

# 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

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

6.	CATIA	MSME /CATIA / 80	Every Month	96 Hrs.	4Hrs./day	25	10 <sup>th</sup> Pass	11300/-	<b>Software Training:</b> Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting <b>Specialized Courses</b> Observe & follow safety and Communicate effectively.
7.	ANSYS	MSME / ANSYS / 82	Every Month	96 Hrs.	4Hrs./day	25	10 <sup>th</sup> Pass	11300/-	<b>Software Training:</b> 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. <b>Specialized Courses</b> Observe & follow safety and Communicate effectively.

## 2.PLC / Automation/ Electronics Courses

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

## 3.CNC Programming & machining Courses

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

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

#### 4. Computer Courses

17	JAVA	MSME/JAVA/99	Every Month	96 Hrs.	4Hrs./day	25	10 <sup>th</sup> Pass	6800/-	<b>Practical:</b> 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. <b>Specialized Courses</b> Observe & follow safety and Communicate effectively
18	Computer Hardware & Networking	MSME/CHN/102	Every Month	96 Hrs.	4Hrs./day	25	10 <sup>th</sup> Pass	6800/-	<b>Practical:</b> Basic Electronics, Computer Software, Computer Hardware and Networking <b>Specialized Courses</b> Observe & follow safety and Communicate effectively

#### B. AICTE approved Long Term 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 <sup>th</sup> 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	30	10 <sup>th</sup> 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	30	10 <sup>th</sup> 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 Production & Industrial Engineering, Approved by AICTE and PSBTE – Chandigarh	CIHT/LT04	Month of June / July	3 years (6 Sem)	8 hrs./day	30	10 <sup>th</sup> 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 Mechatronics Engineering, Approved by AICTE and PSBTE – Chandigarh	CIHT/LT05	Month of June / July	3 years (6 Sem)	8 hrs./day	30	10 <sup>th</sup> or 10+2 (Science/Vocational )/ ITI for lateral Entry	As per PSBTE Norms	As per AICTE and PSBTE- Chandigarh curriculum

#### C. MEDIUM TERM COURSES (NSQF Compliant ) -CAD/ CAM

24	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 /	65,000/-	<b>Theory:</b> Engineering Drawing, CNC Part Programming, Computer Fundamentals, Finite Element Analysis (FEA), Reverse Engineering and Basic Engineering Concept. <b>Software:</b> Auto CAD, Solid works, CATIA, Pro-Engineer, Work
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							Automobile or equivalent.		NC, Master CAM and Unigraphics –NX <b>Practical:</b> Software Training and project work <b>Specilized Course:</b> Entrepreneurship and Managerial Skills, Safety and Maintanance
25	Master certifice 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/-	<b>Theory:</b> CNC Programming and CNC Machining. <b>Software:</b> 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 <b>Practical:</b> Software Training <b>Specilized Course:</b> Employability & Entrepreneurship Skills .
26	Master certifice 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/-	<b>Theory:</b> JIGS & FIXTURES <b>Software:</b> 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, Course-work: Project <b>Practical:</b> Software Training <b>Specilized Course:</b> Employability & Entrepreneurship Skills .
27	Master certifice course in Product Design (NSQF Level-6)	MSME/MCCPD/40	Every month	6 month 780 HRS	6 hrs./day	40	Diploma (Mech. Engineering or equivalent)	45,000/-	<b>Theory:</b> Tools & Dies, Rapid Prototyping <b>Software:</b> Computer Aided Design (CAD-Auto CAD and Solid works), Advance CAD(CREO Parametric), Computer Aided Manufacturing (DELCAM/Mastercam) , Fundamental of Tools & Dies, Rapid Prototyping (Additive Manufacturing), 3D Scanning & 3D Printing, Entrepreneurship, Course-work: Project <b>Practical:</b> Software Training <b>Specilized Course:</b> Employability & Entrepreneurship Skills .
28	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/-	<b>Theory:</b> Engineering Drawingy, Engineering Metrology, Workshop Calculation, Total Quality Management, Inspection (CMM), <b>Software:</b> AutoCAD, Master CAM, N.X (UNIGRAPHICS). <b>Practical:</b> software training, Inspection & Quality Control - On Job Training, CMM <b>Specilized Course:</b> Employability skill

### D. MEDIUM TERM COURSES (NSQF Compliant ): ( PLC / Automation/ Electronics Courses)

29	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/-	<b>Theory:</b> PLC, SCADA, Automation Techniques, Mechatronics systems, Sensor & Actuator, Industriaial Hydraulic & Pneumatic. <b>Software:</b> PLC (ALLEN BRADLEY), SCADA-Simens, LabView Robotino <b>Practical:</b> Hardware & software Training, working of Robotics, application of sensors, working principles robotic Buggy, Quardcopter and Robotic arm etc. <b>Specilized Course:</b> Employability & Entrepreneurship
30	Advance Diploma in Machine Maintenance & Automation (NSQF Level-6)	MSME / ADMMA / 44	Every month	6 month 780 HRS	6 hrs./day	40	Diploma -Electrical/ Instrumentation or equivalent Engineering Pass	36,000/-	<b>Theory:</b> Machine Operation , Electrical Hardware Logic Control ,PLC, SCADA, Hydraulic & Pneumatic, TIA- Portal, Basic Electronics <b>Software:</b> Electrical Hardware Logic Control ,PLC (ALLEN BRADLEY), SCADA-Simens, Autocad Electrical <b>Practical:</b> Hardware & software Training, working of Robotics, application of sensors, working principles robotic Buggy, Quardcopter and Robotic arm etc. <b>Specilized Course:</b> communication Skill

