



MSME TECHNOLOGY CENTRE INDO GERMAN TOOL ROOM, AURANGABAD



(A Government of India Society, Ministry of MSME)

AN ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018, ISO 50001:2018
CERTIFIED TOOL ROOM & TRAINING CENTRE

TRAINING CALENDER 2023-24



- TOOL DESIGN
- CAD / CAM / CAE
- SOLAR TECHNOLOGY
- TOOL MANUFACTURING
- 3D PRINTING / SCANNING
- CIVIL / ARCHITECTURAL DESIGN
- LASER CALIBRATION OF MACHINES
- COMPUTER HARDWARE / NETWORKING

- AUTOTRONICS
- QUALITY ASSURANCE
- PRECISION MACHINING
- WELDING TECHNOLOGY
- MECHATRONICS / ROBOTICS
- CNC PROGRAMMING MACHINING
- ELECTRICAL / ELECTRONICS GADGETS
- LCA - PRODUCT / PROCESS AUTOMATION

Indo German Tool Room (IGTR) Aurangabad (A Govt. of India Society, Under Ministry of MSME) an ISO 9001:2008, ISO 29990:2010, ISO 14001:2004, BS OHSAS 18001:2007, ISO/IEC 17025:2005 CERTIFIED Training & Production Centre established in the year 1990 is aimed at promoting purposeful technical education for the youth in India.

The modernization of Indo German Tool Room Aurangabad (IGTR) under Ministry of MSME's Technology Centre System Programme (TCSP) at Aurangabad is going to strengthen its role in TC enhancing the competitiveness of MSME units in the region. The project is undertaken to upgrade & enhance its resources particularly in Automotive sector, but will also enable the TC to extend its services to other industry also more effectively. The organization implements its Program of technical training through its Training Centre located at Aurangabad and Extension Centres at Pune, Nagpur & Mumbai.

MoU has been signed with Dr. Babasaheb Ambedkar Marathawada University (BAMU) Aurangabad for jointly conducting Post Graduate Programmes in the area of M.Tech, M.Voc. & also MOU has been signed between The Welding Institute (TWI), UK for setting up Advance Welding Lab including Laser, Seam, Spot Welding etc. & developing & conducting Advance Welding Courses.

IGTR has ultramodern, state-of-the-art Tool Room facilities under single roof. It is a Dream Tool Room for any Tool Maker. The wide spectrum of sophisticated machines include latest & advance CNC Lathe, Milling, EDM & Wire-Cut, 3D Printing (Metal), 3D Printing (Plastics), 3D Scanner, CNC Jig Grinding, CNC Turn Mill, 5 Axis CNC Mill Turn, High Precision 5 - Axis Machining center, which can cater to various requirements of the customers.

IGTR strongly believes in TQM Philosophy. This belief is evident in the procedures adopted for ensuring quality before and after manufacture. High precision equipment like CNC Co-ordinate Measuring Machine, Electronic Height Master, Profile Projector and Tool Maker's Microscope ensure thorough checking of the components. A full-fledged standards room and NABL Accredited calibration Lab Offers Precision measuring/Inspection of job and Calibration of Measuring instrument services as per standards requirements. In addition, trials of the tools are undertaken on the Mechanical Press and Injection Moulding Machines.

Equipped with state-of-the-art machinery & training facilities, the various activities are :

ACTIVITIES

TOOL DESIGN & MANUFACTURING

- Design and manufacture of precision dies and tools, moulds, Jigs & fixtures, gauges etc. and their appropriate use and maintenance.
- Tool manufacturing using latest technology
- Tool related innovations for improved product design.
- Precision machining and Heat Treatment.
- Tool Trials for Press Tools & Injection Moulds.

TRAINING

- Long / Medium / Short Term Courses In Tool & Die Technology, Automation & Welding.
- Specialized Hi-tech Courses For Engineering Graduates, Diploma, ITI & SSC Passouts.
- Skilled Enhancement Courses For Industry Personnel.
- Skill Up-gradation Courses For Trainers From Institutes.
- Custom Designed Training Programs For International Trainees.

CONSULTANCY & OTHERS

- Product & Process Development
- Productivity / Quality improvement
- Training Programme / Course curriculum development for training institutes
- Execution of Turn-key projects.

QUALITY ASSURANCE

- Precision Measurements with CMM
- Inspection of Tools, Dies, Gauges and Sheet Metal/Plastic Components
- Product Developments Using Reverse Engineering

CALIBRATION SERVICES

- Calibration of Measuring Equipments (As Per ISO / IEC 17025:2005 Std.-NABL Accredited Calibration Lab)
 - Vernier Caliper • Micrometer, • Dial Gauges, • Height Gauges, • Depth Gauges
- Laser Calibration of Machines
 - Calibration of linear movements for CNC Machine with renishaw laser calibration machine

PRODUCT DESIGN & DEVELOPMENT

- 3D Printing Plastic
- 3D Printing Metal
- Reverse Engineering
- Model Development with 3D Scanner



Completely equipped with latest CNC & Conventional machines Training Center offers scientifically designed Long, Medium & Short Term Courses in the field of Tool & Die Technology. Scientifically designed curriculum ensure optimum blending of theory and practice using latest pedagogical techniques and teaching Aids by trainers. Training aims at.

- Bridging the gap of trained for 21st Century.
- Giving the vocational direction to youth for development of technical skill.
- Gainful employment in high-tech area.
- Entrepreneurial skill with techno-commercial knowledge.
- Professional ethics, work culture & personality development.
- Awareness towards the Nation, Society & Environment.

TRAINING PROGRAMMES

Wide spectrum career oriented courses being conducted are

LONG TERM COURSES	• Advance Diploma in Tool & Die Making	- ADTDM	SSC Pass Outs
	• Diploma in Mechatronics	- DIM	
	• Certificate Course in Machinist (Tool Room) NSQF Level - 5	- CCMTR	
	• Post Graduate Diploma in Tool Design & CAD / CAM NSQF Level - 8	- PGDTD & CC	B.E. Graduates
	• Post Graduate Diploma in Mechanical Product Design NSQF Level - 8	- PGDMPD	
	• Post Graduate Diploma in Mechatronics NSQF Level - 8	- PGDIM	
	• Post Diploma in Tool Design & CAD / CAM NSQF Level - 6	- PDTD & CC	BE / Diploma Graduates
	• Post Diploma in Tool & Die Manufacturing NSQF Level - 6	- PDTDM	
	• Post Diploma In Computer Aided Engineering NSQF Level - 6	- PDCAE	
	• Post Diploma in Product Design NSQF Level - 6	- PDPD	
	• Post Diploma in CNC Machine Maintenance NSQF Level - 6	- PDCNCMM	
	• Post Diploma in Mechatronics NSQF Level - 6	- PDIM	
	• Post Diploma in VLSI & Embedded Systems	- PDVLSI	
	• Post Diploma in Industrial Automation/Robotics NSQF Level - 6	- PDIA/R	
	• Advance Certificate Course in Tool Design & CAD / CAM NSQF Level - 5	- ACCTD & CC	ITI Pass Outs
	• Advance Certificate Course in Tool & Die Manufacturing NSQF Level - 5	- ACCTDM	
	• Advance Certificate Course in CNC Machining NSQF Level - 5	- ACCCM	
	• Advance Certificate Course in Machine Maintenance NSQF Level - 5	- ACCMM	
	• Advance Certificate Course in Welding Technology NSQF Level - 5	- ACCWT	
	• Certificate Course in CNC Turning & Milling NSQF Level - 4	- CCCTM	SSC Pass/Droupout
	• Certificate Course in Tool & Die Making NSQF Level - 4	- CCTDM	
	• Certificate Course in Machine Tool & Welding Operations	- CCMT&WO	
	• Certificate Course in Machine Maintenance & Welding Operations	- CCMM&WO	
	• Certificate Course in CNC Machine Operation - Wire Cut & EDM	- CCMO(W&E)	SSC Passouts
	• Certificate Course in CNC Machine Operations - Lathe NSQF Level - 4	- CCCMO(L)	
	• Certificate Course in CNC Machine Operations - Milling NSQF Level - 4	- CCCMO(M)	
	• Adv. Diploma in Comp.Hardware And Networking Manag.NSQF Level-5	- ADCHNM	- Any Graduates
	• CISCO Certified Network Associate NSQF Level-6	- CCNA	
MEDIUM TERM COURSES	• Advance Certificate Course in Inspection & Quality Control NSQF Level - 5	- ACCIQC	12th Passouts/BSc.Graduates/ ITI
	• Master Certificate Course in Automation & Process Control NSQF Level - 7	- MCCAPC	BE
	• Master Certificate Course in Computer Aided Tool Engineering NSQF Level - 6	- MCCATE	Full Time BE / Diploma / ITI
	• Master Certificate Course in CAD/CAM NSQF Level - 6	- MCCC	
	• Master Certificate Course in Tool Design NSQF Level - 6	- MCCTD	
	• Master Certificate Course in Welding Operations	- MCCWO	
	• Master Certificate Course in CNC Technology NSQF Level - 6	- MCCCT	
	• Master Certificate Course in Mechatronics NSQF Level - 6	- MCCM	
	• Master Certificate Course in Product Design NSQF Level - 6	- MCCPD	
	• Advance Diploma in Structural Design & Analysis NSQF Level - 6	- ADSDA	Part Time BE / Diploma / ITI
	• Advance Diploma in Machine Maintenance & Auotmaton NSQF Level - 6	- ADMMA	
	• Advance Diploma in Computer Hardware & Network Management NSQF Level-6	-ADCHNM	
	• Certificate Course in Mechatronics	- CCM	
	• Certificate Course in VLSI & Embedded System Design	- CCVESD	
	• Certificate Course in CAD/CAM	- CCCC	
	• Certificate Course in Tool Design	- CCTD	
	• Certificate Course in Tool Design & CAD/CAM	- CCTDCC	
	• Certificate Course in Product Design	- CCPD	



SHORT TERM COURSES Skill Development Programmes in the field of CAD/CAM/CAE, Automation, General Engineering Welding for Diploma/Engineering Graduates, Professionals, Professionals of Micro, Small & Medium Enterprises

INTERNATIONAL PROGRAMMES Specific Custom Designed Training Programmes of 12 Weeks to 1 Year duration in the area of Tool Design, CAD/CAM, CNC Machining, LCA, Trainer's Training as per International customers requirement.

ENTREPRENEURSHIP SKILL DEVELOPMENT PROGRAMMES SPONSORED BY MINISTRY OF MSME (Govt. of India)

Career Oriented Courses for SSC Passouts. (Subject to Entrance Exam)

A 1. Advance Diploma in Tool & Die Making (ADTDM)

Objectives : To Design & Manufacture intricate tools like Press Tools, Plastic Moulds, Jigs Fixtures & Gauges etc. with exposure to 60 modern Die Design & Manufacturing Technology Independently.

Duration : 04 years **Intake** : 60 **Course Fee** : Rs.1,92,000/-

Eligibility : 10th Std. with 60% marks in aggregate (50% for reserved category candidates)

Age : 15-19 years as on 1st August (3 years relaxation for SC / ST candidates)

A 2. Diploma in Mechatronics(DIM)

Objectives : To Provide knowledge of mechatronics system controls & skill to operate a wide variety of mechatronics equipment & controls.

Duration : 03 years **Intake** : 60 **Course Fee** : Rs.1,44,000/-

Eligibility : 10th Std. with 60% marks in aggregate (50% for reserved category candidates)

Age : 15-19 years as on 1st August (3 years relaxation for SC / ST candidates)

A 3. Certificate Course in Machinist (Tool Room) (CCMTR) NSQF LEVEL- 5

Objectives : To produce different parts of Press Tools, Plastic Moulds, Jigs, Fixtures & Gauges etc. on Conventional Tools independently with exposure to CNC Technology.

Duration : 02 years **Intake** : 20 **Course Fee** : Rs.80,000/-

Eligibility : 10th Std. with 60% marks in aggregate (50% for reserved category candidates)

Age : 15-19 years as on 1st August (3 years relaxation for SC / ST candidates)

Note: New Batch will be started from first Monday of August Every Year



Career Oriented Courses for BE / DIPLOMA

A 4. Post Graduate Diploma in Tool Design & CAD/CAM (PGDTD&CC) NSQF LEVEL- 8

Objectives : To be acquainted with modern Tool Design & CAD/CAM Technology.
To plan and execute the Design & Manufacturing of Press Tools, Plastic Moulds, Die Casting Dies, Jigs & Fixtures, etc. using Computer Aided Design, Computer Aided Manufacturing, CNC Programming & Machining.

Duration : 18 Months **Intake** : 30 **Course Fee** : Rs. 90,000/-

Eligibility : Degree in Engineering (Mech. / Prod. / Automobile) or Equivalent

A 5. Post Graduate Diploma in Mechanical Product Design (PGDMPD) NSQF LEVEL- 8

Objectives : To be acquainted with Mechanical Product Design Techniques.
To plan and execute the Mechanical Product Design using CAD/CAM & Additive Manufacturing.

Duration : 18 Months **Intake** : 30 **Course Fee** : Rs. 90,000/-

Eligibility : Degree in Engineering (Mech. / Prod. / Automobile) or Equivalent

A 6. Post Graduate Diploma in Mechatronics(PGDIM) NSQF LEVEL- 8

Objectives : To be acquainted with Mechatronics system controls.
To plan & Execute the automation solutions using PLC Programming Hydraulics & Pneumatics SCADA .

Duration : 18 Months **Intake** : 30 **Course Fee** : Rs. 90,000/-

Eligibility : Degree in Engineering (Mech. / Elec. / E&TC / Instrumentation) or Equivalent

A 7. Post Diploma in Tool Design & CAD/CAM (PDTD&CC) NSQF LEVEL- 6

Objectives : To be acquainted with modern Tool Design & CAD/CAM Technology.
To plan and execute the Design of Press Tools Jigs & Fixtures, etc. Using Computer Aided Design, with Knowledge of Computer Aided Manufacturing, CNC Programming & Machining

Duration : 12 Months **Intake** : 30 **Course Fee** : Rs. 60,000/-

Eligibility : Diploma in Engineering (Mech. / Prod. / Automobile) or Equivalent

A 8. Post Diploma in Tool & Die Manufacturing (PDTDM) NSQF LEVEL- 6

Objectives : To be acquainted with modern Tool & Die Manufacturing Technology.
To plan and execute the Manufacturing of Tool & Dies using latest Computer Aided Design, Computer Aided Manufacturing, CNC Programming & Machining Practices.

Duration : 12 Months **Intake** : 30 **Course Fee** : Rs. 60,000/-

Eligibility : Diploma in Engineering (Mech. / Prod. / Automobile) or Equivalent

Note: New Batch will be started from First Monday of January, April, July & October of Calendar Year
Institute reserves right to incorporate changes in course content, duration, intake capacity, no. of batches & course fee without prior notice.



