सुक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES
MSME - TOOL ROOM AURANGABAD

MSME TOOL ROOM
INDO GERMAN TOOL ROOM, AURANGABAD

(A Government of India Society, Ministry of MSME)

AN ISO 9001:2008, ISO 29990:2010, ISO 14001:2004, BS OHSAS 18001:2007, ISO 50001:2011 & ISO/IEC 17025:2005 CERTIFIED TOOL ROOM & TRAINING CENTRE

IGTR - CENTRE OF EXCELLENCE

- Tool Design
- CAD/CAM/CAE
- CNC Machining
- Quality Assurance
- CNC Programming
- Tool Manufacturing
- Project Management
- Welding Technology
- Conventional Machining
- Automation/ Mechatronics
- Computer Hardware/Networking
- Measuring Instrument Calibration
- CNC Machine Lin. Mov. Calibration Using Laser

IDEAS TO CONCEPTS - CONCEPTS TO REALIZATION

TRAINING CALENDAR 2015-16

Profile

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 the symbol of Indo-German co-operation aimed at promoting purposeful technical education for the youth in India. The organization was actively supported with generous assistance form the GTZ, development agency of Govt. of Germany, the Government of India and the State Government of Maharashtra. The organization implements its programme of technical training through its Training Centre located at Aurangabad and Extension Centres at Pune, Nagpur & Mumbai.

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 machines, 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.

ACTIVITIES

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

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 Pass Outs.
- Skilled Enhancement Courses For Industry Personnel.
- Skill Up-gradation Courses For Trainers From Institutes.
- Custom Designed Training Program's 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
- 3D Development with Scanner Measurements

Calibration Services

- Calibration Of Measuring Equipments (As Per ISO / IEC 17025:2005 Std.-NABL Accreditated 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

Training

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)	- CCMTR	
	Post Graduate Diploma in Tool Design & CAD / CAM	- PGDTD & CC	B.E. Graduates
	Post Graduate Diploma in Mechatronics	- PGDIM	
	Post Diploma in Tool Design & CAD / CAM	- PDTD & CC	BE / Diploma Graduates
	Post Diploma in Tool & Die Manufacturing	- PDTDM	
	Post Diploma In Computer Aided Engineering (Mfg.)	- PDCAE	
	Post Diploma in Mechatronics	- PDIM	
	Post Diploma in VLSI & Embedded System	- PDVLSI	
	Advance Certificate Course in Tool Design & CAD / CAM	- ACCTD & CC	ITI Pass Outs
	Advance Certificate Course in Tool & Die Manufacturing	- ACCTDM	
	Advance Certificate Course in CNC Machining	- ACCCM	
	Advance Certificate Course in Machine Maintenance	- ACCMM	
	Advance Certificate Course in Welding Operations	-ACCWO	
	Certificate Course in CNC Turning & Milling	- CCCTM	SSC Pass/Appeared
	Certificate Course in Tool & Die Making	- CCTDM	
	Certificate Course in Machine Tool & Welding Operations	- CCMT&WO	
	Certificate Course in Machine Maintenance & Welding Operations	- CCMM&WO	
MEDIUM TERM COURSES	Certificate Course in CNC Machine Operation -Lathe & Milling	- CCCMO(L&M)	SSC Pass Outs
	Certificate Course in CNC Machine Operation -Wire cut & EDM	- CCMO(W&E)	
	Certificate Course in CNC Machine Operations - Lathe	- CCCMO(L)	SSC Pass Outs/Appeared
	Certificate Course in CNC Machine Operations - Milling	- CCCMO(M)	
	Certificate Course in CAD & Quality Assurance	- CCCQA	12th Passouts/BSc.Graduates/ ITI
	Certificate Course in CNC Operations(Lathe/Milling/WEDM/EDM)	- CCCO	
	Master Certificate Course in Computer Aided Tool Engineering	- MCCATE	Full Time BE / Diploma / ITI
	Master Certificate Course in CAD/CAM	- MCCC	
	Master Certificate Course in Tool Design	- MCCTD	
	Master Certificate Course in Mechatronics	- MCCM	
	Master Certificate Course in CNC Technology	- MCCCT	
	Master Certificate Course in Welding Operations	- MCCWO	
	Certificate Course in Mechatronics	- CCM	Part Time BE / Diploma / ITI
	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	

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)

A. LONG TERM COURSES

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. 1,45,000/-
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. 1,20,000/-
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)

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. 58,000/-
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 / ITI / SSC Passouts / SSC Appeared

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

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 Manufactureing, CNC Programming & Machining.
Duration : 18 Months **Intake** : 30 **Course Fee** : Rs. 1,05,000/-
Eligibility : Degree in Engg. (Mech./Prod./ Automobile) or Equivalent

A 5. Post Graduate Diploma in Mechatronics(PGDIM)

Objectives : To be acquainted with Mechartronics system controls
To plan & Execute the automation solutions using PLC Programming Hydraulics & Pneumatics ,SCADA
Duration : 18 Months **Intake** : 30 **Course Fee** : Rs. 1,05,000/-
Eligibility : Degree in Engg. (Mech./Elec./ ETC/Instru) or Equivalent

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

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
Manufactureing, CNC Programming & Machining.
Duration : 12 Months **Intake** : 30 **Course Fee** : Rs. 70,000/-
Eligibility : Degree/Diploma in Engg. (Mech./Prod./ Automobile) or Equivalent

Note: New Batch will be started from First Monday of January, April, July & October of Calender Year

A. LONG TERM COURSES

Career Oriented Courses for BE / DIPLOMA / ITI / SSC Passouts / SSC Appeared

A 7. Post Diploma in Tool & Die Manufacturing (PDTDM)

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** : 20 **Course Fee** : Rs. 70,000/-

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

A 8. Post Diploma in Computer Aided Engineering (Mfg) (PDCAE)

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. 70,000/-

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

A 9. Post Diploma in Mechatronics(PDIM)

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

Duration : 12 Months **Intake** : 30 **Course Fee** : Rs. 70,000/-

Eligibility : Degree/Diploma in Engg. (Mech./Elec./ETC/Instru) or Equivalent

A 10. Post Diploma in VLSI & Embedded Systems

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.70,000/-

Eligibility : Degree/Diploma in Engg. (Mech./Elec./ETC/Instru) or Equivalent

A 11. Advance Certificate Course in Tool Design & CAD/CAM (ACCTD&CC)

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. 70,000/-

Eligibility : Diploma in Engg. (Mech./Prod.) or
I.T.I. (Machinist / Turner/Bench Fitter / Tool & Die Maker / Draftsman Mech.)

