



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 2018-19

Course Code	Title of Programme / Course	Dates of Commencement	Duration	Timings	Intake Capacity	Eligibility criteria	Fee per participant including GST	Contents in brief
A	AICTE approved Long Term Programmes/Courses:							
CIHT/LT01	4 Years Diploma in Mechanical Engineering (Tool & Die), Approved by AICTE and PSBTE - Chandigarh	Month of June /July	4 years	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
CIHT/LT02	3 Years Diploma in Computer Science & Engineering, Approved by AICTE and PSBTE - Chandigarh	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
B	National Skill Qualification Framework (NSQF) Compliant Courses (Long / Medium Term courses)							
MSME /PDCC/13	Post Diploma in CAD / CAM (NSQF Level-6)	Month of April/July/ Oct/ Jan	1 year 1560 HRS	6 hrs./day	40	Diploma / Degree in Mechanical, Production, Tool & Die Making / Automobile or equivalent.	65,000/-	As per NSQF Qualification file / Curriculum
MSME/ACCC M/35	Advance certificate course in CNC machining (NSQF Level-5)	-do-	1 year 1560 HRS	6 hrs./day	40	ITI	65,000/-	-do-
MSME/CCCT M/25	Certificate course in CNC turning & Milling (NSQF Level-4)	-do-	1 year 1560 HRS	6 hrs./day	40	Preferably 10th pass	60,000/-	-do-
MSME / CCMO /21	Certificate course in Machine Operations (NSQF Level-3)	-do-	1 year 1560 HRS	6 hrs./day	40	8th pass and Minimum Age 15 Years	48,000/-	-do-
MSME /MCCCC/38	Master certificate course in CAD/CAM (NSQF Level-6)	-do-	6 month 780 HRS	6 hrs./day	40	Preferably Diploma (Mech. Engineering or equivalent)	45,000/-	-do-
MSME /MCCCT/41	Master certificate course in CNC technology (NSQF Level-6)	-do-	6 month 780 HRS	6 hrs./day	40	Preferably Diploma (Mech. Engineering or equivalent)	45,000/-	-do-
MSME/CCCM / 54	Certificate course in CNC milling	-do-	6 month	6 hrs./day	40	Preferably SSC passed or equivalent	36,000/-	-do-

	(NSQF Level-4)		780 HRS					
MSME /CCCT/55	Certificate course in CNC turning (NSQF Level-4)	-do-	6 month 780 HRS	6 hrs./day	40	Preferably SSC passed or equivalent	36,000/-	-do-
MSME / ADCHNM / 51	Advanced diploma in computer hardware & network management (adchnm) (NSQF Level-4)	-do-	6 month 780 HRS	6 hrs./day	40	Preferably B.Sc./ Diploma/ degree Engineering Pass	30000/-	-do-
MSME/MCC M/39	Masters Certificate Course in Mechatronics (NSQF Level-6)	-do-	6 month 780 HRS	6 hrs./day	40	Preferably Diploma in (Mechanical/ Electronics /Electrical / or equivalent	34,000/-	-do-
MSME/ACCI QC / 56	Advance Certificate Course in Inspection & Quality Control (NSQF Level-5)	-do-	6 month 780 HRS	6 hrs./day	40	Preferably 10 +2 with Science / Graduation in any discipline Minimum age 17 years	30000/-	-do-
MSME / ANI / GWD	Graphics & Web Designing (NSQF Level-5)	-do-	4 Months 390 Hrs	4 hrs./Day	40	Preferably 10th +2	24000/-	-do-
C	Short Term Programmes:							
CIHT/ST01	Basics of Auto CAD	First working day of every month	80 Hrs.	4Hrs./day	25	Degree/Diploma, ITI / 10th	Rs. 4,000/-	Introduction to auto cad, Creating /Opening /Editing /Printing and Saving a File, 2D and 3D Drafting, Dimensioning , Basics of 3D Modeling Editing.
CIHT/ST02	Advance Auto CAD	-do-	100 Hrs.	4 hrs./day	25	-do-	Rs. 6,000/-	Introduction & application of Auto Cad, Creating /Opening /Editing /Printing and Saving a File, 2D and 3D Drafting, Dimensioning , 3D Modeling Editing and application of layers in drawing.
CIHT/ST03	CATIA	-do-	180 hrs.	4 hrs./day	25	-do-	Rs.13,000/-	Sketcher, Part Modeling, Adv.Part Modelling, Assembly, DMU Kinametics , Drafting, Wireframe & Surface Modeling, Generative Sheet Metal, Core & cavity Design.
CIHT/ST04	Intigrated CAD & CAM -NX (Unigraphics)	-do-	180 hrs.	4 hrs./day	25	-do-	Rs.13,000/-	Sketcher, Part Modeling, Adv. Part Modelling, Synchronous Modelling, Assembly,Drafting, Surface Modeling, Sheet Metal, Mould (Core & cavity) Design, Manufacturing, Milling.
CIHT/ST05	Intigrated CAD & CAM (ProE /Creo)	-do-	180 hrs.	4 hrs./day	25	-do-	Rs.13,000/-	Sketcher, Part Modeling,Adv. Part Modelling, Assembly Drafting, Surface Modeling, Sheet Metal,Mould(Core & cavity) Design, Manufacturing Milling.
CIHT/ST06	Solid Works	-do-	180 hrs.	4 hrs./day	25	-do-	Rs.13,000/-	Sketcher, Part Modeling,Adv. Part Modelling, Assembly,Drafting, Surface Modeling, Sheet Metal, Mould (Core & cavity) Design, Weldments.
CIHT/ST07	Solid Edge	-do-	120 hrs.	4 hrs./day	25	-do-	Rs.10,000/-	Sketcher, Part Modeling,Adv. Part Modelling, Assembly,Drafting, Surface Modeling, Sheet Metal, Mould (Core & cavity) Design, evaluation
CIHT/ST08	Work NC CAM	-do-	100 hrs.	4 hrs./day	25	-do-	Rs.10,000/-	Sketcher, Part Modeling, Curves & Surafcing , Xform, Manufacturing : Milling, Turning, Wirecut, Rouiting,
CIHT/ST09	Master CAM	-do-	120 hrs.	4 hrs./day	25	-do-	Rs. 13,000/-	Sketcher, Part Modeling, Curves & Surafcing , Xform, Manufacturing : Milling, Turning, Wirecut, Rouiting,