Career Oriented Courses for BE / DIPLOMA / ITI

A 9. Post Diploma in Computer Aided Engineering (PDCAE) NSQF LEVEL- 6

- Objectives** : To be acquainted with modern Tool Engineering Technology.
To plan and execute the Manufacturing of Tool & Dies using latest Computer Aided Design, Computer Aided Manufacturing, CNC Programming & Machining Practices.
- Duration** : 12 Months **Intake** : 30 **Course Fee** : Rs. 60,000/-
- Eligibility** : Diploma in Engineering (Mech. / Prod. / Automobile) or Equivalent

A 10. Post Diploma in Product Design (PDPD) NSQF LEVEL- 6

- Objectives** : To be acquainted with Product Design Techniques.
To plan and execute the Product Design using CAD/CAM & Additive Manufacturing.
- Duration** : 12 Months **Intake** : 30 **Course Fee** : Rs. 60,000/-
- Eligibility** : Degree / Diploma in Engineering (Mech. / Prod. / Automobile) or Equivalent

A 11. Post Diploma in CNC Machine Maintenance (PDCNCMM) NSQF LEVEL- 6

- Objectives** : To be acquainted with modern day Machine Maintenance Techniques.
To plan & Execute the Maintenance automation solutions using PLC Programming, SCADA, Hydraulics & Pneumatics & other Mechatronics system controls of the CNC Machine & their Maintenance schedules.
- Duration** : 12 Months **Intake** : 30 **Course Fee** : Rs. 60,000/-
- Eligibility** : Diploma in Engineering (Mech./Elec./E&TC/Instrumentation) or Equivalent

A 12. Post Diploma in Mechatronics(PDIM) NSQF LEVEL- 6

- Objectives** : To be acquainted with Mechatronics system controls.
To plan & Execute the automation solutions using PLC Programming Hydraulics & Pneumatics, SCADA.
- Duration** : 12 Months **Intake** : 30 **Course Fee** : Rs. 60,000/-
- Eligibility** : Diploma in Engineering (Mech./Elec./E&TC/Instrumentation) or Equivalent

A 13. Post Diploma in VLSI & Embedded Systems (PDVLSI)

- Objectives** : To be acquainted with ASIC Design and Verification, Embedded Design system.
To plan & Design solutions for small size, high speed, high performance computational applications using VLSI & Embedded circuits.
- Duration** : 12 Months **Intake** : 30 **Course Fee** : Rs. 60,000/-
- Eligibility** : Degree / Diploma in Engineering (Mech. / Elec. / E&TC / Instrumentation) or Equivalent

A 14. Post Diploma in Industrial Automation/Robotics(PDIA/R) NSQF LEVEL- 6

- Objectives** : To be acquainted with modern day Industrial Automation Techniques.
To plan & execute the Industrial Automation & Robotics application using Mechatronics System control.
- Duration** : 12 Months **Intake** : 30 **Course Fee** : Rs. 60,000/-
- Eligibility** : Diploma in Engineering (Mech./Elec./ETC/Instrumentation) or Equivalent

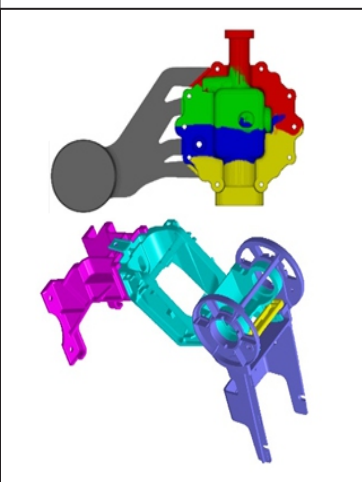
A 15. Advance Certificate Course in Tool Design & CAD/CAM (ACCTD&CC) NSQF LEVEL- 5

- Objectives** : To be acquainted with modern Tool Design & CAD/CAM Technology.
To plan and execute the Design of Press Tools Jigs & Fixtures, etc. Using Computer Aided Design, Computer Aided Manufacturing, CNC Programming & Machining.
- Duration** : 12 Months **Intake** : 30 **Course Fee** : Rs. 50,000/-
- Eligibility** : I.T.I. (Machinist / Turner / Bench Fitter / Tool & Die Maker / Draftsman Mech.)

A 16. Advance Certificate Course in Tool & Die Manufacturing (ACCTDM) NSQF LEVEL- 5

- Objectives** : To be acquainted with modern Tool & Die Manufacturing Technology.
To plan and execute the Manufacturing of Tool & Dies using latest Computer Aided Design, Computer Aided Manufacturing, CNC Programming & Machining Practices.
- Duration** : 12 Month **Intake** : 30 **Course Fee** : Rs. 50,000/-
- Eligibility** : I.T.I. (Machinist / Turner / Bench Fitter / Tool & Die Maker)

Note: New Batch will be started from First Monday of January, April, July & October of Calendar Year
Institute reserves right to incorporate changes in course content, duration, intake capacity, no. of batches & course fee without prior notice.



Career Oriented Courses for ITI / SSC Passouts / SSC Appeared

A 16. Advance Certificate Course in CNC Machining (ACCCM) NSQF LEVEL- 5

- Objectives** : To be acquainted with CNC Machining Techniques using Latest CNC Machining Technology.
To Program & Handle CNC Machines (Lathe, Milling, Wire-cut & EDM) - live Projects.
- Duration** : 12 Months **Intake** : 30 **Course Fee** : Rs. 50,000/-
- Eligibility** : I.T.I. (Machinist / Turner / Bench Fitter / Tool & Die Maker / Grinder)

A 17. Advance Certificate Course in Machine Maintenance (ACMM) NSQF LEVEL- 5

- Objectives** : To be acquainted with CNC Machine Maintenance (Mechanical, Electrical, Electronics) with live projects on CNC Machine & Conventional Maintenance.
- Duration** : 12 Months **Intake** : 30 **Course Fee** : Rs. 50,000/-
- Eligibility** : I.T.I. (Machinist / Turner / Electrician / Tool & Die Maker / Electronics / MMTM / MMTR)



A 18. Advance Certificate Course in Welding Technology (ACCWT) NSQF LEVEL- 5

- Objectives** : To be acquainted with Advance Welding techniques with live projects on Arc Welding, Gas Welding, MIG / MAG Welding, TIG Welding.
- Duration** : 12 Months **Intake** : 30 **Course Fee** : Rs. 50,000/-
- Eligibility** : I.T.I.(Turner / Fitter / Machinist / Welder)

A 19. Certificate Course in CNC Turning & Milling (CCCTM) NSQF LEVEL- 4

- Objectives** : To be acquainted with Manufacturing Elements of Press Tools, Plastic Moulds, Jigs, Fixtures & Gauges, Die Casting Dies, etc. Using CNC Technology.
- Duration** : 12 Months **Intake** : 30 **Course Fee** : Rs. 40,000/-
- Eligibility** : 10th Pass.

A 20. Certificate Course in Tool & Die Making (CCTDM) NSQF LEVEL- 4

- Objectives** : To be acquainted with Manufacturing Elements of Press Tools, Plastic Moulds, Jigs, Fixtures & Gauges, Die Casting Dies, etc., on conventional machines independently with exposure to CNC Technology.
- Duration** : 12 Months **Intake** : 30 **Course Fee** : Rs. 40,000/-
- Eligibility** : 10th Pass.



A 21. Certificate Course in Machine Tool Operations & Welding Operations (CCMT&WO)

- Objectives** : To be acquainted with Conventional Machine Operations & Basic Welding Operations like Gas Welding & Arc Welding.
- Duration** : 12 Months **Intake** : 30 **Course Fee** : Rs. 35,000/-
- Eligibility** : 10th Appeared

A 22. Certificate Course in Machine Maintenance & Welding Operations (CCMM&WO)

- Objectives** : To be acquainted with Conventional Machine Maintenance (Mechanical) & Basic Welding Operations like Gas Welding & Arc Welding.
- Duration** : 12 Months **Intake** : 30 **Course Fee** : Rs. 35,000/-
- Eligibility** : 10th Appeared



Note : New Batch will be started from First Monday of February, May, August & November of Calendar Year
Institute reserves right to incorporate changes in course content, duration, intake capacity, no. of batches & course fee without prior notice.

SKILL DEVELOPMENT PROGRAMMES

B.1 : For DEGREE

B.1 a Master Certificate Course in Automation & Process Control NSQF LEVEL- 7

- Electrical Hardware Logic Control, Electrical Machines
- Sensor & Transducer, E-CAD
- Pneumatics & Hydraulics System
- Programmable Logic Controller
- SCADA & HMI, TIA- Portal
- Embedded Systems, Robotics
- Machine Maintenance
- Communication Skill, Project Work

Duration : 24 weeks (8 hrs / day)

Course Fees : Rs. 35,000/-

B.2 : For DEGREE / DIPLOMA

B.2 a Master Certificate Course in Computer Aided Tool Engineering NSQF LEVEL- 6

- Computer Aided Design (Auto CAD & Solidworks)
- Computer Aided Design & Manufacturing (Unigraphics CAD & Unigraphics CAM)
- Advance Computer Aided Design (CREO)
- Computer Aided Engineering (Ansys & Hypermesh)
- Design of Press Tools, Design of Moulds
- Entrepreneurship, Course - Work : Project

Duration : 24 Weeks (8 hrs / day)

Course Fees : Rs. 35,000/-

B.2 b Master Certificate Course in CAD/CAM NSQF LEVEL- 6

- Computer Aided Design (Auto CAD & Solidworks)
- Computer Aided Design & Manufacturing (Unigraphics CAD & Unigraphics CAM)
- Advance Computer Aided Design (CREO & CATIA)
- CNC Programming & CNC Machining
- Computer Aided Engineering (Ansys)
- Entrepreneurship, Course - Work : Project

Duration : 24 Weeks (8 hrs / day)

Course Fees : Rs. 35,000/-



B.2 c Master Certificate Course in Tool Design NSQF LEVEL- 6

- Computer Aided Design (Auto CAD & Solidworks)
- Computer Aided Design & Manufacturing (Unigraphics CAD & Unigraphics CAM)
- Design of jigs & Fixtures, Press Tools, Moulds
- Design of Die Casting Dies
- Entrepreneurship, Course - Work : Project

Duration : 24 weeks (8 hrs / day)

Course Fees : Rs. 35,000/-

B.2 d Master Certificate Course in Welding Operation

- Advance Welding Technology
- Arc Welding , Gas Welding
- MIG / MAG Welding, TIG Welding
- Entrepreneurship, Course - Work : Project

Duration : 24 weeks (8 hrs / day)

Course Fees : Rs. 35,000/-

B.2 e Master Certificate Course In CNC Technology NSQF LEVEL- 6

- CNC Machining (Lathe & Milling)
- CNC Programing (Lathe & Milling - Fanuc series)
- Advance CAM (Master CAM & UG CAM)
- Del CAM
- Business Communication, Course - Work : Project

Duration : 24 weeks (8 hrs / day)

Course Fees : Rs. 35,000/-

B.2 f Master Certificate Course in Mechatronics NSQF LEVEL- 6

- Industrial Pneumatics & Hydraulics
- SCADA, PLC Programing
- E-CAD, Sensors & Actuators
- Mechatronics Technology & kits
- Entrepreneurship, Course - Work : Project

Duration : 24 weeks (8 hrs / day)

Course Fees : Rs. 35,000/-

B.2 g Master Certificate in Product Design NSQF LEVEL- 6

- Computer Aided Design (Auto CAD & Solidworks)
- Computer Aided Manufacturing (DELCAM)
- Advance CAD (CREO Parametric)
- Rapid Prototyping(Additive Manufacturing)
- Fundamental of Tool & Dies
- 3D Scanning & 3D Printing
- Entrepreneurship, Course - Work : Project

Duration : 24 weeks (8 hrs / day)

Course Fees : Rs. 35,000/-

B.2 h Advance Diploma in Structural Design & Analysis NSQF LEVEL- 6

- Auto CAD (Civil), Engineering Drawing
- Revit Architecture, Staad Pro
- 3Ds Max , Total Station
- SOM, Estimating & Costing
- Adobe Photoshop, Auto Level, MS Office
- Soft Skill, Project Work

Duration : 24 weeks (8 hrs / day)

Course Fees : Rs. 35,000/-

B.2 i Advance Diploma in Machine Maintenance & Automation NSQF LEVEL- 6

- Electrical Hardware Control, Electrical Machines
- Pneumatics & Hydraulics
- Machine Maintenance, PLC, SCADA & HMI,
- Electrical CAD
- Communication Skill, Project Work

Duration : 24 weeks (8 hrs / day)

Course Fees : Rs. 35,000/-

Note : New batches will be started from First Monday of every month
Institute reserves right to incorporate changes in course content, duration, intake capacity,
no. of batches & course fee without prior notice.