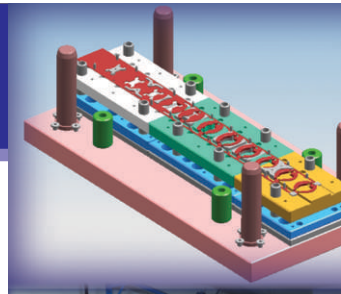
A 12 Advance Certificate Course in Tool & Die Manufacturing (ACCTDM)

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. 70,000/-

Eligibility : Diploma in Engg. (Mech./Prod.) or
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 Calender Year



A. LONG TERM COURSES

Career Oriented Courses for BE / DIPLOMA / ITI / SSC Passouts / SSC Appeared

A 13. Advance Certificate Course in CNC Machining (ACCCM)

Objectives : To be acquainted with CNC Machining Techniques using Latest CNC Machining Technology. To Programme & Handle CNC Machines (Lathe, Milling, Wire-cut & EDM) - live Projects

Duration : 12 Months **Intake** : 20 **Course Fee** : Rs. 60,000/-

Eligibility : Degree/Diploma in Engg. (Mech./Prod.) or I.T.I. (Machinist / Turner / Bench Fitter / Tool & Die Maker/Grinder)

A 14. Advance Certificate Course in Machine Maintenance (ACCMM)

Objectives : To be acquainted with CNC Machine Maintenance (Mechanical, Electrical, Electronics) with live projects on CNC Machine & Conventional Maintenance.

Duration : 12 Months **Intake** : 20 **Course Fee** : Rs. 40,000/-

Eligibility : Degree/Diploma in Engg. (Mech./Prod.) or I.T.I. (Machinist / Turner / Electrician / Tool & Die Maker /Electronics/MMTM/MMTR)

A 15. Advance Certificate Course in Welding Operation(ACCWO)

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** : 20 **Course Fee** : Rs. 60,000/-

Eligibility : I.T.I.(Turner / Fitter / Machinist / Welder)

A 16. Certificate Course in CNC Turning & Milling (CCCTM)

Objectives : To be acquinted with Manufacturing of Elements of Press Tools, Plastic Moulds, Jigs, Fixtures & Gauges, Die Casting Dies, etc. Using CNC Technology

Duration : 12 Months **Intake** : 20 **Course Fee** : Rs. 55,000/-

Eligibility : 10th Pass.

A 17. Certificate Course in Tool & Die Making (CCTDM)

Objectives : To be acquinted with Manufacturing of 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** : 20 **Course Fee** : Rs. 50,000/-

Eligibility : 10th Pass.

A 19. Certificate Course in Machine Tool Operations & Welding Operations (CCMT&WO)

Objectives : To be acquainted with Conventional Machine Operations & Basics Welding Operations like Gas Welding & Arc Welding

Duration : 12 Months **Intake** : 20 **Course Fee** : Rs. 30,000/-

Eligibility : 10th Pass / Appeared.

A 20. Certificate Course in Machine Maintenance & Welding Operations (CCMM&WO)

Objectives : To be acquainted with Conventional Machine Maintenance(Mechanical) & Basics Welding Operations like Gas & Arc Welding

Duration : 12 Months **Intake** : 20 **Course Fee** : Rs. 30,000/-

Eligibility : 10th Pass / Appeared.

Note: New Batch will be started from First Monday of February, May, August & November of Calender Year

B. MEDIUM TERM COURSES

SKILL DEVELOPMENT PROGRAMMES

B.1 : For SSC Passouts

B.1a Certificate Course in
CNC Machine Operations - LATHE & MILLING

- Workshop Technology
- Blue Print Reading
- Engineering Metrology
- Workshop Practice (Lathe & Milling)
- CNC Programming (Lathe & Milling)
- CNC Machining (Lathe & Milling)
- Live Projects - CNC Machining

Duration : 24 Weeks (8 hrs / day)
Course Fees : Rs. 20,000/-

B.1 b Certificate Course in
Machine Operations - WIRE CUT & EDM

- Workshop Technology
- Blue Print Reading
- Engg. Metrology.
- Workshop Practice (Lathe & Milling)
- CNC Programming (Wire Cut & EDM)
- CNC Machining (Wire Cut & EDM)
- Live Projects - CNC Machining

Duration : 24 Weeks (8 hrs / day)
Course Fees : Rs. 20, 000/

B.2 : For SSC (Pass / Appeared)

B.2 a Certificate Course in
CNC Machine Operations - LATHE

- Workshop Technology
- Blue Print Reading
- Engineering Metrology
- Workshop Practice (Lathe)
- CNC Programming (Lathe)
- CNC Machining (Lathe)
- Live Projects - CNC Machining

Duration : 24 Weeks (8 hrs / day)
Course Fees : Rs. 20,000/-

B.2 b Certificate Course in
Machine Operations - MILLING

- Workshop Technology
- Blue Print Reading
- Engg. Metrology.
- Workshop Practice (Milling)
- CNC Programming (Miling)
- CNC Machining (Miling)
- Live Projects - CNC Machining

Duration : 24 Weeks (8 hrs / day)
Course Fees : Rs. 20, 000/

B.3 : For 12th Passout / B.Sc. Graduates / ITI (Pass / Appeared)

B.3 a Certificate Course in
CAD & Quality Assurance

- Engineering Drawing
- Engineering Metrology
- CAD (Auto CAD)
- CAD (Solid Works)
- Quality Assurance
- Measurement Practices
- Live Projects - CAD & QA

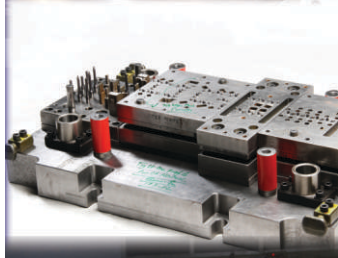
Duration : 24 Weeks (8 hrs/ day)
Course Fees : Rs. 30,000/-

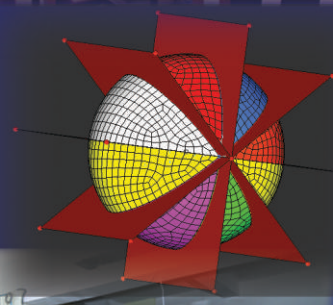
B.3 b Certificate Course in
CNC Operations (Lathe / Milling / WEDM/EDM)