CIHT/ST10	ANSYS	-do-	180 hrs.	4 hrs./day	25	Preferably Diploma / degree in Mech or its equivalent	Rs.13,000/-	Introduction to Ansys work bench, Static Structural analysis, Thermal Analysis , Vibration Analysis, Explicit analysis and Eigen value Problems etc.
CIHT/ST11	CNC Turning	-do-	180 hrs.	4 hrs./day	25	Preferably SSC	Rs. 11,000/-	Use of Fanuc or Siemens Controller on CNC Lathe Machine for different Lathe operations & their Practical
CIHT/ST12	CNC Milling	-do-	180 hrs.	4 hrs./day	25	-do-	Rs 14,000/-	Use of Fanuc Controller software on CNC Milling Machine for different Milling operations & their Practical
CIHT/ST13	Basics of PLC Programming	-do-	80 Hrs.	4 hrs./day	25	Degree/Diploma in Mech., Electrical, Production, ECE /ITI.	Rs. 4,000/-	Basic of digital electronics, introduction to PLC, PLC Architecture, Programming through ladder diagram, its interfacing with I/O devices,
CIHT/ST14	PLC Programming & Its application	-do-	120 Hrs.	4 hrs./day	25	-do-	Rs. 6,000/-	Basic of digital electronics, Basic of electronics & electrical, introduction to PLC, PLC Architecture, Programming through ladder diagram, its interfacing with I/O devices, developing programme and its simulation and its hardware
CIHT/ST15	Condensed course on Hydraulic & Pneumatic	-do-	120 Hrs.	4 hrs./day	25	-do-	Rs. 6,000/-	Basic of hydraulics & Pneumatic system, study of fluids, control valves, cylinders, development of hydraulics and its simulation
CIHT/ST16	Automation with PLC Programming	-do-	180 hrs.	4 hrs./day	25	-do-	Rs.10,000/-	Basic of digital electronics, Basic of electronics & electrical , introduction to PLC, PLC Architecture, Programming, function & its application, Programming through ladder diagram, developing programme and its application, developing programme and its simulation and AC & DC Drives.
CIHT/ST17	SCADA	-do-	180 hrs.	4 hrs./day	25	-do-	Rs.10,000/-	Basics of PLC Programming, introduction & application of scada system, programming technique, developing programme and its simulation design and interfacing scada software with PLC hardware & simulator.
CIHT/ST18	Embedded System & its application	-do-	180 hrs.	4 hrs./day	25	Degree/Diploma in, EEE, ECE /ITI	Rs.10,000/-	Introduction to digital, analog electronics, microcontroller , timer programming in assembly and Serial port programming, microcontroller application, and project work. PIC, its programming and project work.
CIHT/ST19	Web Designing	-do-	80 Hrs.	4 hrs./day	25	10 th /ITI	Rs. 4,000/-	Photoshop layer, image filter tool, flash layer, HTML, CSS & dreamweaver.
CIHT/ST20	PHP with MYSQL	-do-	120 Hrs.	4 hrs./day	25	Degree / Diploma / B.Sc	Rs. 6,000/-	HTML, CSS, java script, Data Base, Dreamweaver
CIHT/ST21	Computer Basic	-do-	120 Hrs.	4 hrs./day	25	10 th	Rs. 4,000/-	Fundamental & Basics Of Computer, Types of software application software, MS Windows and its use, File management, folder, maintenance wizard, setting through control panel, PPT preparation, Word, Spread sheet, Use of Internet accessing/ browsing, Emailing Downloading Various services offered by internet
CIHT/ST22	Electrician	-do-	180 Hrs.	4 hrs./day	25	8 th pass and above	Rs. 8,000/-	Introduction to electrical system, Switch gear ,study of machine, circuit drawing, Electrical Instruments, AC & DC Motors, power factor control, D.G. Set, fault finding and its identification, Automation and preventive maintenance of machines.
CIHT/ST23	Welder	-do-	180 Hrs.	4 hrs./day	25	8 th pass and above	Rs. 8,000/-	Introduction to welding, Safety rules, basic bench work & Fitting, marking & layout of sheet metal, soldering & brazing, Riveting, gas cutting, gas welding, arc welding TIG Welding, MIG Welding, submerged arc welding and fabrication work
CIHT/ST24	Mesurment & Callibration	-do-	180 Hrs.	4 hrs./day	25	10 th pass and above	Rs.8,000/-	Introduction & use of Measuring Instruments like Vernier Caliper, Micrometer, Bevel Protector, Height Gauge, profile projector, hardness tester, calibration of Vernier & micrometer.