B.3 : For BE / DIPLOMA / ITI (Part Time Courses for Industrial Professionals only)

B.3 a Certificate Course in Mechatronics

- Applied Pneumatics
- Applied Hydraulics
- PLC Programing
- Mechatronics Technology
- Project Work

Duration : 24 Weeks (4 hrs / day)

Course Fees : Rs. 25,000/-

B.3 b Certificate Course in VLSI And Embedded System Design

- Dsch, CMOS Design, Layout Design(μ wind 3)
- VHDL, XILINX, VERILOG, PLD(FPGA & CPLD)
- Embedded System, 'C' language, 8051
- PIC & ARM7(LPC 2148) Microcontroller
- Project Work

Duration : 24 Weeks (4 hrs / day)

Course Fees :Rs. 25,000/-

B.3 c Certificate Course in Tool Design & CAD/CAM

- Auto CAD, Master CAM,
- Catia(CAD), UG (CAD/CAM)
- Design of Jigs and Fixtures,
- Press Tools, Moulds, Die Casting Dies
- CNC Programming
- Project Work

Duration : 48 weeks (4 hrs / day)

Course Fees : Rs. 25,000/-

B.3 d Certificate Course in 3D Printing & Reverse Engineering

- Auto CAD
- Solid Works
- 3D Printing
- 3D Scanning
- Project Work

Duration : 24 weeks (4 hrs / day)

Course Fees : Rs. 25,000/-

B.3 e Certificate Course in Tool Design

- Auto CAD
- Design of Jigs and Fixtures
- Design of Press Tools
- Design of Moulds
- Design of Die Casting Dies
- Project Work

Duration : 24 weeks (4 hrs / day)

Course Fees : Rs. 25,000/-

B.3 f Certificate Course in CAD/CAM

- Auto CAD, Catia(CAD)
- Master CAM(CAD/CAM)
- UG(CAD/CAM)
- CNC Programming
- Project Work

Duration : 24 weeks (4 hrs / day)

Course Fees : Rs. 25,000/-

B.3 g Certificate Course in Autotronics

- Automotive Electrical & Starting System
- Fuel System & Engine Control
- Structural Part
- Safety & Associated Systems

Duration : 24 weeks (4 hrs / day)

Course Fees : Rs. 25,000/-

B.4 : For Any Graduates

B.4 a Adv. Diploma In Comp. Hardware And Network Management (ADCHNM) - NSQF LEVEL 6

- Power Supply, PC Architecture
- Software Installation, Upgradation & Maintenance
- Network Essential, Setup & Management
- Network Management & Server Configuration
- LINUX Management & Network Configuration
- Basic Electronics, Office Package, Communication Skill

Duration : 780 Hrs. (24 weeks, 6 hrs / day)

Course Fees : Rs. 20,000/-

B.4 b CISCO Certified Network Associate (CCNA) - NSQF LEVEL 6

- Introduction to Wide Area Network
- Inter Network Operating System
- IP Routing (Static & Dynamic),
- LAN Switching,
- IPV4, IPV6,
- STP, PVSTP & RSTP,

Duration : 520 Hrs. (18 weeks, 5 hrs / day)

Course Fees : Rs. 16,000/-

B.5 : For 12th Passout / B.Sc. Graduates / ITI (Appeared)

B.5 a Advance Certificate Course in Inspection & Quality Assurance - NSQF LEVEL 5

- Engineering Drawing, Engineering Metrology
- CAD (Auto CAD & Unigraphics NX), Workshop Calculation
- Total Quality Management, Inspection (CMM), Project

Duration : 24 Weeks (8 hrs / day)

Course Fees : Rs. 25,000/-

B.6 : For SSC Passouts

B.6 a Certificate Course in Mach. Oper. - WIRE CUT & EDM

- W/S Tech., Blue Print Reading
- Engg. Metrology.
- W/S Pract. (Lathe & Milling)
- CNC Prog./ Macg. (Wire Cut & EDM)
- Live Projects - CNC Macg.

Duration : 24 Weeks (8 hrs / day)

Course Fees : Rs. 20,000/-

B.6 b Certificate Course in CNC Mach. Oper. - LATHE NSQF LEVEL-4

- W/S Tech., Blue Print Reading
- Engg. Metrology
- CNC Prog. / Mcng. (Lathe)
- Live Projects - CNC Machining

Duration : 24 Weeks (8 hrs / day)

Course Fees : Rs. 20,000/-

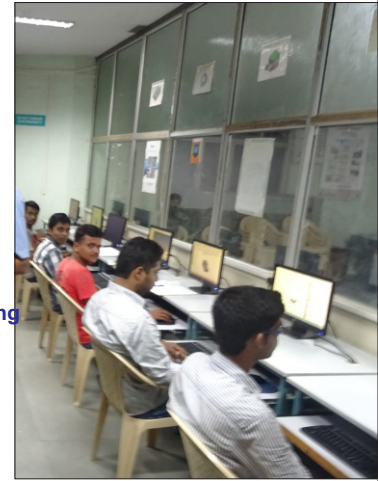
B.6 c Certificate Course in Mach. Oper. - MILLING LEVEL-4

- W/S Tech., Blue Print Reading
- Engg. Metrology, W/S Practice (Milling)
- CNC Prog./Mcng. (Miling)
- Live Projects - CNC Machining

Duration : 24 Weeks (8 hrs / day)

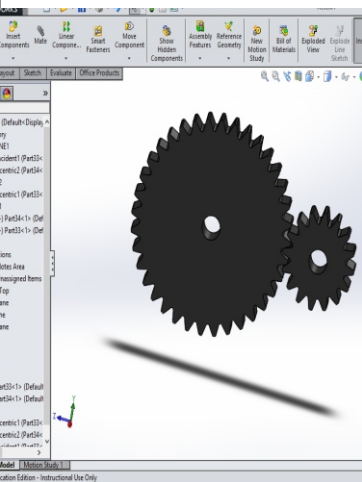
Course Fees : Rs. 20,000/-

Note : New batches will be started from First Monday of every month
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For Students / Institutes Professionals & Industrial Professionals

C.1 CAD / CAM / CAE (Mechanical / Production / Automobile Engineering or Equivalent)



C.1 a Auto CAD (Mech)

- Creating Objects
- Editing Objects
- Layers, Colours & Line Types
- Dimensioning & Tolerancing
- Blocks, Attributes & X - REF
- Layout, Plotting & Printing
- 3D Modeling

Duration : 96 Hrs (4 weeks, 4 hrs / day)

Course Fees : Rs. 4,500/-

C.1 b Collab CAD

- Sketcher
- Part Design
- Surfacing
- Drafting
- Assembly
- 3D Modelling
- CAM Machining

Duration : 72 Hrs (3 weeks, 4 hrs / day)

Course Fees : Rs. 4,500/-

C.1 c Solidworks (CAD)

- Sketcher
- Part Design
- Surfacing
- Drafting
- Assembly
- Simulation

Duration : 96 Hrs (4 weeks, 4 hrs / day)

Course Fees : Rs. 5,500/-

C.1 d Catia (CAD)

- Introduction to CATIA
- Sketcher Workbench
- Part Design Workbench
- Wire Frame & Surface Design
- Assembly Design Workbench
- Generative & Interactive Drafting

Duration : 96 Hrs (4 weeks, 4 hrs / day)

Course Fees : Rs. 8,000/-

C.1e Creo Parametric (CAD)

- Introduction to CREO PARAMETRIC
- Fundamentals of CREO PARAMETRIC
- Sketcher
- Part Modeling
- Pro Surface
- Assembly Modeling
- Detailing

Duration : 96 Hrs (4 weeks, 4 hrs / day)

Course Fees : Rs. 8,000/-

C.1 f I-Deas (CAD)

- Introduction
- Interface & Coordinate System
- Curves
- Sketcher
- Featured Based Modeling
- Assembly & Details
- Drafting
- Free Form Features

Duration : 96 Hrs (4 weeks, 4 hrs / day)

Course Fees : Rs. 11,000/-

C.1 g Unigraphics (CAD)

- Introduction
- Interface & Coordinate System
- Curves
- Sketcher
- Featured Based Modeling
- Assembly & Details
- Drafting
- Free Form Features

Duration : 96 Hrs (4 weeks, 4 hrs / day)

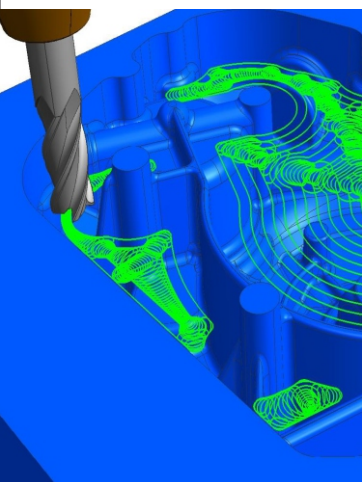
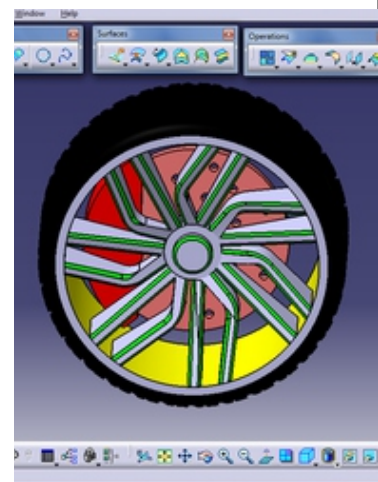
Course Fees : Rs. 11,000/-

C.1 h Unigraphics (CAM)

- Introduction
- Overview of Mfg. Applications
- Point To point Machining
- Planner Turning & Milling
- Cavity Milling
- Prog. Generation & Transfer to M/C

Duration : 96 Hrs (4 weeks, 4 hrs / day)

Course Fees : Rs. 11,000/-



C.1i Master CAM (CAD / CAM)

- 2D Drafting
- Wire Frame Modeling
- Surface Modeling
- Tool Path Generation
- Transfer to Machine
- Post Processing

Duration : 96 Hrs (4 weeks, 4hrs / day)

Course Fees : Rs. 5,500/-

C.1 j Cimatron (CAD)

- Sketcher
- Navigation, Datum, Analyze and file management.
- Part (Curves, Faces and Solid) Design
- Assembly Design
- Catalogs
- Drafting (Part and Assembly)

Duration : .72 Hrs (3 weeks, 4hrs / day)

Course Fees : Rs. 8,000/-

C.1k Delcam (CAD / CAM)

- 2D Drafting
- Wire Frame Modeling
- Surface Modeling
- Tool Path Generation
- Transfer To Machine / Post Processing

Duration : 96 Hrs. (4 weeks, 4 hrs / day)

Course Fees : Rs. 5,500/-

C.1 l Delcam - 5 Axis Machining

- 2D Drafting
- Wire Frame Modeling
- Surface Modeling
- Tool Path Generation (5 Axis Machining)
- Transfer To Machine / Post Processing

Duration : 96 Hrs. (4 weeks, 4 hrs / day)

Course Fees : Rs. 9,000/-

Note : New batches will be started from First & Third Monday of every month
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C.1 m Delcam Art CAM

- Introduction to Art CAM
- Art CAM Pro Design
- 2D Vector Design
- 3D Design
- Profile Generation
- Machining

Duration : 72 Hrs (3 weeks, 4hrs / day)
Course Fees : Rs. 8,000/-

C.1 n Solid Edge

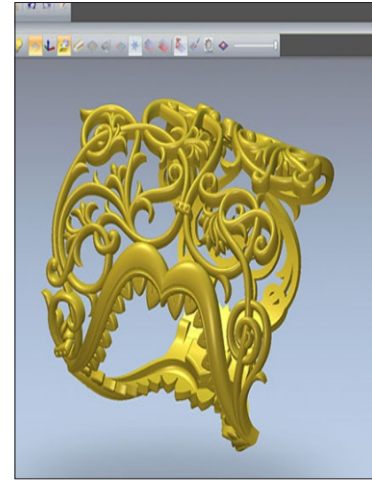
- Introduction to Solid Edge
- Sketcher
- Part Design
- Surfacing
- Drafting
- Assembly

Duration : 72 Hrs (3 weeks, 4hrs / day)
Course Fees : Rs. 5,500/-

C.1 o Ansys

- Introduction to FEA
- Ansys Basics
- Different types of Interfaces
- Structural Analysis
- Thermal Analysis
- Model Analysis

Duration : 96 Hrs (4 weeks, 4hrs / day)
Course Fees : Rs. 9,000/-



C.1 q Ansys (CFD)

- Introduction to CFD, CFX & FLUENT, Design Modeler, Meshing, Turbulent Models,
- Boundary Condition Specifications
- Solver Solution Methods & Hydrodynamic, Aerodynamic, Heat Transfer / Thermal Analysis
- Int. & Ext. Flows, Post-Processing / Results

Duration : 72 Hrs (3 weeks, 4hrs / day)
Course Fees : Rs. 11,000/-

C.1 r Hypermesh (CAE)

- Introduction to FEA, Hypermesh
- Geometry Creation
- 2D Meshing, 3D Meshing
- Mesh Analysis
- Optistruct
- Introduction to Hyperform / Hyper - View

Duration : 96 Hrs (4 weeks, 4hrs / day)
Course Fees : Rs. 9,000/-

C.1 s Moldex - 3D (CAE)

- Introduction & History of CAE
- Import cavity
- Building runner system model
- Meshing feed system
- Creating Molding Process & Analysis
- Flow Pack, Warp, Cooling Results

Duration : 72 Hrs (3 weeks, 4hrs / day)
Course Fees : Rs. 8,000/-

C.1 t Hyperform (CAE)

- Introduction to FEA, Hypermesh
- Geometry Creation
- One Step Analysis
- Incremental
- Visualization by Hyperview
- Solving through Radioss Solver

Duration : 72 Hrs (3 weeks, 4hrs / day)
Course Fees : Rs. 9,000/-

C.1 u Product Design

- Fundamentals of Design, Sketching & Optimizing
- Preparing CAD Geometry, Minimizing Mass
- Running a Baseline Analysis, Simplifying Geometry
- Additive Manufacturing Technology
- Fundamentals of Additive Mfg. & Application

Duration : 72 Hrs (3 weeks, 4hrs / day)
Course Fees : Rs. 10,000/-

C.1 v Product Design Validation

- Fundamentals of Design Validation
- Theory of Machines and Mechanisms
- Finite Element Analysis - Mesh Generation
- Linear Static and Heat Transfer Analysis
- Dynamic, Nonlinear Analysis
- Structural Optimization

Duration : 72 Hrs (3 weeks, 4hrs / day)
Course Fees : Rs. 10,000/-

C.1 w Flow And Thermal Analysis Using Hyperworks

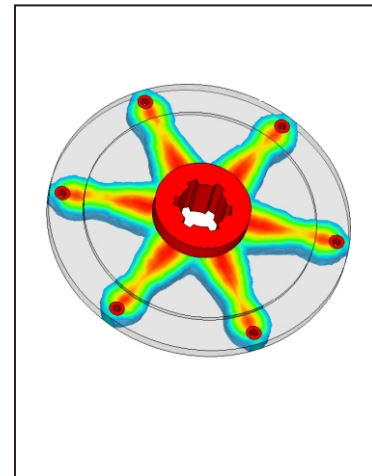
- Fundamentals of Fluid Mechanics
- Introduction to Heat Transfer
- Types of Flows
- Introduction to Computational fluid Dynamics
- Pipe Flow, Conjugate Heat Transfer, workshops

Duration : 72 Hrs (3 weeks, 4hrs / day)
Course Fees : Rs. 10,000/-

C.1 x Tooling Simulation Using Hyperworks

- Fundamentals of Manufacturing
- Sheet metal Forming Simulation
- Extrusion Process Simulation
- Modelling Dies with Symmetry Planes
- Tool Deflection
- Tool Deflection Analysis, Shape Optimization

Duration : 72 Hrs (3 weeks, 4hrs / day)
Course Fees : Rs. 10,000/-



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C.2. CAD/CAE (Civil Engineering / Architectural Engineering)

C.2 a Auto CAD (Civil)

- Creating Objects
 - Editing Objects
 - Layers, Colours & Line Types
 - Dimensioning & Tolerancing
 - Blocks, Attributes & X - REF
 - Layout, Plotting & Priting
 - Working in 3D Space
- Duration : 96 Hrs (4 weeks, 4 hrs / day)**
Course Fees : Rs. 4,500/-