## E. MEDIUM TERM COURSES (NSQF Compliant ): (CNC Programming & machining Courses ) .

31	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/-	<p><b>Theory:</b> Planning, sequenc of operations, Total Quality Management</p> <p><b>Software:</b> CNC simulator for CNC Part programming, CAM software</p> <p><b>Practical:</b> Software Training, Execution of Job, Arrangement of tools &amp; accessories, Elements of tools with their Functions, Manufacturing Process &amp; Process Plan, Tool &amp; Die Manufacturing Plan, Mannual part programming, Execution of CNC Programme through CAM and Project work on live jobs.</p> <p><b>Specialized Course:</b> Basic Health &amp; Safety Practices, Business Communication, Entrepreneurship &amp; Problem solving Skill ,</p>
32	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/-	<p><b>Theory:</b> Machine Shop Theory, Engineering Metrology, Engineering Drawing, Workshop Calculation and Science.</p> <p><b>Practical:</b> Machine Shop Lab and Project work on various Machine</p> <p><b>Specilized Course:</b> OHS &amp; Employability Skill</p>
33	Certificate course in CNC turning (NSQF Level-4)	MSME /CCCT/55	Every month	6 month 780 HRS	6 hrs./day	40	10 <sup>th</sup> pass	36,000/-	<p><b>Theory:</b>Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation and Quality Management System</p> <p><b>Software:</b> CNC Simulator for CNC Programming &amp; Machining-Turning.</p> <p><b>Practical:</b> CNC Machining &amp; programming on CNC Lathe Machine and On Job Training</p> <p><b>Specilized Course:</b> Group Discussion &amp; Personality Improvement, OHS and Employability Skill.,</p>
34	Certificate course in CNC milling (NSQF Level-4)	MSME/CCCM/ 54	Every month	6 month 780 HRS	6 hrs./day	40	10 <sup>th</sup> pass	36,000/-	<p><b>Theory:</b>Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation and Quality Management System</p> <p><b>Software:</b> CNC Simulator for CNC Programming - Milling.</p> <p><b>Practical:</b> CNC Machining &amp; programming on CNC Milling Machine and On Job Training</p> <p><b>Specilized Course:</b> Group Discussion &amp; Personality Improvement, OHS and Employability Skill.,</p>
35	Certificate course in CNC turning & Milling (NSQF Level-4)	MSME/CCCTM/25	Every month	1 year 1560 HRS	6 hrs./day	40	10 <sup>th</sup> pass	60,000/-	<p><b>Theory :</b>Engineering Drawing, Engineering Metrology , Workshop Technology, Workshop Calculation &amp; Quality Management System</p> <p><b>Software:</b> CNC Simulator for CNC Programming &amp; Machining (Turning &amp; Milling), Computer Aided Drafting &amp; Design (AutoCAD), Computer Aided manufacturing (Master CAM).</p> <p><b>Practical:</b> software Training, CNC machining and On job training.</p> <p><b>Specilized Course:</b> , Group Discussion &amp; Personality Improvement and Employability skill .</p>
36	Condensed Course In Tool and Die Making (NSQF Level-4)	MSME/CCTDM/ 29	Every month	1 year 1560 HRS	6 hrs./day	40	10 <sup>th</sup> pass	100000/-	<p><b>Theory :</b>"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 &amp; Industrial Management</p> <p><b>Software:</b> , Auto CAD, CNC Part Programming, Master CAM.</p> <p><b>Practical:</b> Software training, Tool Design, Mould design Practice , design of jigs &amp; Fixtures, Machining process, Inplant Training &amp; Project Work.</p> <p><b>Specilized Course:</b> Communication Skill, Employability &amp; Enterpreneureship Skill.</p>
37	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/-	<p><b>Theory:</b> CNC programming &amp; cnc machining, engineering metrology, quality assurance, total quality management, fundamentals of metal cutting tool and production planning &amp; control (PPC).</p>

									<b>Software:</b> computer aided manufacturing(Mastercam). <b>Practical:</b> Software Training, CNC machining, On job training and project work <b>Specilized Course:</b> Employability & Entrepreneurship.
38	Certificate course in Machining (NSQF Level-5)	MSME / CCM / 53	Every month	6 month 780 HRS	6 hrs./day	40	ITI Fitter or Equivalent	36,000/-	<b>Theory:</b> Engineering Drawing, Engineering Metrology, Production Technology <b>Software:</b> AutoCAD, MS office <b>Practical:</b> Manufacture components using various machine tools like Lathe, Milling, and Grinding. <b>Specilized Course:</b> Employability and Communication Skill

### F. MEDIUM TERM COURSES (NSQF Compliant ):: ( Computer Hardware / Programming Courses)

39	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/-	<b>Theory:</b> Basic Electronics, Power Supply, PC Architecture and Network, Essential, setup & management <b>Software Training:</b> Operating system, MS office, Linux, LAN <b>Practical :</b> Software Installation, Up gradation & Maintenance, Power supply, Network management & server configuration, LINUX management & network configuration, Basic Electronics Office Package <b>Specilized Course:</b> Employability and Communication Skill
40	Graphics & Web Designing (NSQF Level-5)	MSME / ANI / GWD	Every month	4 Months 390 Hrs	4 hrs./Day	40	10+2 pass	24000/-	<b>Theory:</b> Fundamentals of computer & Introduction of computer graphics. <b>Software:</b> Adobe Photoshop, Corel Draw, Adobe Illustrator, Adobe In Design, Web Designing and Project work. <b>Practical:</b> Software Training. <b>Specilized Course:</b> Employability & Enterpreneureship skills.
41	3D Animation & Special Effects (NSQF Level-4)	MSME/ANI/05	Every month	5 Months 500 Hrs	4 hrs./Day	40	10th pass	30000/-	<b>Theory: Fundamentals of computer &amp; Introduction of computer graphics, Computers and Internet Navigation, Communication at Workplace</b> <b>Software:</b> Digital Film Making, Basics of Video and Sound Editing, Basic Compositing, 3D Animation <b>Practical:</b> Software Training. <b>Specilized Course:</b> Employability & Enterpreneureship skills.

