

MSME Technology Center Jalandhar



केन्द्रीय हस्त औजार संस्थान, जालन्धर
CENTRAL INSTITUTE OF HAND TOOLS, JALANDHAR
भारत सरकार की सोसायटी
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
Government of India Society
Ministry of Micro, Small & Medium Enterprises



CALENDAR OF TRAINING PROGRAMMES FOR THE YEAR 2024-25

Sl. No.	Title of programme/ course	Course/ QP Code	Dates of Commencement	Duration	Timings	Intake Capacity/ Batch	Basic Qualification	Fee	Contents in brief
A. Short Term Skill Development Programmes with online option NSQF EXEMPTED									
1. CAD/ CAM Courses									
1	AutoCAD – Mechanical	MSME / ACAD / 77	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	6800/-	Software Training : Create 2D sketch, Edit of models, Understand the layer management & block, Create solid model for mechanical components, Apply mechanical rendering. Specialized Courses Observe & follow safety and Communicate effectively.
2	Solidworks	MSME/ SDWRKS / 78	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	10200/-	Software Training: Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting. Specialized Courses Observe & follow safety and Communicate effectively.
3	CREO Parametric	MSME / CREO / 81	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	10200/-	Software Training: Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting Specialized Courses Observe & follow safety and Communicate effectively.
4	MasterCAM	MSME/MCAM/100	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	10200/-	Software Training: Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting Specialized Courses Observe & follow safety and Communicate effectively.
5	Unigraphics	MSME / UNI / 79	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	11300/-	Software Training: Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting Specialized Courses Observe & follow safety and Communicate effectively.

6	CATIA	MSME /CATIA / 80	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	11300/-	Software Training: Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting Specialized Courses Observe & follow safety and Communicate effectively.
7	ANSYS	MSME / ANSYS / 82	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	11300/-	Software Training: Understand Finite Element Methods & GU of ANSYS, Perform Structural Analysis for 1D elements, Analysis of 2D Structure, Analysis of 3D Structure, Analysis of 1D, 2D, 3D Thermal Elements. Specialized Courses Observe & follow safety and Communicate effectively.

PLC / Automation/ Electronics Courses

8	E CAD	MSME/ECAD/91	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	6800/-	Practical: Software Training on E-CAD software, design different types of electrical circuits. Specialized Courses Observe & follow safety and Communicate effectively.
9	PLC programming	MSME/PLC/87	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	8500/-	Theory: Basic Electronics, Switching ,Logic Gates, Wiring of PLC, Broad knowledge of PLC programming, Practical: Software Training and Interfacining with PLC Panne apply ladder logic principles for solutions to the specific problems. Software: Software for PLC programming(allen Broadly) Specialized Courses Observe & follow safety and Communicate effectively.
10	SCADA	MSME/SCADA/88	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	8500/-	Practical : SCADA design, SCADA design principles , software for generating solutions in SCADA, communicate effectively, observe & follow safety Specialized Courses Observe & follow safety and Communicate effectively.
11	Embedded systems	MSME/ ES / 89	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	8500/-	Practical : Embedded system, Programming Languages And Operation Of 32 Bit Microcontroller, Software For Generating Solutions In EMBEDDED SYSTEM. Specialized Courses Observe & follow safety and Communicate effectively.
12	VLSI	MSME/VLSI/90	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	8500/-	Practical: VLSI.code of component, Front-End & BACK-End Design principles, software for generating solutions in VLSI Specialized Courses Observe & follow safety and Communicate effectively.

CNC Programming & machining Courses

13	CNC Programming - Lathe	MSME/ CNCPL / 92	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	9000/-	Theory: List different Cutting tooling standards , Develop mathematical / Analytical skills Practical: Execute CNC Programme on CNC simulator, CNC Lathe Programming - On job training. Specialized Courses Observe & follow safety and Communicate effectively.
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14	CNC Machining - Lathe	MSME/ CNCML / 93	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	9000/-	<p>Theory: List different Cutting tooling standards , Develop mathematical / Analytical skills</p> <p>Practical: Execute CNC Machining Programme on CNC simulator, CNC Lathe Machining - On job training.</p> <p>Specialized Courses Observe & follow safety and Communicate effectively.</p>
15	CNC Programming - Milling	MSME/ CNCMP / 94	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	9000/-	<p>Theory: List different Cutting tooling standards , Develop mathematical / Analytical skills</p> <p>Practical: Execute CNC Programme on CNC simulator, CNC Milling Programming - On job training.</p> <p>Specialized Courses Observe & follow safety and Communicate effectively.</p>
16	CNC Machining - Milling	MSME/ CNCMM / 95	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	9000/-	<p>Theory: List different Cutting tooling standards , Develop mathematical / Analytical skills</p> <p>Practical: Execute CNC Machining Programme on CNC simulator, CNC Milling Machining - On job training.</p> <p>Specialized Courses Observe & follow safety and Communicate effectively.</p>