C.2 c Revit Architecture

- Revit Auto Desk Architecture
 - Getting Started Principles And Concepts
 - Working With Project And Elements
 - Working With Projects Views And Work Planes
 - Working With Basic Building Components
 - Working With Site Design
 - Working With Construction Documents
- Duration : 96 Hrs (4 weeks, 4 hrs / day)**
Course Fees : Rs. 9,000/-

C.2 b Staad Pro

- Introduction To Staad Pro
 - Analysis of Rc Structure & Power Transmission Tower
 - Application of Loading Condition
 - Method For Designing Shear Wall
 - Design of Slab
- Duration : 96 Hrs (4 weeks, 4 hrs / day)**
Course Fees : Rs. 9,000/-

C.2 d 3DS Max

- Introduction of 3ds Max
 - Getting Started (principle & Concept)
 - Creating objects of Layer And Walls
 - Working With Primitives Modifiers & Reactors In 3ds Max
 - Modeling In 3ds Max
 - Basics of Lights And Materials And Camera
 - Animation of 3ds Max, Exploring Rendering
 - Creating Surface Model
- Duration : 96 Hrs (4 weeks, 4 hrs / day)**
Course Fees : Rs. 9,000/-

C.2 e Civil Survey Using Total Station

- Introduction
 - Station Setup
 - Stake Out
 - Program
 - Data Downloading
- Duration : 72 Hrs (3 weeks, 4 hrs / day)**
Course Fees : Rs. 7,000/-

C.3 CNC Programming / CNC Machining (Mechanical / Production / Automobile Engineering or Equivalent)

C.3 a CNC Programming - Lathe (ISO / FANUC / SINUMERIK)

- Introduction to CNC Tech.
 - Geo. Basics for CNC M/c
 - Tech. I Basics for CNC M/c
 - CNC Programming
- Duration : 96 Hrs (4 weeks, 4 hrs / day)**
Course Fees : Rs. 6,500/-

C.3 b CNC Programming - Milling (ISO / FANUC / SINUMERIK / HADENHEIN)

- Introduction to CNC Tech.
 - Geo. Basics for CNC M/c
 - Tech. Basics for CNC M/c
 - CNC Programming
- Duration : 96 Hrs (4 weeks, 4 hrs / day)**
Course Fees : Rs. 6,500/-

C.3 c CNC Machining - Lathe

- Preparation of Part Geometry
 - Preparing & Setting for Operation
 - Setup of Zero Pt. Displacement
 - Tool Offset Values
 - Optimizing Tool Path
 - Execution of Part Program
- Duration : 96 Hrs (4 weeks, 4 hrs / day)**
Course Fees : Rs. 8,000/-

C.3 d CNC Machining - Milling

- Programming for CNC Milling
 - Preparing & Setting for Operation
 - Setup of Tools
 - Radial & Axial Offset Values
 - Test Run Simulation
 - Execution of the Part Program
- Duration : 96 Hrs (4 weeks, 4 hrs / day)**
Course Fees : Rs. 8,000/-

C.3 e CNC Machining - Wire-cut

- Programming of the Part Program
 - Preparation Tech. for Operation
 - Setting up of WEDM Machine
 - Simulation with Dry Run
 - Execution of the part program
- Duration : 72 Hrs. (3 weeks, 4 hrs / day)**
Course Fees : Rs. 8,000/-

C.3 f CNC Machining - EDM

- Prog. of the Part Program
 - Preparation Tech. for Operation
 - Setting up of EDM Machine
 - Simulation with Dry Run
 - Execution of the part program
- Duration : 72 Hrs. (3 weeks, 4 hrs / day)**
Course Fees : Rs. 8,000/-

Note : New batches will be started from First & Third Monday of every month
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C.4 TOOL DESIGN (Mechanical / Production / Automobile Engineering or Equivalent)

C.4 a Press Tool Design using Cimatron

- Blank Dev. Simple to complex parts
- Transfer and Progressive Nesting
- Compound Tool Design
- Progressive 3D Tool Design
- Motion Analysis, BOM and Drafting (Part and Assembly)

Duration : 72 Hrs (3 weeks, 4 hrs / day)
Course Fees : Rs. 11,000/-

C.4 c Die Casting Dies using Cimatron

- Cover and Ejector Die design
- Electrode management
- 3D Die Casting Die
- Motion Analysis, BOM & Drafting (Part and Assembly)

Duration : 72 Hrs. (3 weeks, 4 hrs / day)
Course Fees : Rs. 11,000/-

C.4 e Design of Gauges

- Introduction
- Elements & Their Classification
- Gauges & Their Classification
- Tool Design Parameters
- Design of Gauges
- Materials for Gauge Elements

Duration : 48 Hrs (2 weeks, 4 hrs / day)
Course Fees : Rs. 8,000/-

C.4 g Press Tool Design & Simulation using Hyperform

- Introduction to Press Tool
- Elements & their functions
- Press Tool Operation & Classification
- Design Parameters
- Introduction to Hypermesh & Hyperform
- Hyperform Solver
- Simulation using Optristruct

Duration : 72 Hrs (3 weeks, 4 hrs / day)
Course Fees : Rs. 11,000/-

C.4 i Casting with ADSTEFAN

- Introduction to Die Casting Design
- Elements & their functions
- Die Casting Operation & Classification
- Design Parameters
- Minimizing Defects
- Design Improvement
- Cost Reduction

Duration : 72 Hrs (3 weeks, 4 hrs / day)
Course Fees : Rs. 10,000/-

C.4 b Moulds Design using Cimatron

- Core Cavity Extraction
- Inserts management
- Electrode management
- 3D Mould Design
- Motion Analysis, BOM and Drafting (Part & Assembly)

Duration : 72 Hrs (3 weeks, 4 hrs / day)
Course Fees : Rs. 11,000/-

C.4 d Design of Jigs & Fixtures

- Introduction
- Elements & Their Function
- Jigs & Fixtures & Their Classification
- Tool Design Parameters
- Design of Jigs & Fixtures
- Materials For Jigs & Fixtures Elements

Duration : 48 Hrs. (2 weeks, 4hrs / day)
Course Fees : Rs. 8,000/-

C.4 f Design of Cutting Tools

- Introduction
- Tool Geometry
- Metal Cutting Theory
- Design of Cutting Tools
- Materials For Cutting Tools

Duration : 48 Hrs (2 weeks, 4 hrs / day)
Course Fees : Rs. 8,000/-

C.4 h Mould Design & Simulation Using MOLDEX-3D

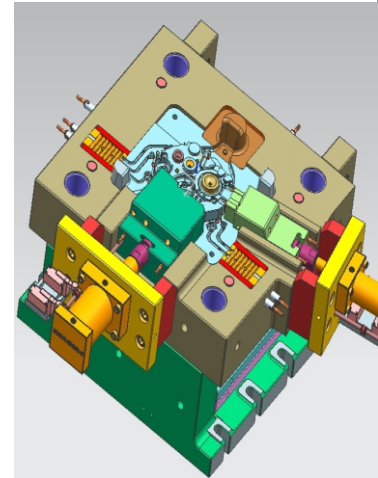
- Introduction & History of CAE
- Import Model
- Building feed system using Adviser
- Building Cooling system
- CFCPW
- Flow pack, Warp, Cooling Results

Duration : .72 Hrs (3 weeks, 4 hrs / day)
Course Fees : Rs. 10,000/-

C.4 j Advance Mould Design & Simulation Using MOLDEX - 3D

- Introduction & History of CAE
- Hot Runner Injection Mould
- MCM-Multi Component Moulding
- Metallic Inserts Moulding
- CFCPW
- Flow pack, Warp, Cooling Results

Duration : .72 Hrs (3 weeks, 4 hrs / day)
Course Fees : Rs. 10,000/-



C.5 GENERAL ENGINEERING (Mechanical / Production / Automobile Engineering or Equivalent)

C.5 a Geometric Dim. & Tolerances

- Introduction to G D & T
- G D & T Symbols & Ind. App.
- Classification.
- Concept of Limits , Fits & Tolerances.
- App. of Limits , Fits & Tolerances.

Duration : 24 Hrs (1 week, 4 hrs / day)
Course Fees : Rs. 4,500/-

C.5 b Metrology

- Introduction to Metrology
- Measurement - Equipment & Technique
- Linear, Angular, Profile
- Advance Measurement
- Practice On Measurement.

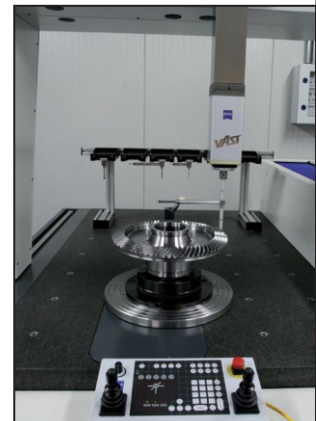
Duration : 24 Hrs (1 week, 4 hrs / day)
Course Fees : Rs. 4,500/-

C.5 c Basic Course in CMM

- Introduction
- Principle of Working
- Application & use

Duration : 24 Hrs (1 week, 4 hrs / day)
Course Fees : Rs. 7,000/-

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C.6 AUTOMATION

(Electrical / Electronics / Instrumentation / Computer / Mechanical or equivalent B.Sc. / M.Sc. Electronics / Computer Science)



C.6 a Basic Pneumatics

- Introduction
- Fundamental Principles
- Energy Supply Elements
- Directional Control Valves
- Circuit Design & Application

Duration : 24 Hrs (1 week, 4 hrs / day)

Course Fees : Rs. 3,500/-

C.6 c Electro Pneumatics

- Introduction
- Fundamental Principles
- Energy Supply Elements
- Directional Control Valves
- Circuit Design & Application

Duration : 24 Hrs (1 week, 4 hrs / day)

Course Fees : Rs. 4,500/-

C.6 e Electrical Cad (e Cad)

- Autocad & Co-ordinate System
- Array, Mirror, Copy, move
- Inserting Components
- Wire & Ladders, Trim, Parent-child Comp.
- Multiple Wire Bus & Edit Component
- Component Alignment, Attributes, Scoot, Move

Duration : 96 Hrs (4 weeks, 4 hrs / day)

Course Fees : Rs. 4,500/-

C.6 g PLC Programming

- Introduction of Ind. Automation
- Details of PLC Hardware (SIEMENS)
- Programming Languages
- Downloading Program
- Interfacing between PLC & Various Field Devices

Duration : 96 Hrs (4 weeks, 4 hrs / day)

Course Fees : Rs. 8,000/-

C6i SCADA

- Introduction of Ind. Automation
- Creating a New SCADA App.
- Details of Process & Internal tags
- Creating a Process control window with all Applications

Duration : 96 Hrs (4 weeks, 4 hrs / day)

Course Fees : Rs. 8,000/-

C.6 k Embedded Systems

- Introduction
- Basics of Digital Electronics
- Basics of 'C' Language
- Test Equipment
- Introduction To ARM7
- LPC 2148 Programming
- Internal Peripherals of LPC 2148
- Live Practice: On Demo Boards

Duration : 96 Hrs (4 weeks, 4 hrs / day)

Course Fees : Rs. 8,000/-

C.6 m E-Plan

- Introduction To Eplan
- Creating Schematic In Eplan
- Cross References
- Selection of Parts
- Macro Concept
- Layout Drawing
- Project Management
- Reports Generation

Duration : 72 Hrs (3 weeks, 4 hrs / day)

Course Fees : Rs. 4,500/-



C.6 b Basic Hydraulics

- Introduction
- Fundamental Principles
- Energy Supply elements
- Directional Control Valves
- Circuit Design & Application

Duration : 24 Hrs (1 week, 4 hrs / day)

Course Fees : Rs. 3,500/-

C.6 d Electro Hydraulics

- Introduction
- Fundamental Principles
- Energy Supply Elements
- Directional Control Valves
- Circuit Design & Application

Duration : 24 Hrs (1 week, 4 hrs / day)

Course Fees : Rs. 4,500/-

C.6 f Advance Pneumatics

- Introduction
- Fundamental Principles
- Energy Supply Elements
- Directional Control Valves
- Fundamentals of Control Engg.
- Circuit Design & Application

Duration : 24 Hrs (1 week, 4 hrs / day)

Course Fees : Rs. 5,500/-

C.6 h Advance PLC

- Introduction of Industrial Automation.
- Details of PLC Hardware (siemens)
- Concept of FB, FC & DB
- Operations With Bit Logic, Jump, Math Functions
- Totally Integrated Automation V13
- Interfacing With Siemens S7-300 And S7-1500

Duration : 96 Hrs (4 weeks, 4 hrs / day)

Course Fees : Rs. 8,000/-

C.6 j VLSI

- Introduction to VLSI
- Implementation of Logic In Mosfet, In Front End Design
- Back End Design, VHDL/VERILOG HDL
- Live Practice: On Demo Boards

Duration : 96 Hrs (4 weeks, 4 hrs / day)

Course Fees : Rs. 8,000/-

C.6 l HMI

- Introduction of HMI
- Comparison Between SCADA & HMI
- Communication of HMI with PLC
- Creating & Editing Graphic Display With Animation
- Database of Tags & Process Tags & Internal Tags
- Application of Lad Program on HMI
- Moving object & Alarm System, Multiscreen Tasks
- Working With online Trend Control

Duration : 96 Hrs (4 weeks, 4 hrs / day)

Course Fees : Rs. 8,000/-

C.6 n Robotics & Automation

- Introduction
- C++ Programming
- Lgrobo Kit
- Programming Of Sensors
- Interfacing With Mo`tors
- Programming Of Mobile Robot 6 Axis Robot

Duration : 96 Hrs (4 weeks, 4 hrs / day)

Course Fees : Rs. 8,000/-

Note : New batches will be started from First & Third Monday of every month

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C.6 o Sensors & Applications

- Temperature Sensor
- Light Sensor & Ir Sensor
- Pressure Sensor
- LVDT Coil & Load Cell
- Piezo Electric Sensor
- Gas Sensor & Alcohol Sensor

Duration : 48 Hrs (2 weeks, 4 hrs / day)
Course Fees : Rs. 5,500/-

C.6 q 8051 Micro - Controller

- Basics of Digital Electronics
- Basics of 'C' Language
- Test Equipment
- Introduction To 8051
- 8051 Assembly/Embedded C Programming
- Internal Peripherals of 8051
- Live Practice On Demo Boards

Duration : 96Hrs (4 weeks, 4 hrs / day)
Course Fees : Rs. 8,000/-

C.6 s Ansys LF

- Introduction
- Maxwell Basic, Geometry Import
- Magnetostatic, EDDY Current Solver
- AC/DC Solver
- Mesh Linking
- Post Processing, Optimization