### G. Placement oriented Skill Development Programmes for Rural Youth of Punjab Under DDU-GKY Project

42	Certificate course in CNC turning (NSQF Level-4)	MSME /CCCT/55	Regular Courses	6 month 1081 HRS	8 hrs./day	35	10 <sup>th</sup> pass	Sponsored by PSDM- Chandigarh	<b>Theory:</b> Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation and Quality Management System <b>Software:</b> CNC Simulator for CNC Programming & Machining-Turning. <b>Practical:</b> CNC Machining & programming on CNC Lathe Machine and On Job Training <b>Specilized Course:</b> Soft skills, English Skills, Computer skills, Group Discussion & Personality Improvement, OHS and Employability Skill.
43	Certificate course in CNC milling (NSQF Level-4)	MSME/CCCM/ 54	Regular Courses	6 month 1081 HRS	8 hrs./day	35	10 <sup>th</sup> pass	Sponsored by PSDM- Chandigarh	<b>Theory:</b> Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation and Quality Management System <b>Software:</b> CNC Simulator for CNC Programming - Milling. <b>Practical:</b> CNC Machining & programming on CNC Milling Machine and On Job Training <b>Specilized Course:</b> Soft skills, English Skills, Computer skills, Group Discussion & Personality Improvement, OHS and Employability Skill.
44	Advanced diploma in computer hardware & network management (adchnm) (NSQF Level-6)	MSME / ADCHNM / 51	Regular Courses	6 month 1081 HRS	8 hrs./day	35	B.Sc./ Diploma/ degree Engineering Pass	Sponsored by PSDM- Chandigarh	<b>Theory:</b> Basic Electronics, Power Supply, PC Architecture and Network, Essential, setup & management <b>Software Training:</b> Operating system, MS office, Linux, LAN <b>Practical :</b> Software Installation, Up gradation & Maintenance, Power supply, Network management & server configuration,



	Level-6)								LINUX management & network configuration, Basic Electronics Office Package <b>Specilized Course:</b> Soft skills, English Skills, Computer skills, Group Discussion & Personality Improvement, OHS and Employability Skill.
45	Master certifice course in CAD/CAM (NSQF Level-6)	MSME /MCCCC/38	Regular Courses	6 month 1081 HRS	8 hrs./day	35	Diploma (Mech. Engineering or equivalent)	Sponsored by PSDM- Chandigarh	<b>Theory:</b> CNC Programming and CNC Machining. <b>Software:</b> 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 <b>Practical:</b> Software Training <b>Specilized Course:</b> Soft skills, English Skills, Computer skills, Group Discussion & Personality Improvement, OHS and Employability Skill.
46	Masters Certificate Course in Mechatronics (NSQF Level-6)	MSME/MCCM/39	Regular Courses	6 month 1081 HRS	8 hrs./day	35	Diploma in (Mechanical/ Electronics /Electrical / or equivalent	Sponsored by PSDM- Chandigarh	<b>Theory:</b> PLC, SCADA, Automation Techniques, Mechatronics systems, Sensor & Actuator, Industriaal Hydraulic & Pneumatic. <b>Software:</b> PLC (ALLEN BRADLEY), SCADA-Simens, LabView Robotino <b>Practical:</b> Hardware & software Training, working of Robotics, application of sensors, working principles robotic Buggy, Quardcopter and Robotic arm etc. <b>Specilized Course:</b> Soft skills, English Skills, Computer skills, Group Discussion & Personality Improvement, OHS and Employability Skill.
47	Master certificate course in CNC technology (NSQF Level-6)	MSME /MCCCT/41	Regular Courses	6 month 1081 HRS	8 hrs./day	35	Diploma (Mech. Engineering or equivalent)	Sponsored by PSDM- Chandigarh	<b>Theory:</b> Planning, sequenc of operations, Total Quality Management <b>Software:</b> CNC simulator for CNC Part programming, CAM software <b>Practical:</b> 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. <b>Specialized Course:</b> Basic Health & Safety Practices, Business Communication, Soft skills, English Skills, Computer skills, Group Discussion & Personality Improvement, OHS and Employability Skill.
48	Post Diploma in CAD / CAM (NSQF Level-6)	MSME /PDCC/13	Regular Courses	1 Year 1081 HRS	8 hrs./day	35	Diploma / Degree in Mechanical,Producti on, Tool & Die Making / Automobile or equivalent.	Sponsored by PSDM- Chandigarh	<b>Theory:</b> Engineering Drawing, CNC Part Programming, Computer Fundamentals, Finite Element Analysis (FEA), Reverse Engineering and Basic Engineering Concept. <b>Software:</b> Auto CAD, Solid works, CATIA, Pro-Engineer, Work NC, Master CAM and Unigraphics –NX <b>Practical:</b> Software Training and projevrt work <b>Specilized Course:</b> Entrepreneurship and Managerial Skills, Safety and Maintanance, Soft skills, English Skills, Computer skills, Group Discussion & Personality Improvement, OHS and Employability Skill.

