

Short Term Courses

COURSES FOR DIPLOMA/DEGREE IN MECHANICAL ENGG. OR EQUIVALENT

COURSE NAME	DURATION	COURSE FEE
Auto CAD (Mechanical)	1 Month	₹7,000/-
CATIA	1 Month	₹8,000/-
Creo	1 Month	₹8,000/-
UNIGRAPHICS	1 Month	₹8,000/-
SOLIDWORKS	1 Month	₹8,000/-
MASTER CAM	1 Month	₹8,000/-
CNC Milling & Turning	1 Month	₹8,000/-
ANSYS	2 Weeks	₹8,000/-
3D Printing & Additive Manufacturing	2 Weeks	₹8,000/-

COURSES FOR DIPLOMA/DEGREE IN ELECTRICAL/ ELECTRONICS ENGG. OR EQUIVALENT

COURSE NAME	DURATION	COURSE FEE
PLC	1 Month	₹8,000/-
VLSI	1 Month	₹8,000/-
SCADA	1 Month	₹8,000/-
Advanced Embedded System	1 Month	₹8,000/-
ROBOTICS	1 Month	₹8,000/-
Lab View	1 Month	₹8,000/-
E.CAD	1 Month	₹7,000/-

COURSES FOR DIPLOMA/DEGREE IN CIVIL ENGG.

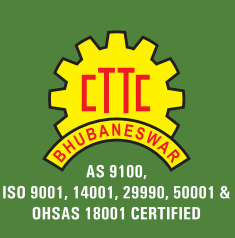
COURSE NAME	DURATION	COURSE FEE
Auto CAD (Civil)	1 Month	₹7,000/-
STAAD PRO	1 Month	₹8,000/-
3Ds Max	1 Month	₹8,000/-
REVIT	1 Month	₹8,000/-

COURSES FOR ANY GRADUATE

COURSE NAME	DURATION	COURSE FEE
MAT LAB	2 Weeks	₹8,000/-
Hardware Networking	1 Month	₹5,500/-
.NET	1 Month	₹5,500/-
Core JAVA	1 Month	₹5,500/-
Advanced JAVA	1 Month	₹5,500/-
C	1 Month	₹3,500/-
C++	1 Month	₹3,500/-
Entrepreneurship Skill Development Program	2 Weeks	₹2,500/-
Internet of Things	2 Weeks	₹8,000/-

ALL THE ABOVE SHORT TERM COURSE START ON 1ST WORKING DAY OF EVERY MONTH

ADVANCE CERTIFICATE COURSE IN WELDING TECHNOLOGY (ACGWT)



MSME TOOL ROOM, BHUBANESWAR

Micro, Small & Medium Enterprises, A Govt. of India Society
B-36, Chandaka Industrial Area, Near Infocity
Bhubaneswar-751024, Odisha, India

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**CENTRAL TOOL ROOM & TRAINING CENTRE
Bhubaneswar, Odisha**