Computer Courses

17	JAVA	MSME/JAVA/99	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	6800/-	<p>Practical: Java and Understand JVM and Its Architecture, Control Statement And Looping, Class and Object, Constructor, Array, Inheritance, Package, string, HTML,CSS, java script, JSP etc.</p> <p>Specialized Courses Observe & follow safety and Communicate effectively</p>
18	Computer Hardware & Networking	MSME/CHN/102	Every Month	96 Hrs.	4Hrs./day	25	10 th Pass	6800/-	<p>Practical: Basic Electronics, Computer Software, Computer Hardware and Networking</p> <p>Specialized Courses Observe & follow safety and Communicate effectively</p>

B. AICTE approved Long Term Diploma Programmes/Courses:

19	4 Years Diploma in Mechanical Engineering (Tool & Die), Approved by AICTE and PSBTE - Chandigarh	CIHT/LT01	Month of June /July	4 years	8 hrs./day	60	10 th or 10+2 (Science/Vocational)/ ITI for lateral Entry	As per PSBTE Norms	As per AICTE and PSBTE- Chandigarh curriculum
20	3 Years Diploma in Computer Science & Engineering, Approved by AICTE and PSBTE - Chandigarh	CIHT/LT02	Month of June / July	3 years (6 Sem)	8 hrs./day	60	10 th or 10+2 (Science/Vocational)/ ITI for lateral Entry	As per PSBTE Norms	As per AICTE and PSBTE- Chandigarh curriculum
21	3 Years Diploma in Mechanical Engineering, Approved by AICTE and PSBTE - Chandigarh	CIHT/LT03	Month of June / July	3 years (6 Sem)	8 hrs./day	60	10 th or 10+2 (Science/Vocational)/ ITI for lateral Entry	As per PSBTE Norms	As per AICTE and PSBTE- Chandigarh curriculum
22	3 Years Diploma in Mechatronics Engineering, Approved by AICTE and PSBTE - Chandigarh	CIHT/LT04	Month of June / July	3 years (6 Sem)	8 hrs./day	60	10 th or 10+2 (Science/Vocational)/ ITI for lateral Entry	As per PSBTE Norms	As per AICTE and PSBTE- Chandigarh curriculum

23	3 Years Diploma in Electrical Engineering, Approved by AICTE and PSBTE – Chandigarh	CIHT/LT05	Month of June / July	3 years (6 Sem)	8 hrs./day	60	10th or 10+2 (Science/Vocational) / ITI for lateral Entry	As per PSBTE Norms	As per AICTE and PSBTE- Chandigarh curriculum
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C. NSQF Training Programmes: (CAD/ CAM Courses)

24	Master certificate course in CAD/CAM (NSQF Level-6)	MSME /MCCCC/38	Every month	6 month 780 HRS	6 hrs./day	40	Diploma (Mech. Engineering or equivalent)	45,000/-	Theory: Design of Jigs & Fixtures Design of Press Tools. Design of Moulds, Design of Die Casting Dies Software: Computer Aided Design (CAD-Auto CAD and Solid works), Computer Aided Design & Computer Aided manufacturing (Unigraphics CAD & Unigraphics CAM), Project Practical: Software Training Specilized Course: Entrepreneurship.
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D. NSQF Training Programmes: (PLC / Automation/ Electronics Courses)

25	Masters Certificate Course in Mechatronics (NSQF Level-6)	MSME/MCCM/39	Every month	6 month 780 HRS	6 hrs./day	40	Diploma in (Mechanical/ Electronics /Electrical / or equivalent)	34,000/-	Theory: PLC, SCADA, Automation Techniques, Mechatronics systems, Sensor & Actuator, Industriaal Hydraulic & Pneumatic. Software: PLC (ALLEN BRADLEY), SCADA-Simens, LabView Robotino Practical: Hardware & software Training, working of Robotics, application of sensors, working principles robotic Buggy, Quardcopter and Robotic arm etc. Specilized Course: Employability & Entrepreneurship
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E. NSQF Training Programmes: (CNC Programming & Machining Courses).