### H. Entrepreneurship cum Skill development Program Under E-SDP (ATI) scheme of M/o MSME, Govt. Of India.

49	AutoCAD (Mechanical)	MSME / ACAD / 77	Regular Courses	96 Hrs.	4Hrs./day	25	10 <sup>th</sup> Pass	Sponsored by M/o MSME	<b>Software Training :</b> Create 2D sketch, Edit of models, Understand the layer management & block, Create solid model for mechanical components, Apply mechanical rendering. <b>Specialized Courses</b> Observe & follow safety and Communicate effectively.
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50	AutoCAD (Electrical)/ E-CAD	MSME/ECAD/ 91	Regular Courses	96 Hrs.	4Hrs./da y	25	10 <sup>th</sup> Pass	Sponsored by M/o MSME	<b>Software Training :</b> Create 2D sketch, Edit of models, Understand the layer management & block, Create solid model for mechanical components, To design different types of electrical circuits. <b>Specialized Courses</b> Observe & follow safety and Communicate effectively.
51	Certificate Course in CNC Milling (MSME/CCCM/54)	MSME/CCCM/ 54	Regular Courses	6 month 780 HRS	6 hrs./day	25	10 <sup>th</sup> pass	Sponsored by M/o MSME	<b>Theory:</b> Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation and Quality Management System <b>Software:</b> CNC Simulator for CNC Programming - Milling. <b>Practical:</b> CNC Machining & programming on CNC Milling Machine and On Job Training <b>Specilized Course:</b> Group Discussion & Personality Improvement, OHS and Employability Skill,.
52	Certificate Course in CNC Turning (MSME/CCCT/55)	MSME /CCCT/55	Regular Courses	6 month 780 HRS	6 hrs./day	25	10 <sup>th</sup> pass	Sponsored by M/o MSME	<b>Theory:</b> Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation and Quality Management System <b>Software:</b> CNC Simulator for CNC Programming & Machining-Turning. <b>Practical:</b> CNC Machining & programming on CNC Lathe Machine and On Job Training <b>Specilized Course:</b> Group Discussion & Personality Improvement, OHS and Employability Skill,.
53	CNC Programming Lathe	MSME/ CNCPL / 92	Regular Courses	96 Hrs.	4Hrs./da y	25	10 <sup>th</sup> Pass	Sponsored by M/o MSME	<b>Theory:</b> List different Cutting tooling standards , Develop mathematical / Analytical skills <b>Practical:</b> Execute CNC Programme on CNC simulator, CNC Lathe Programming - On job training. <b>Specialized Courses</b> Observe & follow safety and Communicate effectively.
54	CNC Programming Milling	MSME/ CNCPL / 94	Regular Courses	96 Hrs.	4Hrs./da y	25	10 <sup>th</sup> Pass	Sponsored by M/o MSME	<b>Theory:</b> List different Cutting tooling standards , Develop mathematical / Analytical skills <b>Practical:</b> Execute CNC Programme on CNC simulator, CNC Milling Programming - On job training. <b>Specialized Courses</b> Observe & follow safety and Communicate effectively.
55	MasterCAM	MSME/MCAM/100	Regular Courses	96 Hrs.	4Hrs./da y	25	10 <sup>th</sup> Pass	Sponsored by M/o MSME	<b>Software Training:</b> Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting <b>Specialized Courses</b> Observe & follow safety and Communicate effectively.
56	PLC Programming	MSME/PLC/87	Regular Courses	96 Hrs.	4Hrs./da y	25	10 <sup>th</sup> Pass	Sponsored by M/o MSME	<b>Theory:</b> Basic Electronics, Switching ,Logic Gates, Wiring of PLC, Broad knowledge of PLC programming, <b>Practical:</b> Software Training and Interfacining with PLC Panne apply ladder logic principles for solutions to the specific problems. <b>Software:</b> Software for PLC programming(allen Broadly) <b>Specialized Courses</b> Observe & follow safety and Communicate effectively.
57	Solidworks	MSME/ SDWRKS / 78	Regular Courses	96 Hrs.	4Hrs./da y	25	10 <sup>th</sup> Pass	Sponsored by M/o MSME	<b>Software Training:</b> Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting. <b>Specialized Courses</b> Observe & follow safety and Communicate effectively.
58	Unigraphics / Nx	MSME / UNI / 79	Regular Courses	96 Hrs.	4Hrs./da y	25	10 <sup>th</sup> Pass	Sponsored by M/o MSME	<b>Software Training:</b> Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting <b>Specialized Courses</b> Observe & follow safety and Communicate effectively.



