, Computer Aided Design (CADAuto 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-II (Pro-E), Computer Aided Engineering (Ansys), Rapid Prototyping and Reverse Engineering, Entrepreneurship, Engineering Research Methodology	Preferably Graduate (Mech. Engineering / Prod. Engineering or equivalent)
33	MSME/ADCNC/06	Advanced Diploma in CNC Programming Techniques and Practices	Level 6	Jul, 2023 Jan, 2024	900 Hrs. (6 Months)	6 Hrs / Day	Rs. 60,000/-	Production Technology, Auto-CAD, Engineering Drawing, Metrology, CNC Programming, Master CAM, Unigraphics, Project Work, Material Technology, Comunication Skill	Preferably Diploma in Mech./ Prod./ Tool Design/ Mould Making/ Automobile
34	MSME/PDCC/ 13	Post Diploma In CAD/CAM	Level 6	Jul, 2023 Jan, 2024	1560 Hrs. (12 Months) 2 Semesters	6 Hrs / Day	Rs. 45,000/- per semester	Engineering Drawing, CNC Part Programming, Computer Fundamentals and Auto CAD, Solidworks, Pro-Engineer, Finite Element Analysis (FEA),Reverse Engineering, Work NC, Master CAM, Unigraphics -NX,Entrepreneurship and Managerial Skills, CATIA, Basic Engineering Concept, Safety and Maintenance	Degree / Diploma in Mech./ Prod. / Tool & Die Making / Automobile or equivalent.
35	MSME/PDTDM/10	Post Diploma In Tool and Die Manufacturing	Level 6	Jul, 2023 Jan, 2024	1560 Hrs. (12 Months) 2 Semesters	6 Hrs / Day	Rs. 40,000/- per semester	CNC Programming and CNC Machining, Computer Aided Design (CAD Auto CAD / Collab CAD and Solid Works), Fundamental of Tool & Die Manufacturing, Engineering Metrology and Quality Assurance, Production Planning & Controls, Computer Aided Manufacturing, (Master CAM & Unigraphics CAM), Advance CAM (Del CAM–3 Axis and 5 Axis), Engineering Materials and Heat Treatment, Total Quality Management, Metal Cutting and Tool Design, Entrepreneurship	Preferably Diploma (Mech. Engineering or equivalent)
36	MSME/ADMMA/44	Advanced Diploma In Machine Maintenance and Automation	Level 6	Jul, 2023 Jan, 2024	780 Hrs. (6 Months)	6 Hrs / Day	Rs. 40,000/-	Machine Operation, Electrical Hardware Logic Control, Electrical Machines, Pneumatic And Hydraulics, Machine Maintenance, PLC, SCADA, HMI, TIA Portal, Communication, Auto Cad Electrical, Basic Electronics	Preferably Degree/ Diploma in Electrical/ Instrumentation or equivalent engineering pass
37	MSME/MCCCC/38	Master Certificate Course in CAD/CAM	Level 6	Jul, 2023 Jan, 2024	780 Hrs. (6 Months)	6 Hrs / Day	Rs. 40,000/-	Computer Aided Design (CAD-Auto CAD and Solid works), Computer Aided Design & Computer Aided Manufacturing (Unigraphics CAD & Unigraphics CAM), Computer Aided Engineering (ANSYS), Advance Computer Aided Design (CREO Parametric and CATIA), CNC Programming and CNC Machining, Entrepreneurship, Course-work: Project	Preferably Degree/ Diploma in Electrical/ Instrumentation or equivalent engineering pass
38	MSME/MCCCT/ 41	Master Certificate Course in CNC Technology	Level 6	Jul, 2023 Jan, 2024	780 Hrs. (6 Months)	6 Hrs / Day	Rs. 45,000/-	Planning, sequence of operations, Execution of Job, Arrangement of tools & accessories, Elements of tools with their Functions, Manufacturing Process & Process Plan, Tool & Die Manufacturing Plan, Manual part programming, Execution of CNC Programme through CAM, Basic Health & Safety Practices, Total Quality Management,Communication & Entrepreneurship Skill, Problem solving, Project work on live jobs.	Preferably Diploma in (Mech. Engineering or equivalent)
39	MSME/MCCTD/ 42	Master Certificate Course in Tool Design	Level 6	Jul, 2023 Jan, 2024	780 Hrs. (6 Months)	6 Hrs / Day	Rs. 45,000/-	Computer Aided Design (CAD-Auto CAD and Solid works), Computer Aided Design & Computer Aided manufacturing (Unigraphics CAD & Unigraphics CAM), Design of Jigs & Fixtures, Design of Press Tools, Design of Moulds, Design of Die Casting Dies, Entrepreneurship, Coursework: Project	Preferably Degree / Diploma (Mech. Engineering or equivalent)
40	MSME/CCAM/07	Certificate Course in Advance Machining	Level 5	Jul, 2023 Jan, 2024	1920 Hrs. (12 Months) 2 Semesters	8 Hrs / Day	Rs. 40,000/- per semester	Production Technology, Engineering Drawing, Metrology, Material Technology, Auto CAD, CNC Lathe, CNC Milling, Non-Conventional Machine, Inplant Training, Comunication Skill	Preferably ITI fitter.