Duration : 72 Hrs. (3 weeks, 4 hrs / day)
Course Fees : Rs. 9, 000/-

C.6 u MATLAB

- Introduction, Parallel Computing
- Control System Design & Analysis
- Signal Processing & Communication
- Test & Measurement
- Code Generation & Verification
- Application Database Connectivity & Reporting

Duration : 96 Hrs (4 weeks, 4 hrs / day)
Course Fees : Rs. 10,000/-

C.6 w Robotics

- Introduction To Robotics
- Types of Robot
- Actuators & Drives System
- Programming of Robot
- Programming Using Teach box
- Programming Using Software

Duration : 72 Hrs (2 weeks, 4 hrs / day)
Course Fees : Rs. 5,000/-

C.6 aa Safety System in Autotronics

- Introduction
- Automotive Engine control Management
- AIR Bag System
- Automotive Air Conditioning & Heating System Simulator

Duration : 72 Hrs (3 weeks, 4 hrs / day)

C.6 y Engine Management in Autotronics

- Introduction
- Multi Point Electronic Fuel Injection System
- Petrol Engine Test bed
- Common ignition fuel injection
- EFI (Electronic fuel Injection)
- Vehicle Display Principles
- Diesel Engine Test Bed
- Engine Management Principle
- Common Rail Diesel Engine Test Bed

Duration : 72 Hrs (3 weeks, 4 hrs / day)
Course Fees : Rs. 10,000/-

C.6 p Microprocessor Programming

- Introduction
- Instruction Set
- Assembly Language Programming
- Interfacing
- Programmable Peripheral Interface
- Live Practice: On Demo Boards

Duration : 96 Hrs (4 weeks, 4 hrs / day)
Course Fees : Rs. 8,000/-

C.6 r Basic Mechatronics

- Introduction
- PLC Programming,
- Basic Pneumatics
- Electro Pneumatics,
- Mechatronics Projects Kits

Duration : 192 Hrs (8 weeks, 4 hrs / day)
Course Fees : Rs. 17,000/-

C.6 t Semiconductor Testing

- Introduction,
- Project Plan, Specifications And Test Program
- Dc Parameters Test
- Functional Test
- Debug Tools And Debugging
- Introduction To Design For Testability

Duration : 72 Hrs (3 weeks, 4 hrs / day)
Course Fees : Rs. 8,000/-

C.6 v A C Drives

- Introduction to Drives
- Difference Between AC Drives & DC Drives
- Study of Various Kinds of Motor
- Application & Speed Control of Motor
- Introduction of Seimens G120 Drive
- Types of Operation & Interfacing with PLC

Duration : 48 Hrs (2 weeks, 4 hrs / day)
Course Fees : Rs.5,500/-

C.6 x Embedded in Robotics & Automation

- Introduction
- C++ Programming
- Arm Basics
- Lpc2148 Programming
- Interfacing of Sensors
- Programming of Mobile Robot 6 Axis Robot

Duration : 144 Hrs (6 weeks, 4 hrs / day)
Course Fees : Rs. 15,000/-

C.6 ab Basics of Process Automation

- Introduction
- Various Sensor
- Process Technology - flow, Pressure & Temperature
- Programmable Logic controller

Duration : 72 Hrs (3 weeks, 4 hrs / day)
Course Fees : Rs. 10,000/-

C.6 z Electronics in Automobile

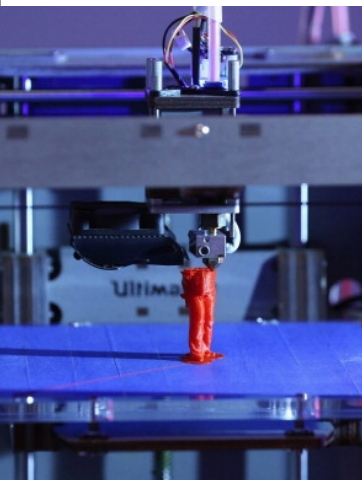
- Introduction
- Automotive Electrical Training System
- Simulate The Electrical System on an Automobile
- Anti-lock Breaking System

Duration : 72 Hrs (3 weeks, 4 hrs / day)
Course Fees : Rs. 10,000/-



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 no. of batches & course fee without prior notice.

C-7. 3D PRINTING / SCANNING

**C.7 A 3D Printing (Rapid Prototyping)**

- Additive Technology & Its Applications
- Additive Manufacturing SLA, SLS, FDM
- Preparing The Model For Rapid Manufacturing
- Materials & Optimizing Manufacturing
- Different Materials & Their Properties
- Adjustment of Parameters
- Time Estimating The Production Time of The Job
- Assembly of The FDM System

Duration : 96 Hrs. (4 weeks, 4 hrs / day)**Course Fees : Rs. 10,000/-****C.7 c Geomagic Scanning**

- Basic Modeling Concept
- Knab Modeling without Mesh
- End to End Modeling, Accuracy Analyser
- Modeling Feature, Auto Surface v/s Design

Duration : 72 Hrs. (3 weeks, 4 hrs / day)**Course Fees : Rs. 10,000/-****C.7 B 3D Scanning (Reverse Engineering)**

- Scanning Technology
- Different Type of Scanners
- Scanning For Different Type of Objects
- Preparing The Object For Scanning
- Capturing The Cloud Data For Small & Large Objects
- Synthesizing The Model With Overlap
- Modifying The Model To Suit The Design Requirement
- Printing The Model For Checking Form & Fit
- Design Verification Tools

Duration : 72hrs. (3 weeks, 4 hrs / day)**Course Fees : Rs. 10,000/-****C.7 d Rapid Works**

- Basic CAD Model
- Assistance to Scan View
- Converting CAD Model for printing

Duration : 72 Hrs. (3 weeks, 4 hrs / day)**Course Fees : Rs. 10,000/-**

C.8 WELDING

C8 a Gas Welding

- Introduction to Gas Welding
- Filler Rods
- Gas Cutting operations
- Gas Welding Process

Duration : 96 Hrs. (4 weeks, 4hrs / day)**Course Fees : Rs. 5,500/-****C.8 c MIG/MAG Welding**

- Introduction to MIG/MAC Welding
- Welding Positions
- MIG/MAG Welding Process

Duration : 96 Hrs. (4 weeks, 4hrs / day)**Course Fees : Rs. 11,000/-****C.8 e Advance Welding**

- MIG Welding
- MAG Welding
- TIG Welding

Duration : 288 Hrs. (12 weeks, 4 hrs / day)**Course Fees : Rs. 22,000/-****C.8 b ARC Welding**

- Introduction to ARC Welding
- Intoduction Diffrant Welding Electrodes
- Intoduction Types of welding machines
- Arc Welding Process

Duration : 96 Hrs. (4 weeks, 4hrs / day)**Course Fees : Rs. 5,500/-****C.8 d TIG Welding**

- Introduction to TIG Welding
- Welding Positions
- TIG Welding Process

Duration : 96 Hrs. (4 weeks, 4hrs / day)**Course Fees : Rs. 11,000/-****C.8 f Basic Welding**

- Conventional Workshop,
- Arc Welding
- Gas Welding

Duration : 288 Hrs. (12 weeks, 4 hrs / day)**Course Fees : Rs. 22,000/-**

C-9. REPAIRS & MAINTENANCE OF ELECTRICAL & ELECTRONIC GADGETS

C.9 a Hand Held Products (HHP)

(Tablets, Mobile Phone, Smart Phone etc.)

- Introduction to Technology
- Working Principles
- Structures
- Types of Technologies
- Assembly & Disassembly
- Repair, Maint. & Trouble Shooting

Duration : 288 Hrs. (12 weeks, 8 hrs / day)**Course Fees : Rs. 15,000/-****C.9 b Audio Video (AV)**

(LED, LCD, Plasma TV, Home Theater)

- Introduction to Technology
- Working Principles
- Structures
- Types of Technologies
- Assembly & Disassembly
- Repair, Maint. & Trouble Shooting

Duration : 288 Hrs. (12 weeks, 8 hrs / day)**Course Fees : Rs. 15,000/-****C.9 d Room Air Conditioner & Home Appliances (RACHA)**

(Refrigerator, Washing Machine, Oven etc.)

- Introduction to Technology
- Working Principles
- Structures
- Types of Technologies
- Assembly & Disassembly
- Repair, Maint. & Trouble Shooting

Duration : 288 hrs. (12 weeks, 4 hrs / day)**Course Fees : Rs. 20,000/-**

Note : New batches will be started from First & Third Monday of every month
Institute reserves right to incorporate changes in course content, duration, intake capacity,
no. of batches & course fee without prior notice.

C-10. COMPUTER HARDWARE MAINTENANCE & ADVANCE NETWORKING

C.10 a Computer Hardware Maint. & Networking

- Introduction to Operating Systems
- Computer Peripherals, Memory & Storage
- Assembly and Trouble Shooting
- Introduction to Networking

Duration : 144 Hrs. (12 weeks, 2 hrs / day)

Course Fees : Rs. 12,000/-

C.10 b Advanced Networking

- Applications Software Installation (MS Office, Photoshop, Tally, Antivirus etc.)
- Installation of Operating System (Windows XP, Vista, Win 7, Win 8, Server 2003, 2008 R2, 2012, 2012 R2)

Duration : 144 Hrs. (12 weeks, 2 hrs / day)

Course Fees : Rs. 12,000/-

C.10 c Training Program for MCSE/MCSA Server 2012

- Installing and Configuring & Administering Windows Server 2012(70-410), 2012(70-411) Adv. Windows Server 2012(70-412)
- Design & Implementing a Server Infrastructure (70-413)
- Implementing an Advance Server Infrastructure (70-414)
- Implementing a Desktop Infrastructure & Application (70-415) Environments (70-416)

Duration : 144 Hrs. (12 weeks, 2 hrs / day)

Course Fees : Rs. 12,000/-

C.10 d C Programming

- Introduction to C
- Getting Started & Environmental Setup
- Program Structure In C
- Basic Syntax In C
- Data Types, Variables & Operators
- Functions, Decision Making
- Loops, Array & Pointers

Duration : 48 Hrs. (4 weeks, 2 hrs / day)

Course Fees : Rs. 1,250/-

C.10 e Participating Program on SAP Business one

- Overview, Purchase, Sales, Pricing
- Items, MRP, Inventory, Project Management
- Bin Location, Service Management
- Introduction to Implementation
- Introduction to Accounting

Duration : 96 Hrs. (3 weeks, 4 hrs / day)

Course Fees : Rs. 10,000/-

C.10 f C++

- Beginning With C++, Tokens, Expressions & Control Structures
- Functions In C++, Classes And Objects
- Data Encapsulation & Abstraction
- Inheritance, Polymorphism, Dynamic Binding, Message Passing, Constructor, Destructor

Duration : 48 Hrs. (4 weeks, 2 hrs / day)

Course Fees : Rs. 1,500/-

C.10 g ASP.Net

- Introduction to .net
- Object Oriented Programming
- Graphical User Interface (win Forms)
- Database Connectivity
- Asp.net

Duration : 48 Hrs. (4 weeks, 2 hrs / day)

Course Fees : Rs. 2,500/-

C.10 h JAVA

- Introduction to Java, Getting Started
- Environmental Setup
- Basic Syntax
- Objects & Classes
- Basic Datatypes, Opt. & Variables
- Modifiers, Decision Making, Loops

Duration : 48 Hrs. (4 weeks, 2 hrs / day)

Course Fees : Rs. 2,500/-

Note : SQL & VB. Net Courses conducted on demand with minimum 15 participants per batch

C-11. SOLAR TECHNOLOGY

C.11 a Solar PV Installer (Suryamitra)

- Site Survey
- Solar PV System Components
- Installation Solar PV System Components
- Testing & Commissioning
- Maintenance, Health Safety

Duration : 288 Hrs. (6 weeks, 4 hrs / day)

Course Fees : Rs. 12,000/-

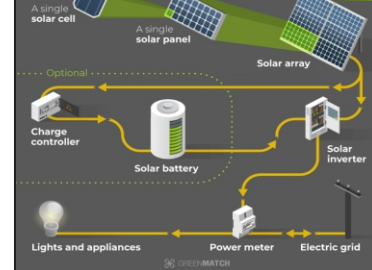
C.11 b Solar PV Installer (Electrical)

- Site Survey
- Solar PV System Components
- Installation Electrical Components
- Testing & Commissioning
- Maintenance, Health Safety

Duration : 192 Hrs. (4 weeks, 4 hrs / day)

Course Fees : Rs. 8,000/-

**Note : New batches will be started from First & Third Monday of every month
Institute reserves right to incorporate changes in course content, duration, intake capacity, no. of batches & course fee without prior notice.**



CUSTOM DESIGNED / TAILOR MADE COURSES

COURSES FOR FOREIGN NATIONALS

SPECIAL TRAINING PROGRAMME DESIGNED & CONDUCTED : FOR FOREIGN NATIONALS

SR.NO.	COURSE	DURATION
1	ADVANCE COURSE IN TOOL MANUFACTURING & CAD / CAM	24 WEEKS
2	ADVANCE COURSE IN CNC MACHINING (MILLING)	24 WEEKS
3	POST DIPLOMA IN TOOL DESIGN & MANUFACTURING	12 WEEKS
4	DIE & MOULD MFRG. TECHNOLOGY	06 WEEKS
5	ADVANCE COURSE IN TOOL DESIGN & MANUFACTURING	08 WEEKS
6	ADVANCE COURSE IN CNC MACHINING (WIRE CUT)	24 WEEKS
7	ADVANCE COURSE IN DIE & MOULD MANUFACTURING TECHNOLOGY	08 WEEKS
8	COURSE IN CNC PROGRAMMING & MACHINING	12 WEEKS

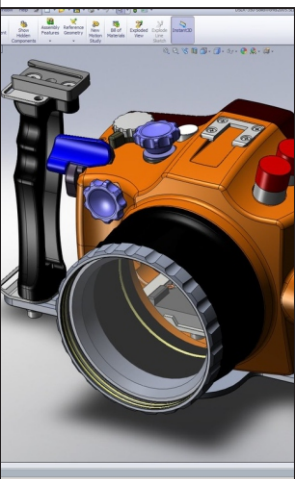


FOR INDUSTRIAL PROFESSIONALS

SPECIAL TRAINING PROGRAMME DESIGNED & CONDUCTED : INDUSTRIAL PROFESSIONALS

SR.NO.	COURSE	DURATION
1	INT. COURSE IN CAD / CAM / CAE	12 WEEKS
2	BASIC PRACTICES IN FORGING DIE MANUFACTURING	06 WEEKS
3	TOOL/DIE DESIGN & MANUFACTURING	02 WEEKS
4	CNC MILLING & DRILLING OPERATIONS	01 WEEKS
5	INTEGRATED COURSE IN CAD	04 WEEKS
6	CONVENTIONAL MACHINE OPERATIONS (GRINDING)	08 WEEKS
7	BASIC HYDRAULICS	01 WEEK
8	ELECTRO HYDRAULICS	01 WEEK
9	CONV. MACHINE OPERATIONS	08 WEEKS
10	BiW FIXTURE MANUFACTURING	02 WEEKS
11	CNC PROGRAMMING & MACHINING (VMC)	05 WEEKS
12	CNC LATHE & MILLING OPERATIONS	02 WEEKS
13	TOOL DESIGN	06 WEEKS
14	TOOL DESIGN BASICS (INJECTION MOULD DESIGN)	01 WEEK
15	BASIC PNEUMATICS	01 WEEK
16	ELECTRO PNEUMATICS	01 WEEK

Note : Institute reserves right to incorporate changes in course content, duration, intake capacity, no. of batches & course fee without prior notice.