## I. NBCFDC Under PM-DAKSH scheme of M/o Social Justice, Govt. Of India.

59	Solidworks	MSME/ SDWRKS / 78	Regular Courses	80 Hrs.	4Hrs./day	30	10 <sup>th</sup> Pass	Sponsored by M/o Social Justice	<p><b>Software Training:</b> Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting.</p> <p><b>Specialized Courses</b> Observe &amp; follow safety and Communicate effectively.</p>
60	Unigraphics / Nx	MSME / UNI / 79	Regular Courses	80 Hrs.	4Hrs./day	30	10 <sup>th</sup> Pass	Sponsored by M/o Social Justice	<p><b>Software Training:</b> Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting</p> <p><b>Specialized Courses</b> Observe &amp; follow safety and Communicate effectively.</p>
61	CNC Programming Lathe	MSME/ CNCPL / 92	Regular Courses	80 Hrs.	4Hrs./day	30	10 <sup>th</sup> Pass	Sponsored by M/o Social Justice	<p><b>Theory:</b> List different Cutting tooling standards , Develop mathematical / Analytical skills</p> <p><b>Practical:</b> Execute CNC Programme on CNC simulator, CNC Lathe Programming - On job training.</p> <p><b>Specialized Courses</b> Observe &amp; follow safety and Communicate effectively.</p>
62	CNC Programming Milling	MSME/ CNCPL / 94	Regular Courses	80 Hrs.	4Hrs./day	40	10 <sup>th</sup> Pass	Sponsored by M/o Social Justice	<p><b>Theory:</b> List different Cutting tooling standards , Develop mathematical / Analytical skills</p> <p><b>Practical:</b> Execute CNC Programme on CNC simulator, CNC Milling Programming - On job training.</p> <p><b>Specialized Courses</b> Observe &amp; follow safety and Communicate effectively.</p>
63	Certificate course in CNC milling (NSQF Level-4)	MSME/CCCM/ 54	Regular Courses	6 month 780HRS	8 hrs./day	25	10 <sup>th</sup> pass	Sponsored by M/o Social Justice	<p><b>Theory:</b> Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation and Quality Management System</p> <p><b>Software:</b> CNC Simulator for CNC Programming - Milling.</p> <p><b>Practical:</b> CNC Machining &amp; programming on CNC Milling Machine and On Job Training</p> <p><b>Specilized Course:</b> Soft skills, English Skills, Computer skills, Group Discussion &amp; Personality Improvement, OHS and Employability Skill.</p>
64	Certificate course in CNC turning (NSQF Level-4)	MSME /CCCT/55	Regular Courses	6 month 780 HRS	6 hrs./day	20	10 <sup>th</sup> pass	Sponsored by M/o Social Justice	<p><b>Theory:</b> Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation and Quality Management System</p> <p><b>Software:</b> CNC Simulator for CNC Programming &amp; Machining-Turning.</p> <p><b>Practical:</b> CNC Machining &amp; programming on CNC Lathe Machine and On Job Training</p> <p><b>Specilized Course:</b> Group Discussion &amp; Personality Improvement, OHS and Employability Skill..</p>
65	Master certficte course in CAD/CAM (NSQF Level-6)	MSME /MCCCC/38	Regular Courses	6 month 780 HRS	6 hrs./day	20	Diploma (Mech. Engineering or equivalent)	Sponsored by M/o Social Justice	<p><b>Theory:</b> CNC Programming and CNC Machining.</p> <p><b>Software:</b> Computer Aided Design (CAD-Auto CAD and Solid works), Computer Aided Design &amp; Computer Aided Manufacturing (Unigraphics CAD &amp; Unigraphics CAM), Computer Aided Engineering (ANSYS), Advance Computer Aided Design (CREO Parametric and CATIA), CNC Programming and CNC Machining, , Course-work: Project</p> <p><b>Practical:</b>Software Training</p> <p><b>Specilized Course:</b> Employability &amp; Entrepreneurship Skills .</p>
66	Masters Certificate Course in Mechatronics (NSQF Level-6)	MSME/MCCM/39	Regular Courses	6 month 780 HRS	6 hrs./day	20	Diploma in (Mechanical/ Electronics /Electrical / or equivalent)	Sponsored by M/o Social Justice	<p><b>Theory:</b> PLC, SCADA, Automation Techniques, Mechatronics systems, Sensor &amp; Actuator, Industriaal Hydraulic &amp; Pneumatic.</p> <p><b>Software:</b>PLC (ALLEN BRADLEY), SCADA-Simens, LabView Robotino</p> <p><b>Practical:</b> Hardware &amp; software Training, working of Robotics, application of sensors, working principles robotic Buggy, Quardcopter and Robotic arm etc.</p> <p><b>Specilized Course:</b> Employability &amp; Entrepreneurship</p>

### J. PSDM Under NULM scheme ,Government of Punjab

67	CNC Operator-Turning	CSC/Q0115	Regular Courses	400HRS	4Hrs./day	30	10 <sup>th</sup> Pass	Sponsored by PSDM- Chandigarh	<p><b>Theory:</b> List different Cutting tooling standards , Develop mathematical / Analytical skills</p> <p><b>Practical:</b> Execute CNC Programme on CNC simulator, CNC Lathe Programming - On job training.</p> <p><b>Specialized Courses</b> Observe &amp; follow safety and Communicate effectively.</p>
68	CNC Operator-Milling	RSC/Q4301 (CPC/Q7103)	Regular Courses	480HRS	4Hrs./day	30	10 <sup>th</sup> Pass	Sponsored by PSDM- Chandigarh	<p><b>Theory:</b> List different Cutting tooling standards , Develop mathematical / Analytical skills</p> <p><b>Practical:</b> Execute CNC Programme on CNC simulator, CNC Milling Programming - On job training.</p> <p><b>Specialized Courses</b> Observe &amp; follow safety and Communicate effectively.</p>