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Summer / Vocational Training Programmes:

CIHT/VT01	Basics of Auto CAD	May / June / July Dec / Jan	60 Hrs.	3 hrs./day	50	Degree/ Diploma Pursuing	Rs. 3000/-	As per institute syllabus
CIHT/VT02	Advance Auto CAD	-do-	90 Hrs.	-do-	50	-do-	Rs. 5,000/-	-do-
CIHT/VT03	CAD/CAM software (CATIA –CAD / Solidworks / Pro-e cad / Solid Edge / NX /Master cam)	-do-	120 hrs.	-do-	50	-do-	Rs. 6,000/-	-do-
CIHT/VT04	Basics of PLC Programming	-do-	60 Hrs.	-do-	50	-do-	Rs. 3,000/-	-do-
CIHT/VT05	PLC Programming & Its application / Hydraulics & Pneumatic / Embedded System & its applications / CIROS	-do-	90 Hrs.	-do-	50	-do-	Rs. 5,000/-	-do-
CIHT/VT06	Automation with PLC / SCADA	-do-	120 hrs.	-do-	50	-do-	Rs.6,000/-	-do-
CIHT/VT07	Web Designing	-do-	60 Hrs.	-do-	50	-do-	Rs. 3000/-	-do-
CIHT/VT08	PHP with MYSQL	-do-	90 Hrs.	-do-	50	-do-	Rs. 5,000/-	-do-
CIHT/VT09	Basic of CNC Programming	-do-	60 Hrs.	-do-	50	-do-	Rs. 3,000/-	-do-
CIHT/VT10	CNC Turning	-do-	90 hrs.	-do-	50	-do-	Rs. 5,000/-	-do-
CIHT/VT11	CNC Milling	-do-	90 hrs.	-do-	50	-do-	Rs. 6,000/-	-do-

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 institutions.

How to Apply:-

- Eligible candidates will be offered admission on first-cum-first-served basis.
- Refundable Security of Rs. 1000/- to be paid by each candidates at the time of admission, which will be refunded after the completion of course.
- Candidates seeking admissions should submit application on prescribed form along with copies of documents such as age proof, qualification, Cast Certificate & two passport size photographs.
- Aadhaar Card is compulsory for admission in any courses.
- Fee will be charged from all the candidates for *Short Term and Summer / Vocational Training Programmes*
- No fee will be charged from SC/ST candidates for NSQF & AICTE approved courses as per rule of Govt. of India subject to production of authentic cast certificate issued by competent authorities only.
- Institute reserve the right to incorporate changes in proposed schedule dates without assigning any reason.
- Placement Assistance will be provided on successful completion of the course
- Hostel facility may be provided subject to availability
- Visit <http://www.msde.gov.in/nsqf.html> for more information on NSQF compliant courses.
- Interested candidates may contact at following numbers:
 - 0181- 2290226, 2290008, Ext. No. 122,117, Fax: 0181-2290457
 - Email: info@ciht.in, cihtjld@gmail.com, Website: www.ciht.in

Introduction to CIHT:

- ✓ *Central Institute of Hand Tools (MSME TOOL ROOM, Jalandhar) was established in 1983 with assistance from UNDP, Government of India and Government of Punjab.*
- ✓ Hand Tools Industries consist of organized, small scale cottage sector; about 80 percent of small scale cottage sector are located in and around Jalandhar in Punjab, Nagaur in Rajasthan and Purulia in West Bengal. The Hand Tool industries are playing a vital role in economic development and earning valuable foreign exchange for the country.
- ✓ To provide technology support services to engineering industry in general and hand tools industries in particular, the Government of India has set up Central Institute of Hand Tools at Jalandhar. CIHT is a National Institute for hand tools in the state of Punjab as an autonomous organization with the assistance of U.N.D.P. and Govt. of Punjab.
- ✓ The management of the institute rests with the Governing Council appointed by the Govt. of India with Development Commissioner, MSME as an Ex-officio Chairman of the Institute. The Principal Director is the Chief Executive Officer of the Institute, other members include Govt. Officials and industrialists from the industry.