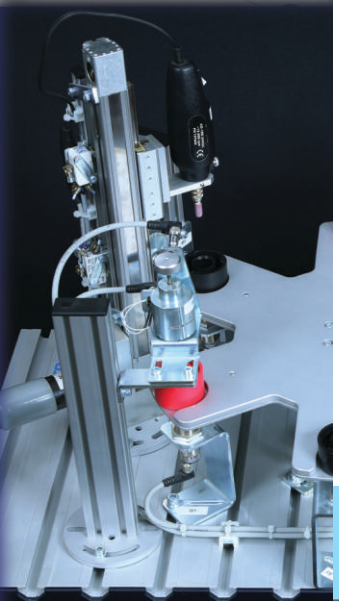
- Engineering Drawing.
- Engineering Metrology
- Material Specification & Testing.
- Workshop Technology.
- Workshop Practice.
- CNC Programming.
- CNC Mcng. Practice

Duration : 24 Weeks (8 hrs / day)
Course Fees : Rs. 30,000/-

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







B. MEDIUM TERM COURSES

SKILL DEVELOPMENT PROGRAMMES

B.4 : For BE / DIPLOMA / ITI

B.4 a Master Certificate Course in Computer Aided Tool Engineering

- Auto CAD, Solidworks, Master CAM(CAD /CAM)
- Unigraphics(CAD/CAM), Pro-E(CAD)
- Ansys(CAE), Hypermesh(CAE)
- Design of Press Tools, Design of Moulds
- Project Work

Duration : 24 Weeks (8 hrs / day)
Course Fees : Rs. 40,000/-

B.4 b Master Certificate Course in CAD/CAM

- Auto CAD, Soild Works(CAD)
- Unigraphics (CAD/CAM)
- Pro-E (CAD), CATIA (CAD)
- Ansys(CAE), Hypermesh(CAE)
- CNC Programming & Machining,
- Project Work

Duration : 24 Weeks (8 hrs / day)
Course Fees : Rs. 40,000/-

B.4 c Master Certificate Course in Tool Design

- Auto CAD, Solid works
- UG(CAD/CAM)
- Design of jigs & Fixtures, Press Tools, Moulds
- Design of Die Casting Dies
- Design of Cutting Tools, Project Work

Duration : 24 weeks (8 hrs / day)
Course Fees : Rs. 40,000/-

B.4 c Master Certificate Course in Welding Operation

- Introduction to Engineering Drawing, Meterial Science, Basic Electricals, Basic Welding Technology
- Conventional Workshop Bench lathe Drilling
- Arc , Gas , MIG/MAG ,TIG Welding

Duration : 24 weeks (8 hrs / day)
Course Fees : Rs. 40,000/-

B.4 d Master Certificate Course in Mechatronics

- Applied Industrial Pneumatics & Hydraulics
- Mechanical Engineering Machining Process
- PLC Programing
- Mechatronics Technology
- Project Work

Duration : 24 weeks (8 hrs / day)
Course Fees : Rs. 40,000/-

B.4 e Master Certificate Course In CNC Technology

- Conventional Machine Operation(Lathe & Milling)
- CNC Programing (Lathe & Milling - Fanuc series)
- Master CAM
- Del CAM
- CNC Machining (Lathe & Milling)

Duration : 24 weeks (8 hrs / day)
Course Fees : Rs. 40,000/-

B.5 : For BE / DIPLOMA / ITI (Part Time Courses)

B.5 a Certificate Course in Mechatronics

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

Duration : 24 Weeks (4 hrs / day)
Course Fees : Rs. 25,000/-

B.5 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.5 c 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.5 d 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.5 e Certificate Course in Tool Design & CAD/CAM

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

Duration : 48 weeks (4 hrs / day)
Course Fees : Rs.50,000/-

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

C. SHORT TERM COURSES

For Students / Institutes Professionals & Industrial Professionals

C.1 CAD / CAM / CAE AND CNC PROG. SOFTWARE

C.1 a Auto CAD (Mech/Civil)
- Creating Objects
- Editing Objects
- Layers, Colours & Line Types
- Dimensioning & Tolerancing
- Blocks, Attributes & X - REF
- Layout, Plotting & Priting
- 3D Modeling

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

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. 4,000/-

C.1 c ELECTRICAL- CAD
- Introduction - Auto Desk Electrical CAD
- Work Awareness, Tool Bars & Palets Insert Component Working With Project Mgr.
- Layers, Texts, Wires & Ladders, Trim, Parent Child, Component Discussion
- Multiple Wire Bus & Edit Component

Duration : 72 Hrs (3 Weeks, 4 Hrs / Day)
Course Fees : Rs. 4,000/-

C.1 d Solidworks (CAD)
- Sketcher
- Part Design
- Surfacing
- Drafting
- Assembly
- Simulation

Duration : 72 Hrs (3 weeks, 4 hrs / day)
Course Fees : Rs. 5,000/-

C.1 e CATIA (CAD)
- Introduction to CATIA
- Sketcher Workbench
- Part Design Workbench
- Wire Frame & Surface Disgin
- Assembly Design Workbench
- Generative & Interactive Drafting

Duration : 96 Hrs (4 weeks, 4 hrs / day)
Course Fees : Rs. 7000/-

C. 2 f PRO-E /CREO PARAMETRIC(CAD)
- Introduction to Pro - E/CREO PARAMETRIC
- Fundamentals of Pro - E/CREO PARAMETRIC
- Sketcher
- Part Modeling
- Pro Surface
- Assembly Modeling
- Detailing

Duration : 96 Hrs (4 weeks, 4 hrs / day)
Course Fees : Rs. 7000/-

C.1 g 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.10,000/-

C.1 h 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. 10,000/-

C.1 i 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. 10,000/-

C.1j 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. 5000/-

C.1 k 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 : Rs7,000/-

C.1 l DELCAM (CAD / CAM) / FEATURE 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. 5000/-