AS 9100,
ISO 9001, 14001, 29990, 50001 &
OHSAS 18001 CERTIFIED

NSQF Complied Long Term Courses

COURSE NAME		DURATION	COURSE FEE
COURSES FOR 10TH PASS OUT			
Diploma in Tool & Die Making	DTDM	4 Year	₹19,000/- (per Semester)
Diploma in Mechantronics	DIM	3 Year	₹19,000/- (per Semester)
ITI Machinist	ITIM	2 Year	₹28,000/- (per Year)
ITI Fitter	ITIF	2 Year	₹28,000/- (per Year)
ITI Electrician	ITIE	2 Year	₹28,000/- (per Year)
Condensed Course in Tool & Die Making	CTDM	1 Year	₹66,000/-
Certificate Course in CNC Turning & Milling	CCTM	1 Year	₹32,000/-
COURSES FOR UNDER MATRIC			
Certificate Course in Machine Operation	CCMO	1 Year	₹18,000/-
COURSES FOR ITI STUDENTS			
Certificate Course in Advance Machining	CCAM	1 Year	₹32,000/-
Advance Certificate Course in Machine Maintenance	ACCMM	1 Year	₹32,000/-
Advance Certificate Course in CNC Machining	ACCCM	1 Year	₹34,000/-
Advance Certificate Course in Welding Technology	ACCWT	1 Year	₹50,000/-
Certificate Course in Machining	CCM	6 Months	₹22,000/-
Certificate Course in Fitting & Rigging	CCFR	6 Months	₹32,000/-
Suryamitra	-----	1.5 Months	₹10,000/-
COURSES FOR DIPLOMA IN MECHANICAL ENGG. OR EQUIVALENT			
Post Diploma in Tool & Die Manufacturing	PDTDM	1 Year	₹54,000/-
Post Diploma in CAD/CAM	PDCC	1 Year	₹54,000/-
Advance Diploma in CNC Programming Techniques & Practice	ADCNC	6 Months	₹34,000/-
COURSES FOR DEGREE IN MECHANICAL ENGG. OR EQUIVALENT			
Post Graduate Diploma in Tool Design & CAD/ CAM	PGTD	1 Year	₹60,000/-
Post Graduate in Aerospace Manufacturing	PGAM	1 Year	₹60,000/-
Master Certificate course in CAD / CAM	MCC	6 Months	₹36,000/-
COURSES FOR DIPLOMA IN ELECTRICAL/ELECTRONICS ENGG. OR EQUIVALENT			
Advanced Diploma in Machine Maintenance & Automation	ADMMA	6 Months	₹34,000/-
Advanced Embedded Technology	AET	6 Months	₹34,000/-
Certificate Course in Electrical Equipment Repair & Maintenance	CCERM	6 Months	₹34,000/-
Post Diploma in Industrial Automation & Robotics	PDIAR	1 Year	₹60,000/-
COURSES FOR DEGREE IN ELECTRICAL/ELECTRONICS ENGG. OR EQUIVALENT			
Master Certificate Course in Automation & Process Control	MCCAPC	6 Months	₹36,000/-
COURSES FOR DIPLOMA IN MECHANICAL/ ELECTRICAL/ELECTRONICS ENGG. OR EQUIVALENT			
Post Diploma In Mechatronics	PDIM	1 Year	₹54,000/-
COURSES FOR DIPLOMA/DEGREE IN CIVIL ENGG.			
Post Diploma in Structural Design & Analysis	PDSDA	1 Year	₹54,000/-
Advance Diploma in Structural Design & Analysis	ADSDA	6 Months	₹34,000/-
COURSES FOR ANY GRADUATE			
Advance Certificate Course in Inspection & Quality Control	ACCIQ	6 Months	₹22,000/-
Advance Diploma in Computer Hardware & Networking Management	ADCHNM	6 Months	₹34,000/-
Advanced Certificate Course in Software Application	ACCSA	6 Months	₹22,000/-

ADVANCE CERTIFICATE COURSE IN WELDING TECHNOLOGY (ACCWT)

Introduction to CTTC:

MSME Tool Room Bhubaneswar (Central tool Room & Training Centre) established in the year 1991, Today stands as the premier Tool Room & Training Centre in India. Under the Technical Co-operative programme between Government of India and Govt. of Denmark the Centre was established as a Govt. of India Society. The management of affairs of the Centre rests with the Governing Council constituted by Govt. of India. Additional Secretary & Development Commissioner (MSME), Govt. of India, is the President of the Society & Chairman of the Governing Council.

MSME Tool Room –Bhubaneswar is on the way of achieving its set goal with its extension Centre at Rayagada and Kalinga nagar, Odisha. It believes its bench marking its standards not only against the tool room and training centers in India and the world. The zeal and experience and commitment of employees has been pushing the Centre to achieve the greater height of quality industry oriented training programs for different levels and different discipline students and production of highly precision components for tool and die making, automobile and aerospace components.