### K. Entrepreneurship cum Skill development Program Under E-SDP scheme of M/o MSME, Govt. Of India.

69	AutoCAD	E-SDP	Sanctioned Courses	6 week	6Hrs./day	25	10 <sup>th</sup> Pass	Sponsored by M/o MSME	<p><b>Software Training :</b> Create 2D sketch, Edit of models, Understand the layer management &amp; block, Create solid model for mechanical components, Apply mechanical rendering.</p> <p><b>Specialized Courses:</b> Employability &amp; Enterpreneuship skills , Observe &amp; follow safety and Communicate effectively.</p>
70	Solidworks	E-SDP	Sanctioned Courses	6 week	6Hrs./day	25	10 <sup>th</sup> Pass	Sponsored by M/o MSME	<p><b>Software Training:</b> Create 2D sketch, Design Solid Model, Develop surface Model, Build Assembly Design, Generate drafting.</p> <p><b>Specialized Courses:</b> Employability &amp; Enterpreneuship skills , Observe &amp; follow safety and Communicate effectively.</p>
71	CNC Programming	E-SDP	Sanctioned Courses	6 week	6Hrs./day	25	10 <sup>th</sup> Pass	Sponsored by M/o MSME	<p><b>Theory:</b> List different Cutting tooling standards , Develop mathematical / Analytical skills</p> <p><b>Practical:</b> Execute CNC Programme on CNC simulator, CNC Programming - On job training.</p> <p><b>Specialized Courses:</b> Employability &amp; Enterpreneuship skills , Observe &amp; follow safety and Communicate effectively.</p>
72	Basics of Computer Concepts	E-SDP	Sanctioned Courses	6 week	6Hrs./day	25	10 <sup>th</sup> Pass	Sponsored by M/o MSME	<p><b>Theory:</b> Fundamentals of computers and various Hardware components</p> <p><b>Practical:</b> Introduction &amp; Application of MS Word, Excell, powerpoint, operating sstems, Installation &amp; Maintenance of of Windows, use of antivirus software.</p> <p><b>Specialized Courses:</b> Employability &amp; Enterpreneuship skills , Observe &amp; follow safety and Communicate effectively.</p>
73	Web Designing	E-SDP	Sanctioned Courses	6 week	6Hrs./day	25	10 <sup>th</sup> Pass	Sponsored by M/o MSME	<p><b>Theory:</b> Introductio to web designing, CSS. Html, Html 5, and Java Script</p> <p><b>Practical:</b> software training on Development of Website, application of Java Script, CSS, Html and Various Tags etc.,</p> <p><b>Specialized Courses:</b> Employability &amp; Enterpreneuship skills and Communicate effectively.</p>
74	Electrical gadget repair	E-SDP	Sanctioned Courses	6 week	6Hrs./day	25	8 <sup>th</sup> Pass	Sponsored by M/o MSME	<p><b>Theory:</b> Safety Precautions, Types of wiring, and introduction to electrical power circuit</p> <p><b>Practical:</b> 1 Phase &amp; 3 Phase wiring, House wiring, types of fuses, repir 7 maintenace of electrical Gadgets</p> <p><b>Specialized Courses:</b> Employability &amp; Enterpreneuship skills , Observe &amp; follow safety.</p>

### L. SIYB : Start & Improve your Business Under ESDP scheme of M/o MSME, Govt. Of India.

75	SIYB	ESDP-SIYB	Sanctioned Courses	25 working days	8Hrs./day	25	8 <sup>th</sup> Pass	Sponsored by M/o MSME	<p><b>MODULE 1</b> - Generate Your Business Idea (GYB) [5 Days]</p> <p><b>MODULE 2</b> - Start Your Business (SYB) [5 Days]</p> <p><b>MODULE 3</b> - Institutional Support Systems to Pursue Entrepreneurship &amp; and Procedural Guidance [5 Days]</p> <p><b>MODULE 4</b> - Managing Your Business [5 Days]</p>
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**M. SCORE : Sustaining Competitive and Responsible Enterprises Programme Under ESDP scheme of M/o MSME, Govt. Of India.**

76	SCORE	ESDP-SCORE	Sanctioned Courses	25 working days	8Hrs./day	25	8 <sup>th</sup> Pass	Sponsored by M/o MSME	
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**N. IMC : INDUSTRIAL MOTIVATION CAMPAIGN Programme Under ESDP scheme of M/o MSME, Govt. Of India.**

77	IMC	ESDP-IMC	Sanctioned Courses	1-2DAYS	2Hrs./day	50-100	12 <sup>TH</sup> /ITI/DIPLOMA/DEGREE/GRADUATION ANY	Sponsored by M/o MSME	
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**O. SC-ST HUB Programme Under NSSH scheme of M/o MSME, Govt. Of India.**