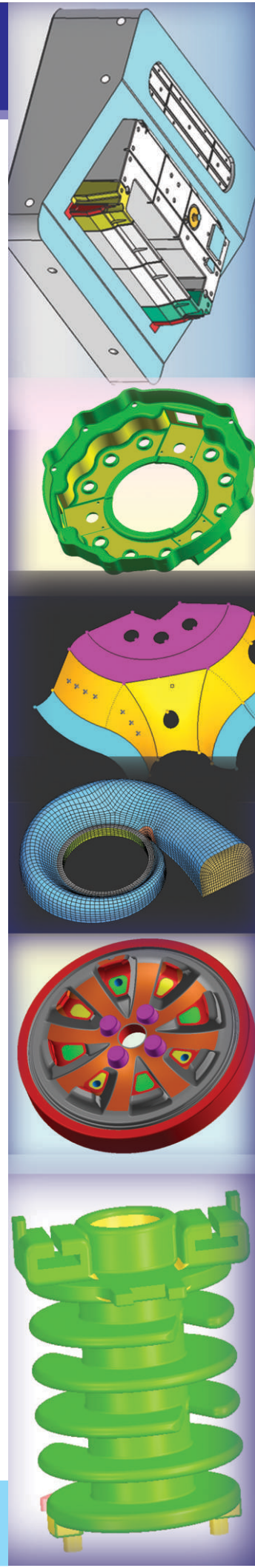
C.1 m DELCAM - 5 AXIS MACHINING
- 2D Drafting
- Wire Frame Modeling
- Surface Modeling
- Tool Path Generation (5 Axis Machining)
- Transfer To Machine / Post Processing

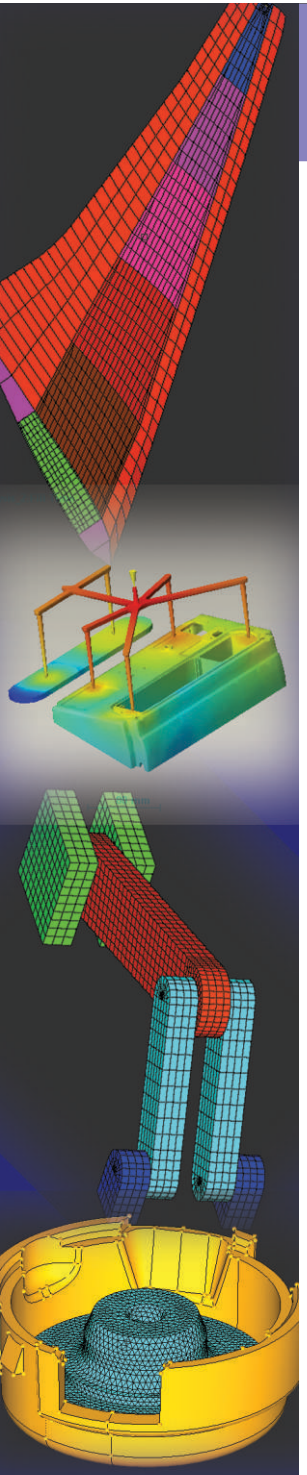
Duration : 96 Hrs. (4 weeks, 4 hrs/ day)
Course Fees : Rs. 8000/-

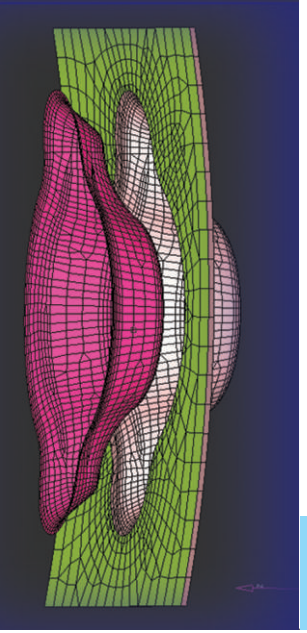
C.1 n ANSYS (CAE)
- Introduction to FEA
- Ansys Basics
- Different types of Interfaces
- Structural Analysis
- Thermal Analysis
- Model Analysis

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

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







C. SHORT TERM COURSES

For Students / Institutes Professionals & Industrial Professionals

C.1 o 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. 8,000/

C.1 p HYPERMESH (CAE)
- Introduction to FEA, Hypermesh
- Geometry Creation
- 2D Meshing, 3D Meshing
- Mesh Analysis
- Optistruct
- Introduction to Hyperform / Hyper - View

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

C.1 q NASTRAN(CAE)
- Introduction
- Linear / Non linear Statics Analysis
- Buckling Analysis
- Heat Transfer / Analysis
- Contact Analysis
- Spot weld Analysis

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

C.1 r STAAD PRO(CAE-CIVIL)
- Basic concept of 2D & 3D Drawings
- Creation of Geometry
- Beams, Columns and Plates
- Supports & Their properties
- Loading System
- Analysis of Concrele
- Editing of System

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

C.1 s REVIT (CAE-CIVIL)
- Creating Grids
- Basic Building modeling & Component
- Viewing of Building Model
- Dimension Constraint & Development of Building
- Detailing & Model Documentation of Building
- Construction Documentation
- Parametric Building Model with Details

Duration : .72 Hrs (3 weeks, 4hrs / day)
Course Fees : Rs.8000/-

C.1 t MOLDEX-3D
- 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.8000/-

C.2 CNC PROGRAMMING / CNC MACHINING

C.2 a CNC Programming - Lathe (ISO /FANUC/SINUMERIK)
- Introduction to CNC Tech.
- Geo. Basics for CNC M/c
- Tech.l Basics for CNC M/c
- CNC Programming

Duration : 72 Hrs.
(3 weeks, 4 hrs / day)
Course Fees : Rs. 6000/-

C.2 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 : 72 Hrs.
(3 Weeks, 4 hrs / day)
Course Fees : Rs. 6000/-

C.2 c Int. Course in CNC Technology (ISO/FANUC/SINUMERIK/HADENHEIN)
- Introduction to CNC Tech.
- Geo. & Tech. Basics for CNC M/c
- CNC Programming & Machining (Lathe & Milling)

Duration : 144 Hrs.
(3 Weeks, 4 hrs / day)
Course Fees : Rs. 20000/-

C.2 d 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 : 72 Hrs.
(3 weeks , 4 hrs / day)
Course Fees : Rs. 7000/-

C.2 e CNC Machining - Milling
- Programing for CNC Milling
- Preparing & Setting for Operation
- Setup of Tools
- Radial & Axial Offset Values
- Test Run Simulation
- Execution of the Part Program

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

C.2 f CNC Operations - (Lathe & Milling) (ISO/FANUC/SINUMERIK/HADENHEIN)
- Introduction to CNC Tech.
- Geo. & Tech. Basics for CNC M/c
- CNC Programming & Machining (Lathe & Milling)

Duration : 144 Hrs.
(3 Weeks, 4 hrs / day)
Course Fees : Rs. 14000/-

C.2 g 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. 7000/-

C.2h CNC Machining - EDM
- Prog. of the Part Program
- Preparation Tech. for Operation
- Setting up of EDM Machine
- Simulation wi Dry Run
- Execution of the part program

Duration : 72 Hrs.
(3 weeks, 4 hrs / day)
Course Fees : Rs. 7000/-

C.2 i CNC Operations - (WEDM & EDM)
- Introduction to CNC Tech.
- Geo. & Tech. Basics for CNC M/c
- CNC Programming & Machining (Wire Cut & EDM)