41	MSME/AV/66	ARISE Audio Video (AV)	Level 5	Jul, 2023 Jan, 2024	460 Hrs. (3 Months)	8 Hrs / Day	Rs. 15,000/-	Identify Customers Requirement and Create Conceptual Servicing Schedule, Safety, Electronics Fundamental, Basic Electronics, Semiconductor, Transistor, Basic, Safety & Precautions, Soldering And Disordering, Types Of TVs, CRT TV, LCD TV, LED TV, Plasma TV, Smart TV, DVD Player, Home Audio, On Job Training (OJT)	HSC / ITI (2 years) / Diploma (any field) / Degree (any field)
42	MSME/HHP/67	ARISE Hand Held Products (HHP)	Level 5	Jul, 2023 Jan, 2024	460 Hrs. (3 Months)	8 Hrs / Day	Rs. 15,000/-	Identify Customers Requirement and Create Conceptual Servicing Schedule, Safety, Electronics Fundamental, Basic Electronics, Semiconductor, Transistor, Basic Technology, Overview of Technologies, Safety and Precautions, Basic Tools Identification & Function, Product Overview, Types of Mobile Phone & Its Features, Assembly & Disassembly Process, Soldering and Desoldering Process, Software About & Imei Writing, Troubleshooting, On Job Training (OJT)	HSC / ITI (2 years) / Diploma (any field) / Degree (any field)
43	MSME/RACHA/68	ARISE Room Air Conditioner & Home Appliances (RACHA)	Level 5	Jul, 2023 Jan, 2024	610 Hrs. (4 Months)	8 Hrs / Day	Rs. 20,000/-	Identify Customer'S Requirement and Create Conceptual Servicing Schedule, Safety, Electronics Fundamental, Basic Electronics, Semiconductor, Transistor, Racha Introduction, Basic Terminology, Air Condotioner - Basics, Air Conditioner – Tools & Safety, Air Conditioner– Installation, Air Conditioner - Trouble Shooting, Refrigerator Basics, Refrigerator, Refrigerator Sealed System, Washing Machine Basics,Washing Machine, Microwave Oven Basics, Microwave Oven, On Job Training (OJT)	HSC / ITI (2 years) / Diploma (any field) / Degree (any field)
44	MSME / HT/ 23	Certificate Course in Heat Treatment	Level 4	Jul, 2023 Jan, 2024	3120 Hrs (2 Years)	6 Hrs / Day	Rs. 20,000/- per year	Engineering Drawing,Communication At Workplace, Safety Practices,Engineering Metals, Mechanical Properties & Spark Testing, Heat Treatment-I(Plain Carbon Steels), Heat Treatment-II(Low Carbon Steels), Heat Treatment-III(Alloy Steels), Heat Treatment Practice, 6 Months In-Plant Training(On-The-Job Training), 6 Months Internship	Preferably 10th pass
45	MSME/CCTDM/29	Condensed Course In Tool and Die Making	Level 4	Jul, 2023 Jan, 2024	1560 Hrs. (12 Months) 2 Semesters	6 Hrs / 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
46	MSME/CCCT/55	Certificate Course in CNC Turning	Level 4	Jul, 2023 Jan, 2024	780 Hrs. (6 Months)	6 Hrs / Day	Rs. 40,000/-	Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation, Quality Management System, Group Discussion and Personality Improvement, CNC Turning Programming & CNC Machining, Employability Skill, CNC Turning Programming – On Job Training	10th passed or its equivalent. Minimum age 15 years
47	MSME/CCCM/54	Certificate Course in CNC Milling	Level 4	Jul, 2023 Jan, 2024	780 Hrs. (6 Months)	6 Hrs / Day	Rs. 40,000/-	Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation, Quality Management System, Group Discussion and Personality Improvement, CNC Milling Programming & CNC Machining, Employability Skill, CNC Milling Programming – On Job Training	10th passed or its equivalent. Minimum age 15 years
48	MSME/CCMO/21	Certificate Course in Machine Operations	Level 3	Jul, 2023 Jan, 2024	1560 hrs (12 Months) 2 Semesters	6 Hrs / Day	Rs. 35,000/- per semester	Machine Shop Theory, Engineering Metrology, Engineering Drawing, Workshop Calculation and Science, Employability Skill, Practical Lab, Project	8th pass and Minimum Age 15 Years
49	MEP/Q7301	Fire - Fighter	Level 5	Jul, 2023 Jan, 2024	620 Hrs.	6 Hrs / Day	Rs. 15,000/-	Identify type of fire and response required, Carry out first aid fire fighting using portable extinguishers, Respond to the fire incidents using firefighting systems, Carry out rescue operation and administer medical first-aid, Inspect installed fire safety equipment and systems for operational readiness, Maintain health and safety of self and others, Work effectively as a Fire-fighter	10th passed and Minimum age 18 years
50	2015/MIN/SCMS/0408	Fireman	Level 4	Every Month	120 Hrs.	6 Hrs / Day	Rs. 5,000/-	Undertake actions to prevent the fire situation in a mine, Conduct fire rescue operations, Health and Safety	Class 12th

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