78	Certificate Course in CNC Milling (NSQF Level-4)	MSME/CCCM/54	Sanctioned Courses	6 Months / 780 Hrs.	8 Hrs./Day	30	Preferably SSC passed or its equivalent.	Sponsored by M/o MSME	<p><b>Theory:</b> Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation and Quality Management System</p> <p><b>Software:</b> CNC Simulator for CNC Programming - Milling.</p> <p><b>Practical:</b> CNC Machining &amp; programming on CNC Milling Machine and On Job Training</p> <p><b>Specilized Course:</b> Group Discussion &amp; Personality Improvement, OHS and Employability Skill,.</p>
79	Certificate Course in CNC Turning (NSQF Level-4)	MSME/CCCT/55	Sanctioned Courses	6 Months / 780 Hrs.	8 Hrs./Day	30	Preferably SSC passed or its equivalent.	Sponsored by M/o MSME	<p><b>Theory:</b> Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation and Quality Management System</p> <p><b>Software:</b> CNC Simulator for CNC Programming &amp; Machining-Turning.</p> <p><b>Practical:</b> CNC Machining &amp; programming on CNC Lathe Machine and On Job Training</p> <p><b>Specilized Course:</b> Group Discussion &amp; Personality Improvement, OHS and Employability Skill,.</p>
80	Master Certificate Course in CNC Technology	MSME/MCCCT/41	Sanctioned Courses	6 Months / 780 Hrs.	8 Hrs./Day	30	Preferably Diploma in (Mech. Engineering / Prod. Engineering / Automobile Engineering or equivalent).	Sponsored by M/o MSME	<p><b>Theory:</b> Planning, sequenc of operations, Total Quality Management</p> <p><b>Software:</b> CNC simulator for CNC Part programming, CAM software</p> <p><b>Practical:</b> Software Training, Execution of Job, Arrangement of tools &amp; accessories, Elements of tools with their Functions, Manufacturing Process &amp; Process Plan, Tool &amp; Die Manufacturing Plan, Mannual part programming, Execution of CNC Programme through CAM and Project work on live jobs.</p> <p><b>Specialized Course:</b> Basic Health &amp; Safety Practices, Business Communication, Entrepreneurship &amp; Problem solving Skill ,</p>
81	Master Certificate Course in CAD/CAM	MSME/MCCCC/38	Sanctioned Courses	6 Months / 780 Hrs.	8 Hrs./Day	30	Diploma / Degree (Mech. Engineering or equivalent)	Sponsored by M/o MSME	<p><b>Theory:</b> CNC Programming and CNC Machining.</p> <p><b>Software:</b> Computer Aided Design (CAD-Auto CAD and Solid works), Computer Aided Design &amp; Computer Aided Manufacturing (Unigraphics CAD &amp; Unigraphics CAM), Computer Aided Engineering (ANSYS), Advance Computer Aided Design (CREO Parametric and CATIA), CNC Programming and CNC Machining, , Course-work: Project</p> <p><b>Practical:</b>Software Training</p> <p><b>Specilized Course:</b> Employability &amp; Entrepreneurship Skills</p>

82	Graphics & Web Designer	MSME/ANI/GWD	Sanctioned Courses	4 Months / 390 Hrs.	8 Hrs./Day	30	10+2	Sponsored by M/o MSME	<b>Theory:</b> Fundamentals of computer & Introduction of computer graphics. <b>Software:</b> Adobe Photoshop, Corel Draw, Adobe Illustrator, Adobe In Design, Web Designing and Project work. <b>Practical:</b> Software Training. <b>Specilized Course:</b> Employability & Enterpreneuship skills.
83	Advanced Diploma in Computer Hardware & Network Management	MSME/ADCHNM/51	Sanctioned Courses	6 Months / 780 Hrs.	8 Hrs./Day	30	Preferably B.Sc./Diploma/ Degree Engineering pass.	Sponsored by M/o MSME	<b>Theory:</b> Network, Essential, setup & management <b>Software Training:</b> Operating system, MS office, Linux, LAN <b>Practical :</b> Software Installation, Up gradation & Maintenance, Power supply, Network management & server configuration, LINUX management & network configuration, Basic Electronics Office Package <b>Specilized Course:</b> Employability and Communication Skill
84	Masters Certificate Course in Mechatronics	MSME/MCCM/39	Sanctioned Courses	6 Months / 780 Hrs.	8 Hrs./Day	30	Preferably Diploma in (Mech. Engineering / Prod. Engineering / Electronics Engineering / Electrical Engineering / Instrumentation Engineering or equivalent).	Sponsored by M/o MSME	<b>Theory:</b> PLC, SCADA, Automation Techniques, Mechatronics systems, Sensor & Actuator, Industriaial Hydraulic & Pneumatic. <b>Software:</b> PLC (ALLEN BRADLEY), SCADA-Simens, LabView Robotino <b>Practical:</b> Hardware & software Training, working of Robotics, application of sensors, working principles robotic Buggy, Quardcopter and Robotic arm etc. <b>Specilized Course:</b> Employability & Entrepreneurship
85	Advance Certificate Course in Inspection & Quality Control	MSME/ACCIOC/56	Sanctioned Courses	6 Months / 780 Hrs.	8 Hrs./Day	30	Preferably 10+2 with Science / Graduation in any discipline	Sponsored by M/o MSME	<b>Theory:</b> Engineering Drawingy, Engineering Metrology, Workshop Calculation, Total Quality Management, Inspection (CMM), <b>Software:</b> AutoCAD, Master CAM, N.X (UNIGRAPHICS). <b>Practical:software training,</b> Inspection & Quality Control - On Job Training, CMM <b>Specilized Course:</b> Employability skill
86	Master Certificate Course in Tool Design	MSME/MCCTD/42	Sanctioned Courses	6 Months / 780 Hrs	8 Hrs./Day	30	Diploma / Degree (Mech. Engineering or equivalent)	Sponsored by M/o MSME	<b>Theory:</b> JIGS & FIXTURES <b>Software:</b> 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, Course-work: Project <b>Practical:</b> Software Training <b>Specilized Course:</b> Employability & Entrepreneurship Skills

### P. OUTREACH TRAINING PROGRAM(1-2DAY/1WEEK/2WEEKS )(ONLINE/OFFLINE)

87	AutoCAD	CIHT	Every Month	1DAY/1WEEK 2 WEEKS	2Hrs./day	50-100	10 <sup>th</sup> Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW ON AUTOCAD DRAFTING, 2D DRAWING & DRAFTING,DIMENSIONING & ANNOTATIONS
88	Solidworks	CIHT	Every Month	1DAY/1WEEK 2 WEEKS	2Hrs./day	50-100	10 <sup>th</sup> Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW ON SOLIDWORK SOFTWARE,BASIC PART MODELLING AND ASSEMBLY
89	CREO Parametric	CIHT	Every Month	1DAY/1WEEK 2 WEEKS	2Hrs./day	50-100	10 <sup>th</sup> Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW ON CREO PARAMETRIC SOFTWARE,BASIC PART MODELLING AND ASSEMBLY