Objectives of this course

Learners who attain this qualification are competent for welding like TIG, MIG, GAS, Electric ARC & other various type of welding or become an entrepreneur.

- Qualified learner get skill to work in Fabrication field.
- Qualified learner are capable to do all type of welding their inspection & able to identified defect & their remedies.

Who can avail this opportunity:

Preferably ITI Pass & Complete 18 year of age

NSQF Qualification: Level – 5

Duration: 1 year (1560 Hours)

Occupation of Qualification: Welding Technician

Progression of Occupation from Qualification: After completion of course and after 2 years of field experience the trainee can work as a senior welding technician and after that 3 years of experience trainee can work as a supervisor.

Fee:

₹ 50,000/-per participant to be paid in the following instalments.

At the time of registration	-	₹ 1,000/-
First Instalment	-	₹ 11,000/- (At the time of admission)
Second Instalment	-	₹ 12,000/- (After completion of three month)
Third Instalment	-	₹ 13,000/- (After completion of six month)

Fourth Instalment	-	₹ 13,000/- (After completion of nine month)
Insurance Fee	-	₹ 300/- (At the time of admission)
NSQF Assessment Fee	-	₹ 800/- (At the time of admission only for general)

22.5% seats are reserved for SC/ST candidates for whom no course fee will be charged subject to production of two photocopies of caste certificate duly attested by Greeted Officer. However, all other fees/deposits is to be paid in case of admission. Caste Certificate in Original from competent authority is to be produced for verification at the time of admission which may be revived from the issuing authority.

COURSE CONTENT :

Certificate Course in Welding Technology	Estimated size (learning hours)
Personality Development & Computer Literacy	60 hrs
Engineering Calculation & Science	80 hrs
Mechanical Drawing	120 hrs
Welding Technology (Theory)	240 hrs
Welding Technology (Practice)	1000 hrs
Admission and Assessment	60 hrs
Total	1560 Hrs

ELIGIBILITY TO APPEAR IN THE EXAM:

Minimum 80% attendance is compulsory for the students to appear for the assessments.

PASSING MARKS:

Passing criteria is based on marks obtain in

Internal assessment (attendance record, term works , assignments),

Practical (practical's performance and viva) and Theory exam.

Minimum Marks to pass practical exam – 60%

Minimum Marks to pass theory exam – 40%

Minimum Marks to pass internal assessment – 60%

DETAIL COURSE CONTAIN FOR 1 YEAR:

Course Name	Contents (chapters/topics)
Personality Development & Computer Literacy	English Literacy(Pronunciation, Functional Grammar, Reading, Writing Speaking / Spoken English), I.T. Literacy(Basics of Computer, Computer Operating System, Word processing and Worksheet, Computer Networking and INTERNET), Communication Skills, Entrepreneurship skill, Productivity, Occupational Safety, Health &, Environment, Labor Welfare Legislation, Quality Tools
Engineering Calculations & Science	Unit System, Basic Mathematics, Ratio, Proportion & Percentage, Basic Algebra, Mensuration, Material Science, Mass, Weight and Density, Elasticity, Heat &, Temperature, Basic Electricity.
Mechanical Drawing	Introduction to Engineering Drawing and Drawing Instruments, Lines , Free hand drawing of , Lettering and Numbering as per BIS SP46-2003:, Drawing of Geometrical, Figures: Definition, nomenclature and practice of, Sizes and Layout of Drawing Sheets, Method of presentation of Engineering Drawing, Symbolic Representation used in the related trade (as per BIS SP:46-2003) of :, Dimensioning practice:, Projections.
Welding Technology (Theory)	General Introduction & definition of welding, Study of Joining methods, Heat temperature & Gases, Arc welding & its uses, Gases, its properties & gas welding techniques, Specification of welding process, Filler rods & electrode, Weld ability of metals, Introduction to GMAW systems, Heat, electro slag & gas welding, thermit welding process, GTAW Process & Tungsten electrodes, Plasma Arc Welding & metalizing principals, Welding Quality & Inspection.
Welding Technology (Practical)	Hack sawing, filing square, setting up of arc welding machines, Different welding techniques by using welding simulator, Edge joint, marking on straight line on ms plate, bevelling of Ms plate, fillet lap joint, open corner joint, circular gas cutting, open corner joint on in flat position, fillet lap joint, single v butt joint, square butt joint, straight line beads and fillet 't' joint, fillet lap joint on different operation, fusion run with filler rod, single v butt joint, fillet "t" joint on different operation, Open corner joint, pipe welding, pipe welding "t" joint & different operation, straight line beads, pipe flange joint, fillet lap joint on overhead position, single "v" butt joint on over head position, square butt joint on different operation, arc gouging, bronze welding, Do use of machinery, setting up of gmaw welding machine, deposition straight line, fillet weld – t, lap, corner, ,Butt weld, various type of fillet weld, t joint on different size of ms sheet/plate, fillet weld – lap & t joint on ms sheet & pipe, Deposition bead & various welding on ss sheet, aluminium sheet, pipe butt joint on aluminium & resistance spot welding, silver brazing on ss sheet and square butt joint on copper sheet, Various testing (destructive & non-destructive)