Duration : 144 Hrs.
(3 Weeks, 4 hrs / day)
Course Fees : Rs. 14000/-

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

C. SHORT TERM COURSES

For Students / Institutes Professionals & Industrial Professionals

C.3 TOOL DESIGN

C.3 a Press Tool Design using Cimatron
- Blank Development Simple to complex parts
- Transfer and Progressive Nesting
- Compound Tool Design
- Progressive 3D Tool Design
- Motion Aalysis, BOM and Drafting (Part and Assembly)

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

C.3 b Moulds Design using Cimatron
- Core Cavity Extraction (Simple to Complex)
- Inserts management
- Electrode management
- 3D Mould Design
- Motion Analysis, BOM and Drafting (Part and Assembly)

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

C.3 c Die Casting Dies using Cimatron
- Cover and Ejector Die halves design
- Electrode management
- 3D Die Casting Die
- Motion Analysis, BOM and Drafting (Part and Assembly)

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

C.3 d Design of jigs & Fixture
- 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. 7000/-

C.3 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. 7000/-

C.3 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. 7000/-

C.4 GENERAL ENGINEERING

C.4 a Geometric Dimensioning & Tolerances
- Introduction to G D &T
- G D & T Symbols & Their Industrial Applications.
- Classification.
- Concept of Limits , Fits &Tolerances.
- Application of Limits , Fits &Tolerances.

Duration : 24 Hrs. (1 week , 4 hrs / day)
Course Fees : Rs. 4000/-

C.4 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. 4000/-

C.4 c Basic Course in CMM
- Introduction
- Principle of Working
- Application & use

Duration : 24 Hrs (1 week, 4 hrs / day)
Course Fees : Rs. 6000/-

C.5 AUTOMATION

C.5 a 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. 3,000/-

C.5 b 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. 3,000/

C.5 c 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. 4,000/-

C.5 d Electro Pneumatics
- Introduction
- Fundamental Principles
- Energy Supply Elements
- Directional Control Valves
- Circuit Design & Application

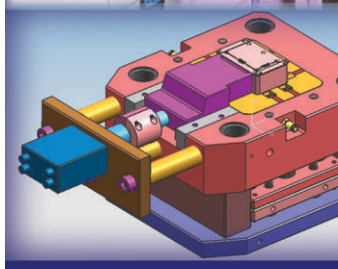
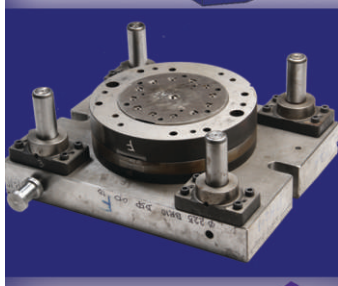
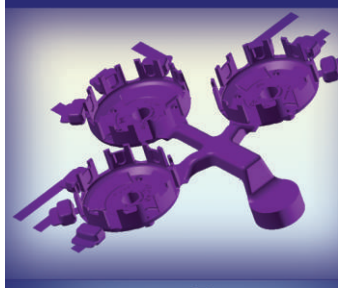
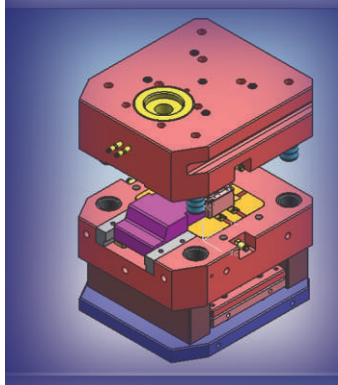
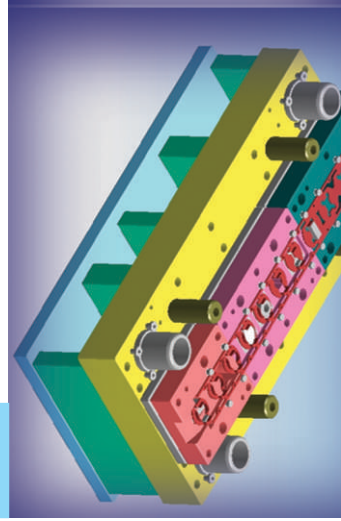
Duration : 24 Hrs (1 week, 4 hrs / day)
Course Fees : Rs. 4,000/-

C.5 e 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. 5,000/-

C.5 f PLC Programming
- Introduction of Industrial Automation
- Details of PLC Hardware (SIMENS & Allen Bradly)
- Programming Language
- Downloading Programme
- Interfacting between PLC & Various Field Devices

Duration : 96 Hrs (4 weeks, 4hrs / day)
Course Fees : Rs. 7,000/-

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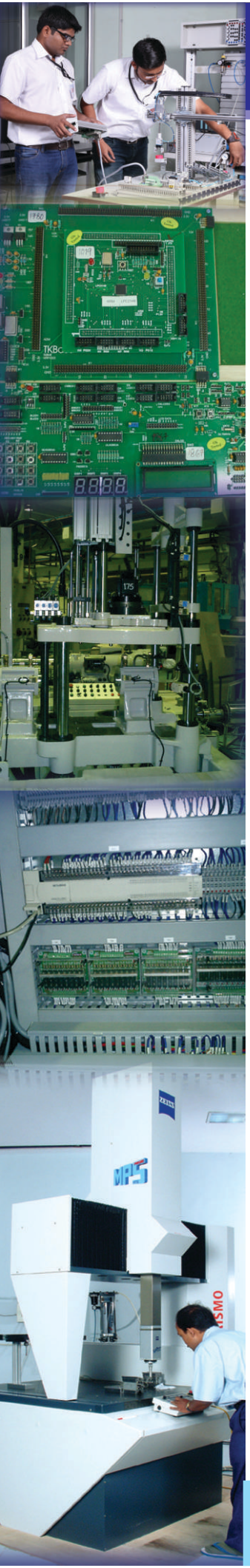


C. SHORT TERM COURSES

For Students / Institutes Professionals & Industrial Professionals

C.5 g SCADA
- Introduction of Industrial Automation
- Creating a New SCADA Application
- Details of Process tags & Internal tags
- Creating a Process control window with all applications

Duration : 96 Hrs (4 weeks, 4hrs / day)
Course Fees : Rs. 7,000/-

C.5 h VLSI
- Introduction to VLSI
- Basics Of Digital Electronics In Front End Design
- 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, 4hrs / day)
Course Fees : Rs. 7,000/-