26	Certificate course in CNC turning (NSQF Level-4)	MSME /CCCT/55	Every month	6 month 780 HRS	6 hrs./day	40	10 th pass	36,000/-	Theory: Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation and Quality Management System Software: CNC Simulator for CNC Programming & Machining-Turning. Practical: CNC Machining & programming on CNC Lathe Machine and On Job Training Specilized Course: Group Discussion & Personality Improvement, OHS and Employability Skill,.
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F. Entrepreneurship cum Skill development Program Under E-SDP scheme of M/o MSME, Govt. Of India.

27	AutoCAD	E-SDP	Wef: Sept-2019	6 week	6Hrs./day	25	10 th Pass	Sponsored by M/o MSME	Software Training : Create 2D sketch, Edit of models, Understand the layer management & block, Create solid model for mechanical components, Apply mechanical rendering. Specialized Courses: Employability & Enterprenureship skills , Observe & follow safety and Communicate effectively.
28	CNC Programming	E-SDP	-do-	6 week	6Hrs./day	25	10 th Pass	Sponsored by M/o MSME	Theory: List different Cutting tooling standards , Develop mathematical / Analytical skills Practical: Execute CNC Programme on CNC simulator, CNC Programming - On job training. Specialized Courses: Employability & Enterprenureship skills , Observe & follow safety and Communicate effectively.
29	Web Designing	E-SDP	-do-	6 week	6Hrs./day	25	10 th Pass	Sponsored by M/o MSME	Theory: Introductionto web designing, CSS. Html, Html 5, and Java Script Practical: software training on Development of Website, application of Java Script, CSS, Html and Various Tags etc., Specialized Courses: Employability & Enterprenureship skills and Communicate effectively.

30	PLC PROGRAMMING	E-SDP	-do-	6 week	6Hrs./day	25	10 th Pass	Sponsored by M/o MSME	Theory: Basic Electronics, Switching ,Logic Gates, Wiring of PLC, Broad knowledge of PLC programming, Practical: Software Training and Interfacining with PLC Panne apply ladder logic principles for solutions to the specific problems. Software: Software for PLC programming(allen Broadly) Specialized Courses Observe & follow safety and Communicate effectively.
31	GRAPHICS DESIGNER	E-SDP	-do-	6 week	6Hrs./day	25	10 th Pass	Sponsored by M/o MSME	Theory Practical: Software:

G. Entrepreneurship cum Skill development Programme Under E-SDP ATI scheme

32	CERTIFICATE COURSE IN CNC TURNING(MSME/CC CT/55)	ESDP ATI	AS PER SANCTION ORDER	AS PER SANCTION ORDER	6Hrs./day	25	10 th Pass	Sponsored by esdp ati	Theory: Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation and Quality Management System Software: CNC Simulator for CNC Programming & Machining-Turning. Practical: CNC Machining & programming on CNC Lathe Machine and On Job Training Specilized Course: Soft skills, English Skills, Computer skills, Group Discussion & Personality Improvement, OHS and Employability Skill.
33	CERTIFICATE COURSE IN CNC MILLING (NSQF LEVEL-4)	ESDP ATI	AS PER SANCTION ORDER	AS PER SANCTION ORDER	6Hrs./day	25	10 th Pass	Sponsored by esdp ati	Theory: Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation and Quality Management System Software: CNC Simulator for CNC Programming - Milling. Practical: CNC Machining & programming on CNC Milling Machine and On Job Training Specilized Course: Soft skills, English Skills, Computer skills, Group Discussion & Personality Improvement, OHS and Employability Skill.
34	MASTER CERTIFICATE COURSE IN MECHATRONICS(MS ME/MCCM/39)	ESDP ATI	AS PER SANCTION ORDER	AS PER SANCTION ORDER	6Hrs./day	25	Diploma in (Mechanical/ Electronics /Electrical / or equivalent	Sponsored by esdp ati	Theory: PLC, SCADA, Automation Techniques, Mechatronics systems, Sensor & Actuator, Industriaal Hydraulic & Pneumatic. Software: PLC (ALLEN BRADLEY), SCADA-Simens, LabView Robotino Practical: Hardware & software Training, working of Robotics, application of sensors, working principles robotic Buggy, Quardcopter and Robotic arm etc. Specilized Course: Employability & Entrepreneurship
35	AUTOCAD(MECHANICAL)	ESDP ATI	AS PER SANCTION ORDER	AS PER SANCTION ORDER	4hrs/day	25	10 th Pass	Sponsored by esdp ati	Software Training : Create 2D sketch, Edit of models, Understand the layer management & block, Create solid model for mechanical components, Apply mechanical rendering. Specialized Courses Observe & follow safety and Communicate effectively.
36	SOLIDWORKS	ESDP ATI	AS PER SANCTION ORDER	AS PER SANCTION ORDER	4hrs/day	25	10 th Pass	Sponsored by esdp ati	Software Training: Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting. Specialized Courses Observe & follow safety and Communicate effectively.
37	CNC PROGRAMMING LATHE	ESDP ATI	AS PER SANCTION ORDER	AS PER SANCTION ORDER	4hrs/day	25	10 th Pass	Sponsored by esdp ati	Theory: List different Cutting tooling standards , Develop mathematical / Analytical skills Practical: Execute CNC Programme on CNC simulator, CNC Lathe Programming - On job training. Specialized Courses Observe & follow safety and