How to apply:

Application form attached with the broacher be filled up & mailed to Sr. Manager (Training) along with a D/D of ₹1000.00 on or before _____ In the event of selection this money will be adjusted in the course fee otherwise refund will be given on or before one week of course starts. Admission notification will be issued immediately after the last date of receipt of application and selected candidates will be required to pay fees within 15 days on or before _____ and report for training from _____.

Hostel Accommodation:

Dormitory accommodations can be arranged in the CTTC guest house which can be booked on advanced request. The accommodation charges will be ₹1500.00 per month per bed.

Uniform:

The candidates will have to get uniforms, dress stitched at their own cost as per the colour & design specified by the center.

Certification:

After successful completion of training main certificate with grade, mark sheet & project certificate will be issued separately to the trainees.

Placement Help:

CTTC placement cell will make efforts to contact & invite companies to conduct campus interviews; however, no guarantee can be given for placement/employment. Interested trainees can be registered by paying ₹2,000/- each towards placement registration at start of the programme and in case of trainee is not successful from getting placement he/she may be refunded ₹1,000/-.

GENERAL RULES & REGULATIONS FOR TRAINEES:

- CTTC reserves the right to reject any application without assigning any reason. Incomplete applications are liable to be rejected.
- Registration Fee is Non Refundable, in case any candidate cancels his admission for any reason.
- Course Fee once paid will not be refunded & Registration/ Course Fee is not transferrable.
- Insurance & other charges as specified for the course to be paid but the trainee in addition to the course fee as applicable.
- All the trainee will be ensure discipline within the campus.
- Trainee shall be required to wear uniform & shoes as prescribed by the institute and possess I-Card compulsory during training.
- Mobile Phones, Pen Drives, CD any other related items are not permitted inside CTTC premises.
- Regular attendance will have to be maintained by the trainee as per course schedule & 80% attendance is compulsory in all subjects individually.

- Trainees will abide by the examination rules and regulations displayed on Notice Board of CTTC and as amended.
- Leave without information/ permission will not be entertained.
- Trainees going on leave or home during vacation should inform course coordinator compulsorily.
- No trainee shall be organize/ conduct any meeting within the campus.
- The Machines/ Equipment/ Furniture must be handled carefully. No act of damage to CTTC property shall be carried out by the trainee, any loss or damage to property, including water & electricity usage.
- Smoking & chewing tobacco, possessing or drinking alcoholic beverages in any form is strictly prohibited within CTTC premises.
- Ragging is strictly prohibited in the premises.
- Writing any Comment/ Remarks/ Name on doors, walls, toilet, and notice board is strictly prohibited.
- Violation of above & any other Rules, Regulations, Disciplines and Conduct are liable for disciplinary action.