C.5 i BASIC MECHATRONICS
- PLC Programming,
- Basic Pneumatics
- Electro Pneumatics,
- Mechatronics Projects Kits

Duration : 192 Hrs(8weeks,4hrs/day)
Course Fees : Rs. 15,000/-

C.5 j EMBEDDED SYSTEMS
- Introduction to Embedded Systems
- Basics Of Digital Electronics
- Basics Of 'C' Language
- Test Equipment
- Introduction To Arm7
- LPC 2148 Programming
- Internal Peripherals Of LPC 1248
- Live Practice: On Demo Boards

Duration : 96 Hrs (4 weeks, 4hrs / day)
Course Fees : Rs. 7,000/-

C.5 k MATLAB
- Introduction to MATLAB
- Parallel Computing
- Control System Design & Analysis
- Signal Processing & Communication
- Test & Mesurement
- Code Generation & Verification
- Application Database Connectivity & Reporting

Duration : 72 Hrs (3 weeks, 4hrs / day)
Course Fees : Rs. 8000/-

C.5 l Automation with Pneumatics Using PLC

BASIC, ELECTRO, ADVANCE PNEUMATICS:
- Introduction
- Fundamental Principles
- Energy Supply Elements
- Directional Control Valves
- Fundamentals of Control Engineering
- Circuit Design & Application

PLC :
- Introduction of Industrial Automation.
- Details Of PLC Hardwade (Siemens & Allen Bradly)
- Programming Languages
- Downloading Programme.
- Interfacing Between PLC & Various Field Devices...

Duration :144 Hrs (6 weeks, 4hrs / day)
Course Fees : Rs. 12,000/-

C.5 m Automation with Hyd. Using PLC

BASIC, ELE., ADV. HYDRAULICS:
- Introduction
- Fundamental Principles
- Energy Supply Elements
- Directional Control Valves
- Fundamentals of Control Engineering
- Circuit Design & Application

PLC :
- Introduction of Industrial Automation
- Details Of PLC Hardwade (Siemens & Allen Bradly)
- Programming Lanuages
- Downloading Programme.
- Interfacing PLC & Various Field Devices..

Duration : 144 Hrs (6 weeks, 4hrs / day)
Course Fees : Rs. 12,000/-

C.6 WELDING

C.6 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. 5,000/-

C.6 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. 5,000/-

C.6 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. 10,000/-

C.6 d TIG WELDING
- Introduction to TIG Welding
- Welding Positions
- TIG Welding Process

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

C.6 e INTRGRATED COURSE IN WELDING
- Introduction to Welding
- Int. to Welding Electrodes & Machines
- Welding Operations Gas & Arc Welding

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

C.6 f Basic Welding
- Conventional Workshop,
- Arc Welding
- Gas Welding

Duration : 288 Hrs.12 Weeks (4 hrs / day)
Course Fees : Rs. 20,000/

C.6 g Advance Welding
- MIG Welding
- MAG Welding
- TIG Welding

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

C-7. REPAIRS & MAINTENANCE OF ELECTRICAL & ELECTRONIC GADGETS

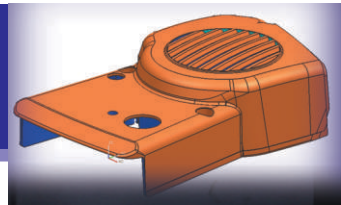
C.7 a HAND HELD PRODUCTS(HHP)
(Tablets, Mobile Phone, Smart Phone etc.)
- Introduction to Technology
- Working Principles
- Structures
- Types of Technologies
- Assembly & Disassembly
- Repair, Maint. & Trouble Shooting

Duration : 288 Hrs. (12 Weeks 8 Hrs /day)
Course Fees : Rs. 15,000/-

C.7 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/-

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



C.7 c ROOM AIR CONDITIONER (RAC)
(Spilt AC)
- 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.7 d HOME APPLIANCES(HA)
(Refrigrator, Washing M/c,Oven etc..)
- Introduction to Technology
- Working Principles
- Structures
- Types of Technologies
- Assembly & Disassembly
- Repair,Maint. & Trouble Shooting

Duration : 288 Hrs. (12Weeks 4 Hrs./ day)
Course Fees : Rs. 20,000/-

For Students / Institutes Professionals & Industrial Professionals

C-8. COMPUTER HARDWARE MAINTENANCE & ADVANCE NETWORKING

B.1 a Computer Hardware Maint. & Networking
- Introduction to Operating Systems
- Computer Peripherals
- Memory And Storage
- Assembly and Trouble Shooting
- Introduction to Networking

Duration : 144 Hrs.(12 Weeks 2 hrs/day)
Course Fees : Rs. 12,000/-

B.1 b Traininig Program for MCSE/MCSA Server 2012
- Installing and Configuring & Administering Windows Server 2012(70-410), 2012(70-411) Adv.WindowsServer2012(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/

B.1 c Trg. Program for CISCO Certified Network Associate
- Introduction to Wide Area Network
- Inter Network Operating System
- IP Routing (Static & Dynamic),LAN Switching, IPV4,IPV6, STP, PVSTP & RSTP,
- Virtual Private Network - VPN,Redundancy Protocols, Network Monitoring tools, NAT &PAT,CISCO Express Forwarding
- Network Device Security & Troubleshooting

Duration : 144 Hrs.(12 Weeks 2 hrs/day)
Course Fees : Rs. 12,000/

B.1 d. 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)
- Net work Infrastructure,Windows Server and it's Env.
- Installing and Configuring Domain,Active Directory, File Server, DHCP Server, Web Server,Policies and Security Routing and Remote Access, Terminal Services
- Server Backup/Microsoft Exchange Server Switching and Routing, Access points, Wi- Fi Conf. and Networking