									Communicate effectively.
38	CNC PROGRAMMING MILLING	ESDP ATI	AS PER SANCTION ORDER	AS PER SANCTION ORDER	4hrs/day	25	10 th Pass	Sponsored by esdp ati	Theory: List different Cutting tooling standards , Develop mathematical / Analytical skills Practical: Execute CNC Programme on CNC simulator, CNC Milling Programming - On job training. Specialized Courses Observe & follow safety and Communicate effectively.

H. NBCFDC/NSFDC Under PM-DAKSH SCHEME of M/o Social Justice & Empowerment, Govt. Of India.

39	COMPUTER HARDWARE & NETWORKING	NBCFDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	4hrs/day	25	10 th Pass	Sponsored by PM-DAKSH	Practical: Basic Electronics, Computer Software, Computer Hardware and Networking Specialized Courses Observe & follow safety and Communicate effectively
40	AUTOCAD	NBCFDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	4hrs/day	25	10 th Pass	Sponsored by PM-DAKSH	Software Training : Create 2D sketch, Edit of models, Understand the layer management & block, Create solid model for mechanical components, Apply mechanical rendering. Specialized Courses Observe & follow safety and Communicate effectively.
41	PLC PROGRAMMING	NBCFDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	4hrs/day	25	10 th Pass	Sponsored by PM-DAKSH	Theory: Basic Electronics, Switching ,Logic Gates, Wiring of PLC, Broad knowledge of PLC programming, Practical: Software Training and Interfacining with PLC Panne apply ladder logic principles for solutions to the specific problems. Software: Software for PLC programming(allen Broadly) Specialized Courses Observe & follow safety and Communicate effectively.
42	GRAPHICS & WEB DESIGNING (NSQF LEVEL-5)	NBCFDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	4hrs/day	25	10 th Pass	Sponsored by PM-DAKSH	Theory: Fundamentals of computer & Introduction of computer graphics. Software: Adobe Photoshop, Corel Draw, Adobe Illustrator, Adobe In Design, Web Designing and Project work. Practical: Software Training. Specilized Course: Employability & Enterpreneuship skills.
43	COMPUTER HARDWARE & NETWORKING	NSFDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	4hrs/day	25	10 th Pass	Sponsored by PM-DAKSH	Practical: Basic Electronics, Computer Software, Computer Hardware and Networking Specialized Courses Observe & follow safety and Communicate effectively
44	CERTIFICATE COURSE IN CNC MILLING (NSQF LEVEL-4)	NSFDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	4hrs/day	25	10 th Pass	Sponsored by PM-DAKSH	Theory: Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation and Quality Management System Software: CNC Simulator for CNC Programming - Milling. Practical: CNC Machining & programming on CNC Milling Machine and On Job Training Specialized Course: Soft skills, English Skills, Computer skills, Group Discussion & Personality Improvement, OHS and Employability Skill.