AREA	MODULE	COURSE	DURATION	REG. FEE	COURSE FEES	GST	SUMMER STARTING DATES	WINTER STARTING DATES
MECHANICAL / PRODUCTION / AUTOMOBILE ENGINEERING OR EQUIVALENT	CAD	AUTOCAD	15 DAYS (6 HRS/DAY)	REGISTRATION FEE OF RS.300/- APPLICABLE TO ALL CANDIDATES	₹ 4,500/-	GST 18 % EXTRA ON REGISTRATION FEES & COURSE FEES APPLICABLE TO ALL CANDIDATES	New batches will be started from First, & Third Monday of April, May , June & July	New batches will be started from First, & Third Monday of October, November, December & January
		SOLIDWORKS	15 DAYS (6 HRS/DAY)		₹ 5,500/-			
		SOLIDEDGE	15 DAYS (5 HRS/DAY)		₹ 5,500/-			
		CATIA	15 DAYS (6 HRS/DAY)		₹ 8,000/-			
		CREO PARAMETRIC	15 DAYS (6 HRS/DAY)		₹ 8,000/-			
		UNIGRAPHICS	15 DAYS (6 HRS/DAY)		₹ 11,000/-			
	CAM	MASTERCAM	15 DAYS (6 HRS/DAY)		₹ 5,500/-			
		DELCAM	15 DAYS (6 HRS/DAY)		₹ 5,500/-			
		UNIGRAPHICS (CAM)	15 DAYS (6 HRS/DAY)		₹ 11,000/-			
	CAE	ANSYS	15 DAYS (6 HRS/DAY)		₹ 9,000/-			
		HYPERMESH	15 DAYS (6 HRS/DAY)		₹ 9,000/-			
		CFD USING ANSYS FULENT / CFX	15 DAYS (5 HRS/DAY)		₹ 11,000/-			
	CNC PROGRAMMING MACHINING	CNC PROGRAMMING LATHE/ MILLING - ANY ONE	15 DAYS (6 HRS/DAY)		₹ 6,500/-			
		CNC MACHINING LATHE/ MILLING / WIRE CUT / EDM - ANY ONE	15 DAYS (6 HRS/DAY)		₹ 8,000/-			
CIVIL / ARCHITECTURAL ENGINEERING	3D PRINTING & SCANNING	3D SCANNING (REVERSE ENGINEERING)	15 DAYS (5 HRS/DAY)	REGISTRATION FEE OF RS.300/- APPLICABLE TO ALL CANDIDATES	₹ 10,000/-	GST 18 % EXTRA ON REGISTRATION FEES & COURSE FEES APPLICABLE TO ALL CANDIDATES	New batches will be started from First, & Third Monday of April, May , June & July	New batches will be started from First, & Third Monday of October, November, December & January
		3D PRINTING (RAPID PROTOTYPING)	15 DAYS (6 HRS/DAY)		₹ 10,000/-			
	CAD	AUTO CAD CIVIL	15 DAYS (6 HRS/DAY)		₹ 4,500/-			
		3DS-MAX	15 DAYS (6 HRS/DAY)		₹ 9,000/-			
		REVIT ARCHITECTURE	15 DAYS (6 HRS/DAY)		₹ 9,000/-			
	CAE	STAAD PRO	15 DAYS (6 HRS/DAY)		₹ 9,000/-			
		SURVEYING	CIVIL SURVEYING USING TOTAL STATION		₹ 7,000/-			
ELECTRICAL / ELECTRONICS / INSTRUMENTATION / COMPUTER / MECHANICAL ENGINEERING OR EQUIVALENT B.Sc / M.Sc ELECTRONICS / COMPUTER SCIENCES	AUTOMATION	ELECTRICAL CAD / EPLAN - ANY ONE	15 DAYS (6 HRS/DAY)		₹ 4,500/-			
		BASIC HYDRAULICS / PNEUMATICS - ANY ONE	6 DAYS (4 HRS/DAY)		₹ 3,500/-			
		ELECTRO HYDRAULICS / PNEUMATICS - ANY ONE	6 DAYS (4 HRS/DAY)		₹ 4,500/-			
		ADVANCE PNEUMATICS / HYDRAULICS- ANY ONE	6 DAYS (4 HRS/DAY)		₹ 5,500/-			
		PLC PROGRAMMING	15 DAYS (6 HRS/DAY)		₹ 8,000/-			
		ADVANCE PLC PROGRAMMING	15 DAYS (6 HRS/DAY)		₹ 8,000/-			
		SCADA	15 DAYS (6 HRS/DAY)		₹ 8,000/-			
		HMI	15 DAYS (6 HRS/DAY)		₹ 8,000/-			
		8051 MICRO CONTROLLER	15 DAYS (6 HRS/DAY)		₹ 8,000/-			
		ROBOTICS & AUOMATION	15 DAYS (6 HRS/DAY)		₹ 8,000/-			
		EMBEDDED IN ROBOTICS & AUTOMATION	24 DAYS (6 HRS/DAY)		₹ 15,000/-			
		MICRO-PROCESSOR PROGRAMMING	15 DAYS (6 HRS/DAY)		₹ 8,000/-			
		EMBEDDED SYSTEMS	15 DAYS (6 HRS/DAY)		₹ 8,000/-			
		VLSI	15 DAYS (6 HRS/DAY)		₹ 8,000/-			
		SENSORS AND APPLICATIONS	12 DAYS (4 HRS/DAY)		₹ 5,500/-			
		AC DRIVES	12 DAYS (4 HRS/DAY)		₹ 5,500/-			
		MATLAB	15 DAYS (6 HRS/DAY)		₹ 10,000/-			
		AUTOMATION WITH PNEUMATICS USING PLC	24 DAYS (6 HRS/DAY)		₹ 14,500/-			
		BASIC MECHATRONICS	30 DAYS (6 HRS/DAY)		₹ 17,000/-			
		SEMICONDUCTOR TESTING	15 DAYS (5 HRS/DAY)		₹ 8,000/-			
		ROBOTINO	12 DAYS (4 HRS/DAY)		₹ 6,000/-			
COMPUTER SCIENCE / IT ENGINEERING - ANY GRADUATE	COMPUTER APPLICATIONS	C PROGRAMMING	24 DAYS (2 HRS/DAY)		₹ 1,250/-			
		C++ PROGRAMMING	24 DAYS (2 HRS/DAY)		₹ 1,500/-			
		JAVA	24 DAYS (2 HRS/DAY)		₹ 2,500/-			
		DOT NET	24 DAYS (2 HRS/DAY)		₹ 2,500/-			
		COMPUTER HARDWARE MAINTENANCE AND NETWORKING	24 DAYS (6 HRS/DAY)		₹ 12,000/-			
		CCNA	24 DAYS (6 HRS/DAY)		₹ 16,000/-			

INDO GERMAN TOOL ROOM, AURANGABAD EXTENSION CENTRE - KOLHAPUR / MUMBAI / NAGPUR / PUNE SWARGATE / PUNE BHOSARI / AMRAVATI / WALUJ

LONG TERM COURSES

SR.NO.	NAME OF THE COURSE	FULL TIME/ PART TIME	HRS/ DAY	DURATION	COURSE COMMENCEMENT	COURSE FEE (Rs.)
1	Post Graduate Diploma in Tool Design & CAD/CAM	FT	8	18 Months	Note: New Batch will be started from First Monday of January, April, July & October of Calendar Year	90,000/-
2	Post Diploma in Tool Design & CAD/CAM	FT	8	12 Months		60,000/-
3	Post Diploma in Tool & Die Manufacturing	FT	8	12 Months		60,000/-
4	Post Diploma in Mechatronics	FT	8	12 Months		60,000/-
4	Advance Certificate Course in Tool Design & CAD/CAM	FT	8	12 Months		50,000/-
4	Advance Certificate Course in Tool & Die Manufacturing	FT	8	12 Months		50,000/-



MEDIUM TERM COURSES

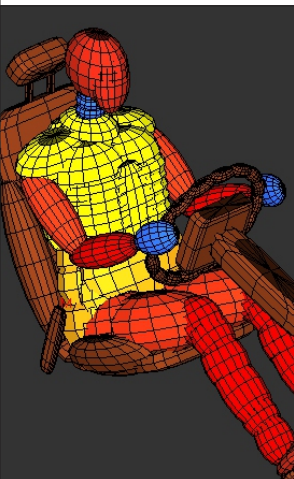
SR.NO.	NAME OF THE COURSE	FULL TIME/ PART TIME	HRS/ DAY	DURATION	COURSE COMMENCEMENT	COURSE FEE (Rs.)
1	Master Certificate Course in Tool Design	FT	8	06 Months	Note : New Batch will be started from First Monday of every month	35,000/-
2	Master Certificate Course in Computer Aided Tool Engg.	FT	8	06 Months		35,000/-
3	Master Certificate Course in CAD/CAM	FT	8	06 Months		35,000/-
4	Master Certificate Course in Mechatronics	FT	8	06 Months		35,000/-
5	Master Certificate Course in CNC Technology	FT	8	06 Months		35,000/-
6	Master Certificate Course in Product Design	FT	8	06 Months		35,000/-
7	Master Certificate Course in Industrial Automation/Robotics	FT	8	06 Months		35,000/-
8	Master Certificate Course in Structural Design & Analysis	FT	8	06 Months		35,000/-
9	Certificate Course in CAD & Quality Assurance	FT	8	06 Months		25,000/-
10	Certificate Course in Tool Design & CAD/CAM	PT	4	12 Months		25,000/-
11	Certificate Course in Tool Design	PT	4	06 Months		25,000/-
12	Certificate Course in CAD/CAM	PT	4	06 Months		25,000/-
13	Certificate Course in Product Design	PT	4	06 Months		25,000/-
14	Certificate Course in Mechatronics	PT	4	06 Months		25,000/-
15	Certificate Course in VLSI & Embedded System Design	PT	4	06 Months		25,000/-
16	Certificate Course in CNC Operations (Lathe/Milling/WEDM/EDM)	PT	8	06 Months		25,000/-



Note : Institute reserves right to incorporate changes in course content, duration, intake capacity, no. of batches & course fee without prior notice.

INDO GERMAN TOOL ROOM, AURANGABAD
EXTENSION CENTRE - KOLHAPUR / MUMBAI / NAGPUR / PUNE SWARGATE / PUNE BHOSARI / AMRAVATI

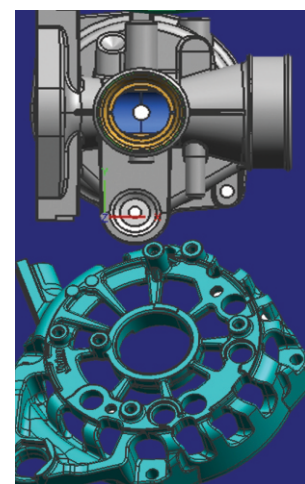
SHORT TERM COURSES



SR.NO.	NAME OF THE COURSE	FULL TIME/ PART TIME	HRS/ DAY	DURATION	COURSE COMMENCEMENT	COURSE FEE (Rs.)
1	Auto CAD (MECH.)	PT	4	96 Hrs.	Note : New Batch will be started from Every Monday	4,500/-
2	Auto CAD (CIVIL)	PT	4	96 Hrs.		4,500/-
3	Solidworks (CAD)	PT	4	96 Hrs.		5,500/-
4	Solid Edge (CAD)	PT	4	72 Hrs.		5,500/-
5	CATIA (CAD)	PT	4	96 Hrs.		8,000/-
6	CREO PARAMETRIC (CAD)	PT	4	96 Hrs.		8,000/-
7	Unigraphics (CAD)	PT	4	96 Hrs.		11,000/-
8	Unigraphics (CAM)	PT	4	96 Hrs.		11,000/-
9	Master CAM (CAD/CAM)	PT	4	96 Hrs.		5,500/-
10	DELCAM (CAD/CAM)	PT	4	96 Hrs.		5,500/-
11	DELCAM ART CAM	PT	4	72 Hrs.		8,000/-
12	ANSYS	PT	4	96 Hrs.		9,000/-
13	HYPERMESH	PT	4	96 Hrs.		9,000/-
14	GD & T	PT	4	24 Hrs.		4,500/-
15	CNC PROGRAMMING - MILLING	PT	4	96 Hrs.		6,500/-
16	CNC PROGRAMMING - LATHE	PT	4	96 Hrs.		6,500/-
17	PLC PROGRAMMING	PT	4	96 Hrs.		8,000/-
18	ADVANCE PLC PROGRAMMING	PT	4	96 Hrs.		8,000/-
19	SCADA	PT	4	96 Hrs.		8,000/-
20	VLSI	PT	4	96 Hrs.		8,000/-
21	EMBEDDED SYSTEM	PT	4	96 Hrs.		8,000/-
22	8051 MICRO CONTROLLER	PT	4	96 Hrs.		8,000/-
23	ELECTRICAL CAD	PT	4	96 Hrs.		4,500/-

Note : CNC Machining is only Available at extension Center Nagpur
Institute reserves right to incorporate changes in course content, duration, intake capacity,
no. of batches & course fee without prior notice.