Duration : 144 Hrs.(12 Weeks 2 hrs/day)
Course Fees : Rs. 12,000/

CUSTOM DESIGNED / TAILOR MADE COURSES
COURSES FOR FOREIGN NATIONALS

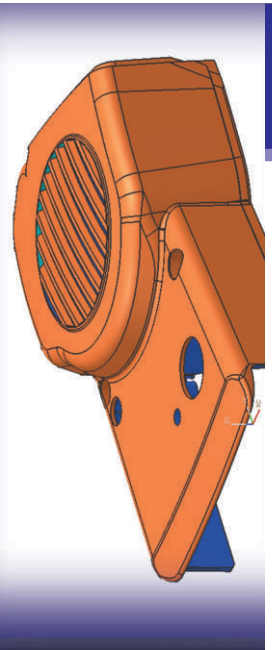
SPECIAL TRAINING PROGRAMME DESIGNED & CONDUCTED : FOR FOREIGN NATIONALS

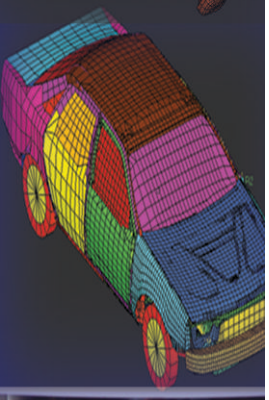
COURSE	DURATION	COURSE	DURATION
ADVANCE COURSE IN TOOL MFRG. & CAD / CAM	24 WEEKS	ADVANCE COURSE IN TOOL DESIGN & MFRG.	08 WEEKS
ADVANCE COURSE IN CNC MACHINING (MILLING)	24 WEEKS	ADVANCE COURSE IN CNC MACHINING (WIRE CUT)	24 WEEKS
POST DIPLOMA IN TOOL DESIGN & MFRG.	12 WEEKS	ADVANCE COURSE IN DIE & MOULD MFRG. TECH.	08 WEEKS
DIE & MOULD MFRG. TECHNOLOGY	06 WEEKS	COURSE IN CNC PROGRAMMING & MACHINING	12 WEEKS

FOR INDUSTRIAL PROFESSIONALS

SPECIAL TRAINING PROGRAMME DESIGNED & CONDUCTED : INDUSTRIAL PROFESSIONALS

COURSE	DURATION	COURSE	DURATION
INT. COURSE IN CAD / CAM / CAE	12 WEEKS	CONV. MACHINE OPERATIONS	08 WEEKS
BASIC PRACTICES IN FORGING DIE MFG	06 WEEKS	B/W FIXTURE MFG.	02 WEEKS
TOOL/DIE DESIGN & MFG.	02 WEEKS	CNC PROG. & MACHINING (VMC)	05 WEEKS
CNC MILLING & DRILLING OPERATIONS	01 WEEKS	CNC LATHE & MILLING OPERATIONS	02 WEEKS
INTEGRATED COURSE IN CAD	04 WEEKS	TOOL DESIGN	06 WEEKS
CONV. MACHINE OPERATIONS (Grinding)	08 WEEKS	TOOL DESIGN BASICS (INJ. MOULDDESIGN)	01 WEEK
BASIC HYDRAULICS	01 WEEK	BASIC PNEUMATICS	01 WEEK
ELECTRO HYDRAULICS	01 WEEK	ELECTRO PNEUMATICS	01 WEEK





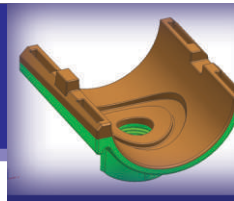
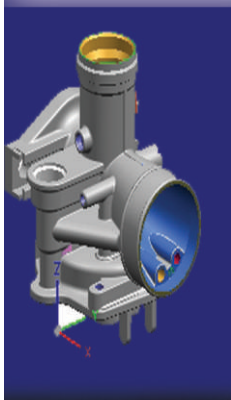
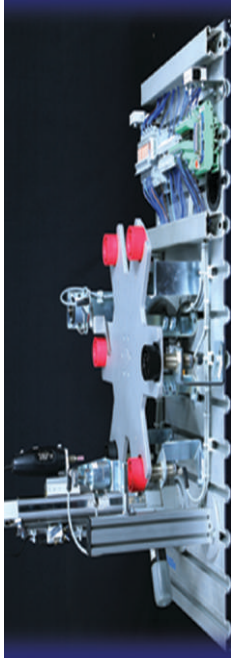
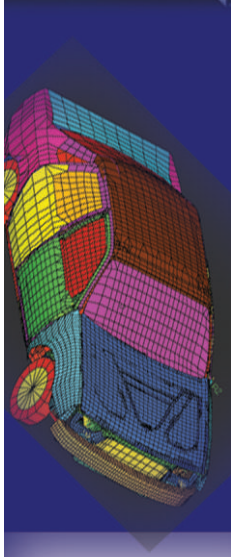
VACATION COURSES FOR ENGINEERING STUDENTS