I. PRADHAN MANTRI KAUSHAL VIKAS YOJANA (PMKVY)

45	CNC Operator - Turning	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	510 hrs	30	8th(2 year NTC (Machining) + 1 yearNAC) Or 10th 2year of experience Or 10th (1 year NTC (Machining)) Or Diploma (Completed 1st year of 3 year Diploma after 10th) Or Certificate-NSQF (Operator - Conventional Turning NSQF Level 3.0 certificate with min education as 5th class pass) with 2 year of experience
46	CNC Operator Vertical Machining Center	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	510 hrs	30	8th+ ITI (2year) with 2year of experience Or 10th with 2year of experience Or 10th+ ITI (1 year) with 1year of experience Or 10th+ ITI (2year)/12th with 6mth of experience Or Certified in NSQF-L3 Operator - Calibration and Instrumentation with 2 years of experience in the relevant field.

47	CNC Programmer	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	540 hrs	30	10th (with 4 year experience) Or 12th (with 1 year (NTC or NAC or NITC)) Or 12th (with 2 year experience)/Certificate-NSQF(Certified in NSQF-L4 Materials -Engineer with 3 year relevant experience) Or Diploma (Completed 3 year Diploma (mech) after 10th with 1 year experience) Or Diploma (Completed 1st year of 2 year of Diploma (after 12th)) Or Graduate (Completed 1st year of UG (UG Certificate)) Or Graduate (Pursuing 2nd year of UG).
48	Draughtsman - Mechanical	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	510 hrs	30	8th Class + 2-year NTC (Machining) + 1 year NAC) Or 10th Class (with 2 years relevant experience) with 2 years of experience Or 10th Class (+ 1 year NTC (Machining)) Or Certificate-NSQF (Operator - Conventional Turning NSQF Level 3.0 cert. with min. education as 5th class pass with 2 years relevant experience) with 2 years of experience Or Diploma (Completed 1st year of 3-year Diploma (after 10th))
49	Domestic Data Entry Operator	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	450 hrs	30	10th Class/ NSQF Level 2 STT with 1 year experience in computer operation.
50	Graphic Designer	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	540 hrs	30	Class 12th with one year of relevant experienceOr Class 10th Pass with three years of relevant experience ITI /Diploma (2 years after 10th) with one year of relevant experience Min Age: 18 year
51	Junior Software Developer	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	450 hrs	30	10th Class OR NSQF Level 2 STT with 1 year experience in computer operation ; Min Age-15 years
52	Web Developer	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	390 hrs	30	Class 11th OR 10th+1-year NTC/NAC/CITS OR NSQF Level 3 STT Min Age-16 years
53	Assistant Electrician	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	390 hrs	30	9th class pass OR 8th class pass with 1 year of (NTC/ NAC) after 8th OR 8th class pass with 1 year of experience relevant experience OR 5th class pass with 4 years of experience relevant experience OR No formal education prescribed (Previous relevant Qualification of NSQF Level 2) with 1 year of experience relevant experience OR No formal education prescribed (Previous relevant Qualification of NSQF Level 2.5) with 6 months of relevant experience
54	Asst. Electrician (Iron and Steel)	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	420 hrs	30	8th Class Pass with 1 year of relevant experience Or 10th Class Pass OR Level 2 (Iron and Steel – Plant Assistant) with 1 year of relevant experience Age 18 years.
55	Programmable Logic Controller (PLC) Programmer and Troubleshooter	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	450 hrs	30	10th pass + 1 years NTC/NAC in relevant field OR 10th + 1 year experience in relevant field OR Completed 1st year or pursuing 02nd year of 03 years engineering Diploma (after 10th) in relevant field OR Previous relevant Qualification of NSQF Level 3 + 1 year relevant experience
56	Assistant - Machinist - Iron And Steel	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	420 hrs	30	8th Class Pass with 1 years of relevant experience OR 10th Class Pass And 18 years age.
57	Automotive Machining Assistant	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	300 hrs	30	8th Class.
58	Operator - Plasma Cutter	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	510 hrs	30	10th class pass with 2 years of relevant experience OR 10th Class Pass + ITI (Welder trade or in relate trade) OR 12th Class Pass with 6 months relevant experience Age 18 years.
59	Testing and Calibration Technician (Mechanical-Dimensions)	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	450 hrs	30	10th pass + 1 years NTC/NAC in relevant field OR 10th + 1 year experience in relevant field OR Completed 1st year or pursuing 02nd year of 03 years engineering Diploma (after 10th) in relevant field OR Previous relevant Qualification of NSQF Level 3 + 1 year relevant experience
60	Assistant Machine Operator - Injection Moulding Plastic	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	600 hrs	30	8th Class pass with 1 year of relevant experience Or 8th Class pass with ITI in relevant trade Or 10th pass.
61	Associate Designer die and mould for plastic including toys	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	510 hrs	30	12th Class (Science) with 0-6 Months of experience relevant OR I.T.I (2 years after Class 10th in relevant trade) with 3 years of experience relevant OR Diploma ((3 years) after class 10th in relevant field) OR Certificate-NSQF (Level 3 - Jr. DesignerPlastic Product) with 2 years of experience relevant.
62	Jr. Designer - Die and Mould for Plastics	NSDC	AS PER SANCTION ORDER	AS PER SANCTION ORDER	420 hrs	30	class 8 with 1 year of NTC/NAC after 8th,OR 8th class pass with 1 year relevant experience OR 5th class pass with 4 year relevant experience