90	Unigraphics	CIHT	Every Month	1DAY/1WEEK 2 WEEKS	2Hrs./day	50-100	10 <sup>th</sup> Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW ON NX SOFTWARE,BASIC PART MODELLING AND ASSEMBLY
91	COMPUTER HARDWARE & NETWORKING	CIHT	Every Month	1DAY/1WEEK 2 WEEKS	2Hrs./day	50-100	10 <sup>th</sup> Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	BASIC DESCRIPTIONS OF COMPUTER HARDWARE & NETWORKING,COMPONENTS OF CPU,BASIC CONCEPT OF NETWORKING
92	ECAD	CIHT	Every Month	1DAY/1WEEK 2 WEEKS	2Hrs./day	50-100	10 <sup>th</sup> Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW ON AUTOCAD DRAFTING, 2D DRAWING & DRAFTING,DIMENSIONING & ANNOTATIONS
93	CNC PROGRAMMING TURNING	CIHT	Every Month	1DAY/1WEEK 2 WEEKS	2Hrs./day	50-100	10 <sup>th</sup> Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW OF CNC MACHINE,BASIC CNC LATHE PROGRAMMING
94	CNC PROGRAMMING TURNING	CIHT	Every Month	1DAY/1WEEK 2 WEEKS	2Hrs./day	50-100	10 <sup>th</sup> Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW OF CNC MACHINE,BASIC CNC MILLING PROGRAMMING
95	INDUSTRIAL AUTOMATION	CIHT	Every Month	1DAY/1WEEK 2 WEEKS	2Hrs./day	50-100	10 <sup>th</sup> Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW OF AUTOMATION CONTROLLER SOFTWARES
96	ROBOTICS	CIHT	Every Month	1DAY/1WEEK 2 WEEKS	2Hrs./day	50-100	10 <sup>th</sup> Pass	118/-(1-2DAYS) 500/-(1 WEEK) 1000/-(2WEEKS)	OVERVIEW OF FESTO ROBOTINO AND DEMOSTRATION
97	CARPENTARY	CIHT	Every Month	2WEEKS (10DAYS)	3Hrs./day	50-100	VI TO VIII CLASS	10000+18% GST/- (GROUP OF 50STUDENTS)	use of raw materials used in carpentry shop : wood & alternative materials,Material & specification tools used in carpentary shop
98	WELDING TECHNOLOGY	CIHT	Every Month	2WEEKS (10DAYS)	3Hrs./day	50-100	VI TO VIII CLASS	10000+18% GST/- (GROUP OF 50STUDENTS)	Introduction and importance of welding as compared to other material joining processes, Specifications and type of welding machines, classification and coding of electrodes, Welding parameters, welding joints and welding positions.
99	COMPURE HARDWRAE	CIHT	Every Month	2WEEKS (10DAYS)	3Hrs./day	50-100	VI TO VIII CLASS	10000+18% GST/- (GROUP OF 50STUDENTS)	Introduction & Definition of Computer, History and Generation of computers, Memory - Bits, Identifying the Important Hardware Components of PC, Assembling and Disassembling a PC, Precautions to be taken while assembling the PC..

100	NETWORKING & CYBER SECURITY	CIHT	Every Month	2WEEKS (10DAYS)	3Hrs./day	50-100	VI TO VIII CLASS	10000+18% GST/- (GROUP OF 50STUDENTS)	Introduction to Computers, Basic building blocks of a computer system the CPU, the Arithmetic & Logical Unit, Introduction to Windows, Electronic Components, Network Address Translation (NAT) concepts, Types of NAT
101	AUTOMATION TECHNOLOGY	CIHT	Every Month	2WEEKS (10DAYS)	3Hrs./day	50-100	VI TO VIII CLASS	10000+18% GST/- (GROUP OF 50STUDENTS)	Introduction to industrial automation. Advantage of automation. Application of plc in industrial automation. Overview of different control system. Introduction to electrical hardware control, Switching Circuits and PLC Network Settings/Communication Settings, Radiation Sensors - Smart Sensors - Film sensor, MEMS & Nano Sensors – applications – Automobile.

**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:
  - Attested Copy of Aadhaar Card (Compulsory for admission in any courses).
  - Attested copy of qualification details as required for the respective courses.
  - Attested Copy of age proof.
  - Two passport size photographs.
  - Attested copy of Cast Certificate
3. Incomplete applications are liable to be rejected.
4. No Tution 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. Examination Fee of Rs. 200/- (excluding tution fee) to be paid by each candidates for NSQF compliant Courses.
6. Course fee is inclusive of GST charges as applicable.
7. Institute reserve the right to incorporate changes in proposed schedule dates / Batch size without assigning any reason.
8. Placement Assistance will be provided on successful course completion & issuance of certificate.
9. Hostel facility may be provided subject to availability.
10. Visit <http://www.msde.gov.in/nsqf.html> for more information about NSQF compliant courses.
11. For more details about the admission under different Scheme / courses may contact at following numbers:
  - 9915466844, 9417863723, 7986832232, 9465146877, 9417851285, 0181- 2290225, 2290226, 2290008.
  - Email: info@ciht.in, [cihtjld@gmail.com](mailto: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-9001:2008, ISO-14001:2004 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.