		DURATION	COURSE COMMENCEMENT
LONG TERM COURSES	Advance Diploma in Tool & Die Making	4 YEARS	New Batch Will Be Started From First Monday of August. Every year
	Diploma in Mechatronics	3 YEARS	
	Certificate Course in Machinist (Tool Room) NSQF Level - 5	2 YEARS	
	Post Graduate Diploma in Tool Design & CAD / CAM NSQF Level - 8	1.5 YEARS	
	Post Graduate Diploma in Mechanical Product Design NSQF Level - 8	1.5 YEARS	New Batch Will Be Started From First Monday of January, April, July & October. Every year
	Post Graduate Diploma in Mechatronics NSQF Level - 8	1.5 YEAR	
	Post Diploma in Tool Design & CAD / CAM NSQF Level - 6	1 YEAR	
	Post Diploma in Tool & Die Manufacturing NSQF Level - 6	1 YEAR	
	Post Diploma In Computer Aided Engineering NSQF Level - 6	1 YEAR	
	Post Diploma in Product Design NSQF Level - 6	1 YEAR	
	Post Diploma in CNC Machine Maintenance NSQF Level - 6	1 YEAR	
	Post Diploma in Mechatronics NSQF Level - 6	1 YEAR	
	Post Diploma in VISI & Embedded Systems	1 YEAR	
	Post Diploma in Industrial Automation / Robotics NSQF Level - 6	1 YEAR	
	Advance Certificate Course in Tool Design & CAD / CAM NSQF Level - 5	1 YEAR	New Batch Will Be Started From First Monday of February May, August & November Every year
	Advance Certificate Course in Tool & Die Manufacturing NSQF Level - 5	1 YEAR	
	Advance Certificate Course in CNC Machining NSQF Level - 5	1 YEAR	
	Advance Certificate Course in Machine Maintenance NSQF Level - 5	1 YEAR	
	Advance Certificate Course in Welding Technology NSQF Level - 5	1 YEAR	
	Certificate Course in CNC Turning & Milling NSQF Level - 4	1 YEAR	
	Certificate Course in Tool & Die Making NSQF Level - 4	1 YEAR	
	Certificate Course in Machine Tool & Welding Operations	1 YEAR	
	Certificate Course in Machine Maintenance & Welding Operations	1 YEAR	
MEDIUM TERM COURSES	Certificate Course in Machine Operations - WIRE CUT & EDM	24 WEEKS	New Batch Will Be Started From First Monday of February Every Month. Every year
	Certificate Course in CNC Machine Operations - Lathe NSQF Level - 4	24 WEEKS	
	Certificate Course in CNC Machine Operations - Milling NSQF Level - 4	24 WEEKS	
	CISCO Certified Network Associate NSQF Level - 6	18 WEEKS	
	Adv. Diploma in Comp. Hardware & Network Management NSQF Level - 6	24 WEEKS	
	Advance Certificate Course in Inspection & Quality Control NSQF Level - 5	24 WEEKS	
	Master Certificate Course in Automation & Process Control NSQF Level - 7	24 WEEKS	
	Master Course in Computer Aided Tool Engineering NSQF Level - 6	24 WEEKS	
	Master Certificate Course in CAD/CAM NSQF Level - 6	24 WEEKS	
	Master Certificate Course in Tool Design NSQF Level - 6	24 WEEKS	
	Master Certificate Course in Welding Operations	24 WEEKS	
	Master Certificate Course in CNC Technology NSQF Level - 6	24 WEEKS	
	Master Certificate Course in Product Design NSQF Level - 6	24 WEEKS	
	Advance Diploma in Structural Design & Analysis NSQF Level - 6	24 WEEKS	
	Master Certificate Course in Mechatronics NSQF Level - 6	24 WEEKS	
	Advance Diploma in Machine Maintenance & Automation NSQF Level - 6	24 WEEKS	
	Certificate Course in CAD/CAM	24 WEEKS	
	Certificate Course in Product Design	24 WEEKS	
	Certificate Course in Tool Design	24 WEEKS	
	Certificate Course in Tool Design & CAD/CAM	48 WEEKS	
	Certificate Course in 3D Printing & Reverse Engineering	24 WEEKS	
	Certificate Course in VLSI & Embedded System Design	24 WEEKS	
	Certificate Course in Mechatronics	24 WEEKS	



Note For Placement : Three months prior to course completion placement activity shall be started .
Selected Trainees will be relieved after course completion only.

IGTR makes efforts to contact & invite companies to conduct campus interviews, however no guarantee can be given for placement / employment.

CUSTOM DESIGNED SPECIAL TRAINING PROGRAMMES CONDUCTED FOR :

GOVERNMENT AGENCIES

- NATIONAL SC ST HUB, GOVERNMENT OF INDIA
- NATIONAL BACKWARD CLASSES FINANCE AND DEVELOPMENT, GOVERNMENT OF INDIA
- DEPARTMENT OF DEVELOPMENT OF NORTH EASTERN REGION (DONER), GOVERNMENT OF INDIA
- DEEN DAYAL UPADHYAYA GRAMEEN KAUSHALYA YOJANA (DDU-GKY), MoRD, GOVERNMENT OF INDIA
- NATIONAL SCHEDULED CASTES FINANCE AND DEVELOPMENT, CORPORATION, GOVERNMENT OF INDIA
- TRIBAL DEVELOPEMENT DEPARTMENT, GOVERNMENT OF MAHARASHTRA
- DIRECTORATE OF TECHNICAL EDUCATION, GOVERNMENT OF MAHARASHTRA
- TRIBAL RESEARCH & TRAINING INSTITUTE, GOVERNMENT OF MAHARASHTRA
- DIRECTORATE OF VOCATIONAL EDUCATION AND TRAINING, GOVERNMENT OF MAHARASHTRA
- DR. BABASAHEB AMBEDKAR RESEARCH AND TRAINING INSTITUTE, GOVERNMENT OF MAHARASHTRA
- MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI, GOVERNMENT OF MAHARASHTRA
- MADHYA PRADESH COUNCIL OF EMPLOYMENT AND TRAINING (MAPCET), GOVERNMENT OF MADHYA PRADESH

INDUSTRIES

- NATIONAL ACADEMY OF DEFENSE, PRODUCTION (NADP), NAGPUR.
- MAHATMA GANDHI INSTITUTE FOR RURAL INDUSTRIALIZATION, MAGANWADI,
- HINDUSTAN AERONAUTICS LTD., NASIK
- HINDUSTAN AERONAUTICS LTD., KORAPUT
- MARUTI UDYOG LTD., NEW DELHI
- L & T LTD., BARODA
- L & T LTD., CUTTING TOOL DIVISION, MUMBAI
- JK FILES LTD., MUMBAI
- M.A FORD & COMPANY LTD., MUMBAI
- MAHINDRA FORGINGS LTD, PUNE
- KIRLOSKAR PNEUMATICS CO. LTD, PUNE
- BHARAT FORGE LIMITED, PUNE
- TVS INDUSTRIES GROUP, CHENNAI
- GREAVES LTD., AURANGABAD
- PACKSYS GLOBAL (INDIA) PVT. LTD. MUMBAI.
- LOMBARDINI LTD., AURANGABAD
- JOHNSON & JOHNSON LTD., AURANGABAD
- FORBES LIMITED, AURANGABAD
- COSMO FILMS LIMITED, AURANGABAD
- JOHN DEER INDIA PVT. LTD. PUNE
- VARROC ENGINEERING, AURANGABAD
- NRB BEARINGS LIMITED, AURANGABAD
- EATON TECHNOLOGIES, PUNE
- XYLEM INDUSTRIES, BADODA
- EPCOS LTD., NASHIK
- HIRSCHVOGEL KALYANI INDIA PVT. LTD., PUNE
- CANPACK (I) LTD, AURANGABAD.
- ENDURANCE TECH. PVT LTD., AURANGABAD
- BOSCH INDIA LTD. PUNE
- ACG WORLD WIDE, MUMBAI

INSTITUTES

- SHIVAJI UNIVERSITY, KOLHAPUR
- DR. BATU, LONERE
- BAMU UNIVERSITY, AURANGABAD
- GOVERNMENT COLLEGE OF ENGG., AURANGABAD
- GOVERNMENT COLLEGE OF ENGINEERING, JALGOAN
- GOVERNMENT POLYTECHNIC, LATUR
- JNEC, COLLEGE OF ENGG., AURANGABAD
- MGM COLLEGE OF ENGINEERING, NANDED
- PES COLLEGE OF ENGINEERING, AURANGABAD
- MIT COLLEGE OF ENGG., AURANGABAD
- AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER
- SSG COLLEGE OF ENGINEERING, SHEGAON
- SES COLLEGE OF ENGINEERING, KOPARGAON
- GGS COLLEGE OF ENGINEERING, BIDAR
- GRAMIN POLYTECHNIC, NANDED
- SGGGS COLLEGE OF ENGINEERING, NANDED
- PADMASHRI DR. VIKHE PATIL COLLEGE OF ENGG., LONI
- SVERI'S COLLEGE OF ENGINEERING, PANDHARPUR
- HI-TECH INSTITUTE OF TECHNOLOGY, AURANGABAD
- S.S.V.P'S B.S. DEORE ENGG. COLLEGE, DHULE
- DEOGIRI COLLEGE OF ENGG., AURANGABAD
- PRAVARA RURAL ENGG.. COLLEGE, LONI
- SHRI. GULABARO DEOKAR COLLEGE OF ENGG., JALGAON
- J D MAHAJAN COLLEGE OF ENGG., NAGPUR
- TERNA COLLEGE OF ENGG., OSMANABAD
- PROF. RAM MEGHE COLLEGE OF ENGG., BADNERA
- PROF. RAM MEGHE INST. OF TECH. BADNERA
- SHIVAJI COLLEGE OF ENGG., PARBHANI
- P.R.POTE(PATIL) COE & MANAGEMENT, AMRAVATI
- KARMAYOGI COLLEGE OF ENGG., PANDHARPUR
- SHREYASH COLLEGE OF ENGG., AURANGABAD
- CSMSS COLLEGE OF ENGG., AURANGABAD
- N.B.NAVLE SINHGAD COLLEGE OF ENGG., SOLAPUR
- SKN SINHGAD COLLEGE OF ENGG., PANDHARPUR
- ORCHID COLLEGE OF ENGINEERING, SOLAPUR
- SHIVAJI COLLEGE OF ENGINEERING, SANGOLA
- FABTECH COLLEGE OF ENGINEERING, SANGOLA
- K.K. WAGH COLLEGE OF ENGG., NASIK
- EVEREST COLLEGE OF ENGG., AURANGABAD
- WOMEN'S RESIDENTIAL GOVT. POLY., LATUR
- M.S. BIDVE COLLEGE OF ENGINEERING, LATUR
- D.Y. PATIL COLLEGE OF ENGINEERING, PUNE

INFRASTRUCTURE AT GLANCE

- | | |
|---|---|
| - TOTAL PLOT AREA - 51878 Sq. Mtr. | - BUILT UP AREA - 25092 Sq. Mtr. |
| - CAPTIVE POWER GENERATION - 2X320 KVA- | - CENTRAL AIR CONDITION |
| - ADMINISTRATION | - COMPRESSED AIR SUPPLY |
| - TRAINING | - PRODUCTION |
| - BOYS HOSTEL | - GIRLS HOSTEL |
| - COMMUNITY CENTER | - CANTEEN |
| - INTERNATIONAL HOSTEL | - RESIDENTIAL COMPLEX |
| - MULTIPURPOSE AUDITORIUM | - OVERHEAD & UNDERGROUND WATER RESERVOIRS |
| - SANCTIONED ELECTRIC POWER - 1500 KVA | - COMPRESSED AIR SUPPLY |
| - CAPTIVE POWER GENERATION-2X320 KVA | - CENTRAL AIR CONDITIONING UNIT |

CLEAN, GREEN & DUST FREE ENVIRONMENT



ADMINISTRATION



AUDITORIUM



CANTEEN



TRAINING



PRODUCTION



HOSTEL

TRAINING

WIDE SPECTRUM OF LATEST & ADVANCE MACHINE SET UP

CNC MILLING

DECKEL MAHO 50T
BFW SURYA - VF30
ACE - MCV350
ACE - SPARK XL
JYOTI - PX30
HAAS - TM1

CNC LATHE

ACE - JOBBER JUNIOR
ACE - TUTOR
ACE - JE 06 LM
JYOTI - DX 150
HAAS - TL1

CNC WIRE CUT

ELECTRONICA - SPRINTCUT
ELECTRONICA - ECOCUT

CNC SPARK EROSION

ELECTRONICA - EXPERT
ELECTRONICA - ZNC

PRECISION SURFACE GRINDER

PROTH PSGS3060BH
KENT

SURFACE GRINDER

KIRLOSKAR
ELB INDIA

CYLINDRICAL GRINDER

HMT K 130
PARISHUDH

TOOL & CUTTER GRINDER

PRAGA 3197

CONVENTIONAL MILLING

BFW - UF 2
BFW - VF 2
BFW - VF 1
HMT - FN 1 U MI TR

UNIVERSAL MILLING

MIKRON WF 3 SA

CONVENTIONAL LATHES

GEDEE WEILER LZ 350
KIRLOSKAR ENTERPRISE 380
KIRLOSKAR ENTERPRISE 355
HMT NL 22
PIONEER 350

HYDRAULIC TRAINING KIT

FESTO (DUAL STATION)
(BASIC, ELECTRO & ADVANCE)

PNEUMATIC TRAINING KIT

FESTO (DUAL STATION)
(BASIC, ELECTRO & ADVANCE)

PLC PROGRAMMING KIT

SIEMENS S71500
ALLEN BRADLEY S7300

AUTOMATION

VLSI
SCADA
PCB
EMBEDDED SYSTEMS
MECHATRONICS KIT
6 AXIS ROBOT
PROCESS AUTOMATION
AUTOTRONICS

WELDING

GAS, ARC
MIG/MAG/TIG

3D PRINTER

MARKFORGED MARK 2
HYREL-3D (HYDRA 16A)
RXP2200

3D SCANNER

MLT, 1M, 5.0 MP

SP3D PANTOGRAPH 1GRAVING

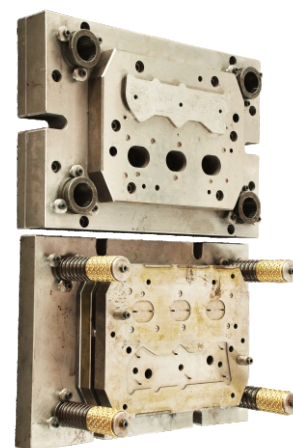
PRECISION ENGL. /MH 45 R

TOTAL STATION

TRIMBLE SPECTRA 2"