J. TAILOR MADE COURSES

63	Post Diploma in CAD / CAM (NSQF Level-6)	MSME /PDCC/13	Every month	1 year 1560 HRS	6 hrs./day	40	Diploma / Degree in Mechanical, Production, Tool & Die Making / Automobile or equivalent.	65,000/-	Theory: Engineering Drawing, CNC Part Programming, Computer Fundamentals, Finite Element Analysis (FEA), Reverse Engineering and Basic Engineering Concept. Software: Auto CAD, Solid works, CATIA, Pro-Engineer, Work NC, Master CAM and Unigraphics –NX Practical: Software Training and project work Specilized Course: Entrepreneurship and Managerial Skills, Safety and Maintanance
64	Master certificate course in Tool Design(NSQF Level-6)	MSME/MCCTD/42	Every month	6 month 780 HRS	6 hrs./day	40	Diploma (Mech. Engineering or equivalent)	45,000/-	Theory: CNC Programming and CNC Machining. Software: 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, , Course-work: Project Practical:Software Training Specilized Course: Employability & Entrepreneurship Skills .
65	Advance Certificate Course in Inspection & Quality Control (NSQF Level-5)	MSME/ACCIQC / 56	Every month	6 month 780 HRS	6 hrs./day	40	10+2 with Science / Graduation in any discipline	30000/-	Theory: Engineering Drawingy, Engineering Metrology, Workshop Calculation, Total Quality Management, Inspection (CMM), Software: AutoCAD, Master CAM, N.X (UNIGRAPHICS). Practical:software training, Inspection & Quality Control -On Job Training, CMM Specilized Course: Employability skill
66	Master certificate course in CNC technology (NSQF Level-6)	MSME /MCCCT/41	Every month	6 month 780 HRS	6 hrs./day	40	Diploma (Mech. Engineering or equivalent)	45,000/-	Theory: Planning, sequenc of operations, Total Quality Management Software: CNC simulator for CNC Part programming, CAM software Practical: Software Training, Execution of Job, Arrangement of tools & accessories, Elements of tools with their Functions, Manufacturing Process & Process Plan, Tool & Die Manufacturing Plan, Mannual part programming, Execution of CNC Programme through CAM and Project work on live jobs. Specialized Course: Basic Health & Safety Practices, Business Communication, Entrepreneurship & Problem solving Skill ,
67	Certificate course in Machine Operations (NSQF Level-3)	MSME / CCMO /21	Every month	1 year 1560 HRS	6 hrs./day	40	8th pass	48,000/-	Theory: Machine Shop Theory, Engineering Metrology, Engineering Drawing, Workshop Calculation and Science. Practical: Machine Shop Lab and Project work on various Machine Specilized Course: OHS & Employability Skill
68	Certificate course in CNC milling (NSQF Level-4)	MSME/CCCM/ 54	Every month	6 month 780 HRS	6 hrs./day	40	10th pass	36,000/-	Theory:Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation and Quality Management System Software: CNC Simulator for CNC Programming - Milling. Practical: CNC Machining & programming on CNC Milling Machine and On Job Training Specilized Course: Group Discussion & Personality Improvement, OHS and Employability Skill,.
69	Certificate course in CNC turning & Milling	MSME/CCCTM/25	Every month	1 year	6 hrs./day	40	10th pass	60,000/-	Theory :Engineering Drawing, Engineering Metrology , Workshop Technology, Workshop Calculation & Quality