SOLAR PV

SOLAR PV KIT



PRODUCTION

ULTRAMODERN STATE-OF-THE-ART TOOL ROOM FACILITIES

CNC-5 AXIS HIGH PRECISION MACHINING CENTRE

HERMELE C 32 U

CNC-5 AXIS MILL TURN

HERMELE C 62 MT

CNC-5 AXIS MACHINING

HERMELE-B 300

HASS UMC 500 SS

CNC MACHINING CENTRE

DECKEL - MAHO DMC 100V

DECKEL - MAHO DMC 70V

DECKEL - MAHO DMC 70V Hi-dyn

HARTFORD HB2150 SG

MAKINO- V33

HAAS - VF2

HAAS - VF1

HAAS - VM6

CNC TURN / MILL

HAAS-ST 20 SSY

CNC MILLING

MIKRON - UME 710

MIKRON - WF - 52D

UNIVERSAL MILLING

MIKRON WF 3 SA, 2 SA

UNION MILLING

HMT M1 TR

BFW UF 2, 3.5

BPW VF 3.5

CNC HIGH PRECISION LATHE

SCHAUBLIN 125 CCN

CNC JIG GRINDING

HAUSER H 45

JIG BORING

HAUSER B-3 DR

CNC SURFACE GRINDER

BLOHM - PLANOMAT HP 408

CNC CYLINDRICAL GRINDER

STUDDER S 33

SCHLEIF SA 5/2 U

PRECISION SURFACE GRINDER

ELB OPTIMAL 8550 ND, 4250 ND

KENT 715 SERIES

KENT WM 263 S Series

JUNG JF 520

CNC WIRE CUT

AGIE CHARMILLES - CUT 400

AGIE CHARMILLES - 440CCS

CHARMILLES ROBOFIL 510

CHARMILLES ROBOFIL 300

CHARMILLES ROBOFIL 290

ELECTRONICA ULTRA CUT S1

ELECTRONICA ULTIMA

CNC SPARK EROSION

CHARMILLES ROBOFORM 20

CHARMILLES ROBOFORM 40

AGIETRON ADVANCE

MITSUBISHI E A 30

HIGH SPEED DRILLING

CHARMILLES ROBODRILL SH 2

3D MANUFACTURING METAL

EOS M 280

3D MANUFACTURING PLASTICS

EOS P 396-SLA

3DS- DLP

3D SCAANER

STEINBICHLER, COMET3D 5M

5M-250-25.0MM

CNC LATHE

GLIDEMEISTER CTX 400 E

HAAS - TL 1

HONOR - V400C

HAAS-SL 20

CENTRE LATHE

WEILER COMMODER, CONDOR

HMT NL 22

GEEDEE WEILER

MECHANICAL PRESS

NARENDRA 3000 KN

ZEULENPODA 1250 KN

HYDRAULIC PRESS

DUNKES TYPE HZS 63

INJECTION MOULDING M/C

L & T DEMAG DL 250 T

BATTENFIELD DBA 100 T

SINGLE & DOUBLE CHAMBER FURNACE

NOLZEN (GERMANY)

HARDNESS TESTER

BRINAL & VICKERS

ROCKWELL

QUALITY ASSURANCE

HIGH PRECISION QUALITY ASSURANCE & CALIBRATION SERVICES

CNC CMM

CAL-ZEISS PRISMO VAST 5

BROWN & SHARPE HEXAGON METROLOGY

TOOL MAKER'S MICROSCOPE

CARL-ZEISS (10 x 30x)

PROFILE PROJECTOR

3D SCANNER

RESOLUTION :-2448X2050

Measurement Volume In Mm³:

45 Field-of View : 45x38x30

75 Field-of View : 74x62x45

250 Field-of View : 260x215x140

500 Field-of View : 480x400x250

3D Point Distance In µm:- 45 / 75 / 250 / 500

CO -ORDINATE MEASURING MACHINE

CARL - ZEISS PRISMO VAST 5.

BROWN & SHARPE Hexagaon Metrology

Global Performance 050705

LINEAR HEIGHT MASTER (ELECTRONIC)

MITUTOYO

SURFACE FINISH TESTER

HOMMEL

NABL ACCREDITED CALIBRATION LAB

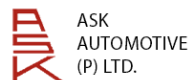
Calibration Services are offered for Precision measuring equipment like:

VERNIER CALIPER MICROMETER HIGHT GAUGE LEVER DIAL PLUNGER DIAL

LASER CALIBRATION SYSTEM

CALIBRATION OF CNC MACHINE LINEAR MOVEMENT ACCURACIES
RENISHAW'S XL-80 FOR LINEAR MEASUREMENT

Successful Placement / Employment



• Many of the IGTR trainees have established their own industry, have been employed abroad in countries like U.S.A. , CANADA, NETHERLANDS, FRANCE, JAPAN HONGKONG AUSTRIALIA, SINGAPORE, MALASIA, SOUTH KOREA, PHILIPINES and also pursuing their higher education in India / Abroad.

• IGTR makes efforts to contact & invite companies to conduct campus interviews, however no guarantee can be given for placement / employment.

GENERAL RULES & REGULATIONS FOR TRAINEES

1. Admissions are open for Boys & Girls, eligible candidates will be offered admission on first-come-first-serve basis as per norms.
2. IGTR / Centre reserves the right to reject any application without assigning any reason. Incomplete applications are liable to be rejected.
3. Reservation as per Government of India norms for NSQF compliant courses only.
4. In case of Non NSQF Compliant Courses Tuition Fee / Course Fee exemption will not be applicable for SC / ST Candidates.
5. Candidates belonging to reserved category should substantiate their claim by enclosing a Caste certificate issued by competent authority.
6. Medium of instruction is English only.
7. ***Caste Certificate & all necessary educational certificates in original form issued by competent authority is to be produced for verification at the time of admission which may be re-verified from the issuing authority if required.***
8. Admission to the course will be given only on deposition of registration fee, other fee, first semester tuition/course fee, Security deposit along with submission of relevant educational documents & caste certificate as applicable.
9. **Registration Fee / Course Fee is non-refundable / non-transferrable in case any candidate cancels his admission for any reason.**
10. GST 18% Extra as applicable on registration & Course / Tuition Fees for Non NSQF Complaint Courses will have to be paid by the candidate.
11. **Payment of Fee:** Any fee for admission to the course / Training program should be deposited online through SBI collect option available on <https://www.onlinesbi.com> or can be deposited in the **SBI Power Jyoti Account (Account No. 34008490415)** at any Branch of State Bank of India in the prescribed form (Challan form) available on the IGTR web site. **Registration fee (Non Refundable) to be paid at the time of registration to course**, balance fee (Security Deposit / Course Fee) to be paid on confirmation of admission to the course by IGTR / Centre. No fee will be accepted by Cash/Cheque/D.D.
12. **Course fee once paid will not be refunded under any circumstances.**
13. Security Deposit will be refunded only on successful completion of the course.
14. Admission to the course once confirmed will not be cancelled/transferred under any circumstances & fees paid will be forfeited.
15. **Course fee for the higher / next semester has to be paid within one week from the starting date of semester and all the candidates belonging to SC/ST category have to fill in fresh application form within one week from the starting date of each semester. Late fee will be charged as a fine from the due date as applicable for all trainees.**
16. IGTR / Centre reserves right to incorporate changes in course content, duration, intake capacity, No. of batches & course fee without prior notice. **The course fees as applicable at the starting of the batch / Course will have to be borne by the candidate, including taxes.**
17. Change of batch / Course or Readmission to the courses may be permitted on payment of extra charges as applicable.
18. **Security Deposit Shall be forfeited, in case of loss of original receipt of the security deposit.**
19. Registration Form is for application to the course only for admission purpose.
20. Movement of trainee within the campus shall be restricted to his / her allotted work place.
21. All the trainees will ensure discipline within the campus.
22. Regular attendance will have to be maintained by the trainee as per course schedule & 90% attendance is compulsory in all subjects **individually.**
23. All the internal assessments, assignments, evaluations will have to be attended / completed from time to time as per course schedule only.
24. Working hours are 8 hrs/day(excluding lunch) in different shifts / timing as prescribed by the IGTR / Centre.
25. The machines / Equipment / Furniture must be handled carefully. No act of damage to IGTR / Centre property shall be carried out by the trainee. Any loss or damage to property, fine as charged by management to be paid by the trainee.
26. Trainee have to ensure the proper utilization of IGTR / Centre property including Water & Electricity usage.
27. **Laptop, Mobile phone, Pen Drive, CD or any other related items are not permitted inside IGTR / Centre premises.**

28. Trainee shall be required to wear uniform and shoes as prescribed by the IGTR / Centre and possess I-Card compulsory during training.
29. **Trainees will abide by the examination rules and regulations displayed on Notice Board of IGTR / Centre and as amended from time to time.**
30. Leave without information / permission will not be entertained.
31. Trainees going on leave or to home during vacation should inform the Course Co-ordinator compulsory.
32. Study material shall be provided on extra cost as applicable.
33. IGTR / Centre is not responsible for any loss / damage of individual / personal property within around the campus.
34. No trainee shall organize / conduct any meeting within the campus.
35. Smoking & Chewing Tobacco, possessing or drinking Alcoholic beverages in any form is strictly prohibited within IGTR / Centre premises.
36. **Ragging is strictly prohibited in the Premises.**
37. Writing any comment / Remarks / Name on Doors, Walls, Toilet, Notice Board is strictly prohibited.
38. Violations of above & any other Rules, Regulations, Disciplines and Conduct etc. are liable for disciplinary action.

HOSTEL ACCOMMODATION

Separate hostel facilities may be provided for outstation boys & girls Subject to the availability of the accommodation at the discretion of the institute on extra cost as applicable.

RULES FOR AWARDING OF CERTIFICATE

The evaluation system consists of continuous assessment of each module / subject to assess the performance of trainee. Trainees who qualify in the examination shall be placed in different divisions according to the average marks obtained. **i.e.**

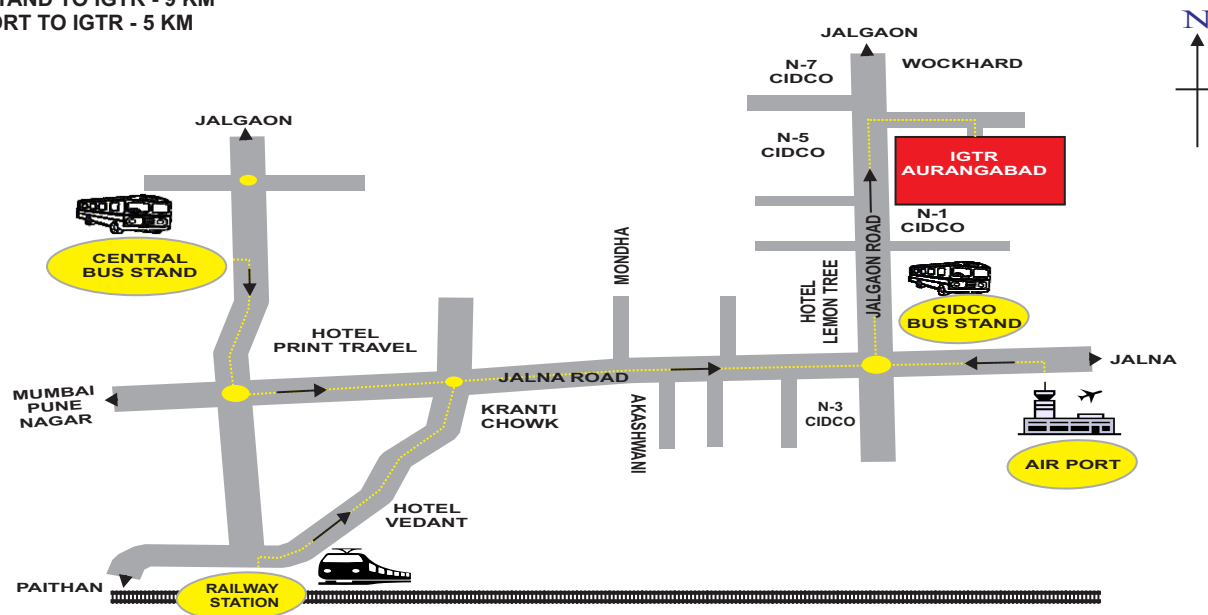
- ❖ **Distinction >75 %**
- ❖ **Second Class >50%&<60%**

- ❖ **First Class > 60%&<75%**

HOW TO REACH

TRAVEL GUIDE

- RAILWAY STATION TO IGTR - 8 KM
- BUS STAND TO IGTR - 9 KM
- AIR PORT TO IGTR - 5 KM



ISO 9001:2015

ISO 50001:2018

ISO 14001:2015 / ISO 45001:2018



MSME TECHNOLOGY CENTRE INDO GERMAN TOOL ROOM, AURANGABAD

P-31, MIDC, Chikalthana Industrial Area,
AURANGABAD. 431 006 (M.S.)

Phone : (0240) 2486832, 2482593, 2470541, 2480578

Fax : (0240) 2484028 E-mail : gm@igtr-aur.org

Web Site : <http://www.igtr-aur.org>, www.igtr-aur.gov.in



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EXTENSION CENTERS

KOLHAPUR

"ADVANCED TECHNOLOGY CENTRE"
IGTR, AURANGABAD
EXTENSION CENTRE, KOLHAPUR
Shivaji University, Vidya Nagar,
Kolhapur- 416004 M.S., INDIA
Tel. No.: (0231) 2692383
E-Mail: atckolhapur@igtr-aur.org
cdr.adtech@unishivaji.ac.in

PUNE - I

**IGTR - MSME DI CAD/CAM
TRAINING CENTRE**
EXTENSION CENTRE, PUNE - I
Near PMT Workshop,
Shakarshet Road, M.S., INDIA
Swargate, Pune - 411 037
Phone : 0091 - (020) 24440861
Fax No. : 0091 - (020) 24440862
E-mail : igtr_pune@yahoo.co.in

MUMBAI

MSME DI-IGTR CAD/CAM TRAINING CENTRE
EXTENSION CENTRE, MUMBAI
MSME Development Institute,
Saki Naka, Kurla - Andheri Road,
Mumbai 400 072 M.S., INDIA
Phone : 0091 - (022) 28573020, 28573024
Fax No. 0091 - (022) 28570663
Email : training_mum@igtr-aur.org

PUNE - II

INDO GERMAN TOOL ROOM, AURANGABAD
EXTENSION CENTRE, PUNE - II
MAHASA INK INDUSTRIAL ESTATE (MSIE)
Plot No T-153/1, MIDC, Bhosari
Pimpri Industrial Area,
Pune - 411 026 M.S., INDIA
Phone : 0091 - (020) 27121100, 27121122
E-mail : igtrecmsie@igtr-aur.org

NAGPUR

**INDO GERMAN TOOL ROOM,
AURANGABAD**
EXTENSION CENTRE, NAGPUR
P-142, MIDC Hingna,
Nagpur- 440028 M.S., INDIA
Tel. No.: (07104) 297136, 9075095552
Fax : (07104) 297136
E-Mail: training_ngp@igtr-aur.org

WALUJ

INDO GERMAN TOOL ROOM, AURANGABAD
EXTENSION CENTRE, WALUJ
Plot No. P-179, MIDC Industrial Area,
Waluj, Aurangabad-431136(M.S.)
Ph.No. 7875433540, 9373161256
E-mail : igtrecwaluj@igtr-aur.org, gm@igtr-aur.org