	(NSQF Level-4)			1560 HRS						Management System Software: CNC Simulator for CNC Programming & Machining (Turning & Milling), Computer Aided Drafting & Design (AutoCAD), Computer Aided manufacturing (Master CAM). Practical: software Training, CNC machining and On job training. Specilized Course:, Group Discussion & Personality Improvement and Employability skill .
70	Condensed Course In Tool and Die Making (NSQF Level-4)	MSME/CCTDM/ 29	Every month	1 year 1560 HRS	6 hrs./day	40	10th pass	100000/-	Theory :" Production Technology, 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 & Industrial Management Software:, Auto CAD, CNC Part Programming, Master CAM. Practical: Software training, Tool Design, Mould design Practice , design of jigs & Fixtures, Machining process, Inplant Training & Project Work. Specilized Course: Communication Skill, Employability & Enterprenureship Skill.	
71	Advance certificate course in CNC machining (NSQF Level-5)	MSME/ACCCM/35	Every month	1 year 1560 HRS	6 hrs./day	40	ITI Pass	65,000/-	Theory: CNC programming & cnc machining, engineering metrology, quality assurance, total quality management, fundamentals of metal cutting tool and production planning & control (PPC). Software: computer aided manufacturing(Mastercam). Practical: Software Training, CNC machining, On job training and project work Specilized Course: Employability & Entrepreneurship.	
72	Advanced diploma in computer hardware & network management (adchnm) (NSQF Level-6)	MSME / ADCHNM / 51	Every month	6 month 780 HRS	6 hrs./day	40	B.Sc./ Diploma/ degree Engineering Pass	30000/-	Theory: Basic Electronics, Power Supply, PC Architecture and Network, Essential, setup & management Software Training:Operating system, MS office, Linux, LAN Practical :Software Installation, Up gradation & Maintenance, Power supply, Network management & server configuration, LINUX management & network configuration, Basic Electronics, Office Package Specilized Course: Employability and Communication Skill	
73	Graphics & Web Designing (NSQF Level-5)	MSME / ANI / GWD	Every month	4 Months 390 Hrs	4 hrs./Day	40	10+2 pass	24000/-	Theory: Fundamentals of computer & Introduction of computer graphics. Software: Adobe Photoshop, Corel Draw, Adobe Illustrator, Adobe In Design, Web Designing and Project work. Practical: Software Training. Specilized Course:Employability & Enterprenureship skills.	

K. OUTREACH TRAINING PROGRAMME (1-2DAY/1WEEK/2WEEKS)(ONLINE/OFFLINE)

74	AutoCAD	CIHT	Every Month	1DAY/1WEEK, 2 WEEKS	2Hrs./da y	50-100	10 th Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW ON AUTOCAD DRAFTING, 2D DRAWING & DRAFTING, DIMENSIONING & ANNOTATIONS
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75	Solidworks	CIHT	Every Month	1DAY/1WEEK, 2 WEEKS	2Hrs./da y	50-100	10 th Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW ON SOLIDWORK SOFTWARE, BASIC PART MODELLING AND ASSEMBLY
76	CREO Parametric	CIHT	Every Month	1DAY/1WEEK, 2 WEEKS	2Hrs./da y	50-100	10 th Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW ON CREO PARAMETRIC SOFTWARE, BASIC PART MODELLING AND ASSEMBLY
77	Unigraphics	CIHT	Every Month	1DAY/1WEEK, 2 WEEKS	2Hrs./da y	50-100	10 th Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW ON NX SOFTWARE, BASIC PART MODELLING AND ASSEMBLY
78	COMPUTER HARDWARE & NETWORKING	CIHT	Every Month	1DAY/1WEEK, 2 WEEKS	2Hrs./da y	50-100	10 th Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	BASIC DESCRIPTIONS OF COMPUTER HARDWARE & NETWORKING, COMPONENTS OF CPU, BASIC CONCEPT OF NETWORKING
79	ECAD	CIHT	Every Month	1DAY/1WEEK, 2 WEEKS	2Hrs./da y	50-100	10 th Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW ON AUTOCAD DRAFTING, 2D DRAWING & DRAFTING, DIMENSIONING & ANNOTATIONS
80	CNC PROGRAMMING TURNING	CIHT	Every Month	1DAY/1WEEK, 2 WEEKS	2Hrs./da y	50-100	10 th Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW OF CNC MACHINE, BASIC CNC LATHE PROGRAMMING
81	CNC PROGRAMMING TURNING	CIHT	Every Month	1DAY/1WEEK, 2 WEEKS	2Hrs./da y	50-100	10 th Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW OF CNC MACHINE, BASIC CNC MILLING PROGRAMMING
82	INDUSTRIAL AUTOMATION	CIHT	Every Month	1DAY/1WEEK, 2 WEEKS	2Hrs./da y	50-100	10 th Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW OF AUTOMATION CONTROLLER SOFTWARES
83	ROBOTICS	CIHT	Every Month	1DAY/1WEEK, 2 WEEKS	2Hrs./da y	50-100	10 th Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW OF FESTO ROBOTINO AND DEMOSTRATION
84	ANSYS	CIHT	Every Month	1DAY/1WEEK, 2 WEEKS	2Hrs./da y	50-100	10 th Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW OF ANSYS

Note:- 1. Classes on evenings/Saturdays – Sundays are also organized depending upon the number of participants.

2. CIHT also organize short term tailor made program on specific requirement of industry as well as technical institutions.

Admission Procedure:-

1. Eligible candidates will be offered admission on first-cum-first-served basis.
2. Candidates seeking admissions should submit application on prescribed form (CIHT Registration Form) along with copies of following documents:
 - Copy of Aadhaar Card (Compulsory for admission in any courses).
 - Copy of qualification details as required for the respective courses.
 - Copy of age proof.
 - Three passport size photographs.
 - Copy of Cast Certificate
3. Incomplete applications are liable to be rejected.
4. No Tuition fee will be charged from SC/ST candidates as per rule of Govt. of India subject to production of authentic cast certificate issued by competent authorities only.
5. Course fee is inclusive of GST charges as applicable.
6. Institute reserve the right to incorporate changes in proposed schedule dates / Batch size without assigning any reason.
7. Placement Assistance will be provided on successful course completion & issuance of certificate.
8. Hostel facility may be provided subject to availability.
9. Visit <http://www.msde.gov.in/nsqf.html> for more information about NSQF compliant courses.
10. For more details about the admission under different Scheme / courses may contact at following numbers:
 - 9417040457,9915466844,9417863723,7986832232, 9417851285, 0181- 2290226, 2290008
 - Email: info@ciht.in, cihtjld@gmail.com, Website: www.ciht.in

Profile & Objective of CIHT Jalandhar:

- ✓ Central Institute of Hand Tools (MSME Tool Room, Jalandhar) is a premier organization responsible for the development of Hand Tool Industry in the country. Government of India has set up Central Institute of Hand Tools as a National Institute in Jalandhar (Punjab) as an autonomous organization with the assistance of U.N.D.P. and Govt. of Punjab in the year 1983, with a view to provide trained manpower and technology support services to Engineering industry in general & Hand tools industries in particular. The institute is ISO-9001:2015, ISO-14001:2015 certified and having NABL accredited Lab.
- ✓ CIHT, Jalandhar imparting Engineering Education in various skill development courses which has greater demand in the industries in the field of Product Design & Development, CAD/CAM, CNC Programming & Machining, Mechatronics/ Automation with PLC, Welding, Electrician and Quality Control etc. and providing services to the Engineering industries in various areas such as Tool Room, Heat Treatment, Testing & Quality Control.
- ✓ CIHT organized various Govt. sponsored training programs such as Residential Training Program in the field of Basic welding and Certificate course of electrician for candidates related to NE Region of M/O Development of North Eastern Region, TEDP under DST-NIMAT Project of M/O science & Technology, Govt. of India, Entrepreneurship skill development program of M/O MSME, Govt. of India, Employment through skill training & Placement of Punjab Skill development Mission (PSDM) and PMKVY-TI (AICTE).
- ✓ The management of the institute rests with the Governing Council appointed by the Govt. of India, with Development Commissioner, Ministry of MSME as ex-officio chairman of the institute, The Principal Director is the Chief Executive Officer of the Institute, Other members include the Govt. officials and the industrialists from the industry.