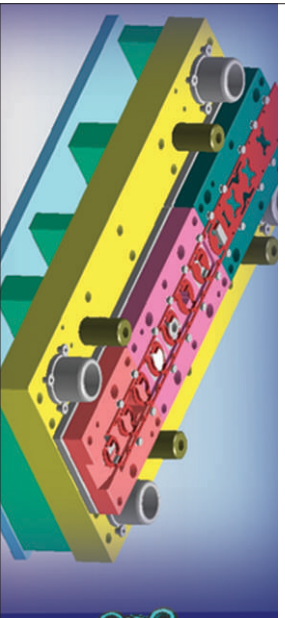
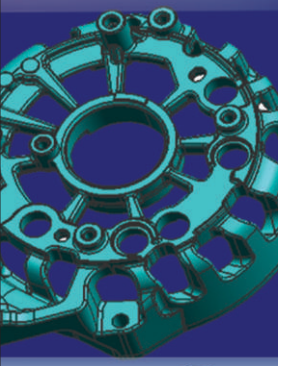
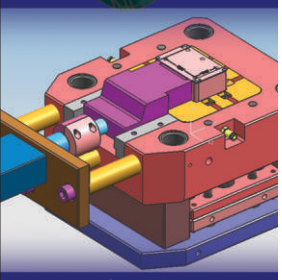
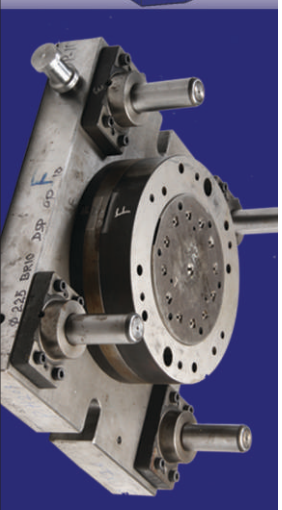
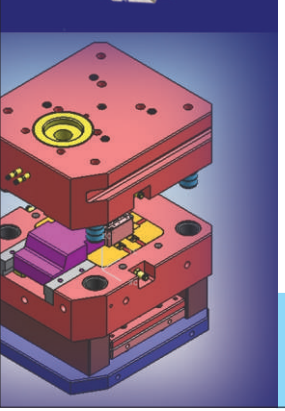
S.N.	AREA	COURSE	DURATION	COURSE FEES	STARTING DATES	WINTER STARTING DATE
	CAD	AUTO CAD(Meh.)/ELECTRICAL CAD-ANYONE	15 DAYS (5 HRS/DAY)	RS.4000/-	27/04/2015 14/05/2015 01/06/2015 18/06/2015 06/07/2015 23/07/2015	02/11/2015 19/11/2015 07/12/2015 24/12/2015 11/01/2016 28/01/2016
		SOLIDWORKS	15 DAYS (5 HRS/DAY)	RS. 5000/-		
		UNIGRAPHICS (CAD)	15 DAYS (6 HRS/DAY)	RS. 10000/-		
		CATIA (CAD)	15 DAYS (6 HRS/DAY)	RS. 7000/-		
		CREO PARAMERTRIC (PRO-E CAD)	15 DAYS (6 HRS/DAY)	RS. 7000/-		
		CIMATRON (CAD/CAM)	15 DAYS (6 HRS/DAY)	RS. 7000/-		
2	CAM	UNIGRAPHICS (CAM)	15 DAYS (6 HRS/DAY)	RS. 10000/-		
		MASTER CAM (CAD & CAM)	15 DAYS (5 HRS/DAY)	RS. 5000/-		
		DELCAM (CAD & CAM)	15 DAYS (5 HRS/DAY)	RS. 5000/-		
3	CAE	ANSYS	15 DAYS (5 HRS/DAY)	RS. 8000/-		
		HYPERMESH	15 DAYS (5 HRS/DAY)	RS. 8000/-		
		COMPUTATIONAL FLUID DNYAMICS USING ANSYS FLUNT/CFX	15 DAYS (5 HRS/DAY)	RS. 10000/-		
4	CNC PROGRAMMING	CNC PROGRAMMING - LATHE (ISO/FANUC/SINUMERIK/HADENHEIN-ANYONE)	15 DAYS (5 HRS/DAY)	RS. 6000/-		
		CNC PROGRAMMING - MILLING (ISO/FANUC/SINUMERIK/HADENHEIN-ANYONE)	15 DAYS (5 HRS/DAY)	RS.6000/-		
5	CNC MACHINING	CNC MACHINING - LATHE	15 DAYS (5 HRS/DAY)	RS. 7000/-		
		CNC MACHINING - MILLING	15 DAYS (5 HRS/DAY)	RS. 7000/-		
		CNC MACHINING - WIRECUT	15 DAYS (5 HRS/DAY)	RS. 7000/-		
		CNC MACHINING - EDM	15 DAYS (5 HRS/DAY)	RS. 7000/-		
6	HYDRAULICS & PNEUMATICS	BASIC HYDRAULICS	6 DAYS (4 HRS/DAY)	RS. 3000/-	27/04/15, 25/05/15 22/06/15, 20/07/15	02/11/15,01/12/16 28/12/15,26/01/16
		BASIC PNEUMATICS	6 DAYS (4 HRS/DAY)	RS. 3000/-		
		ELECTRO HYDRAULICS	6 DAYS (4 HRS/DAY)	RS. 4000/-	04/05/15, 01/06/15 31/06/15, 27/07/15	09/11/15,07/12/15, 04/01/16,01/02/16
		ELECTRO PNEUMATICS	6 DAYS (4 HRS/DAY)	RS. 4000/-		
		ADVANCE HYDRAULICS	6 DAYS (4 HRS/DAY)	RS. 5000/-	11/05/15, 08/06/15 06/07/15, 03/08/15	16/11/15,14/12/15 11/01/16,08/02/16
		ADVANCE PNEUMATICS	6 DAYS (4 HRS/DAY)	RS. 5000/-		
7	AUTOMATION	PLC PROGRAMMING	15 DAYS (6 HRS/DAY)	RS. 7000/-	27/04/15, 14/05/15 01/06/15, 18/06/15 06/07/15, 23/07/15	03/11/15,19/11/15 07/12/15,24/12/15 11/01/16,28/01/16
		SCADA	15 DAYS (6 HRS/DAY)	RS. 7000/-		
		VLSI	15 DAYS (6 HRS/DAY)	RS. 7000/-		
		EMBEDDED SYSTEM	15 DAYS (6 HRS/DAY)	RS. 7000/-		
		AUTOMATION WITH PNEUMATICS USING PLC	24 DAYS (6 HRS/DAY)	RS. 12000/-	27/04/15,01/06/15 06/07/15	03/11/15,07/12/15, 11/01/16
		BASIC MECHATRONICS	30 DAYS (6 HRS/DAY)	RS. 15000/-		
8	TOOL DESIGN & ANALYSIS	PRESS TOOL DESIGN USING HYPER FORM / MOULD DESIGN USING MOLDEX 3D - ANYONE	15DAYS (5 HRS/DAY)	RS. 10000/-	29/04/15,27/0515 24/06/15,22/07/15	03/11/15,01/12/15 29/12/15,26/01/16
		PRESS TOOL /MOULD / DIE CASTING DIE DESIGN USING CIMATRON-ANYONE	15 DAYS (5HRS/DAY)	RS. 10000/-		
9	GENRAL ENGINEERING	GD & T /BASIC METROLOGY-ANYONE	6 DAYS (4 HRS/DAY)	RS. 4000/-	27/04/2015 14/05/2015 01/06/2015 18/06/2015 06/07/2015 23/07/2015	02/11/2015 19/11/2015 07/12/2015 24/12/2015 11/01/2016 28/01/2016
		BASIC OF CMM	6 DAYS (4 HRS/DAY)	RS. 6000/-		
10	CIVIL ENGINEERING	AUTO CAD (CIVIL)	15 DAYS (5 HRS/DAY)	RS. 4000/-		
		STAAD PRO	15 DAYS (5 HRS/DAY)	RS. 8000/-		
		REVIT ARCHITECTURE	15 DAYS (5 HRS/DAY)	RS. 8000/-		
		3DS-MAX	15 DAYS (5 HRS/DAY)	RS. 8000/-		
11	INTEGRATED COURSE IN	**CAD** (AUTOCAD,SOLIDWORKS,PRO-E))	45 DAYS (5 HRS/DAY)	RS.15000/-		
		ADVANCE CAD (SOLIDWORKS,CATIA & PRO-E)	45 DAYS (6 HRS/DAY)	RS.17500/-		
		CAM (CNC PROGRAMMING, MASTER CAM & DELCAM)	45 DAYS (5 HRS/DAY)	RS.14500/-		
		ADVANCE CAM (MASTERCAM, DELCAM & UNIGRAPHICS CAM)	45 DAYS (6 HRS/DAY)	RS.18000/-		
		CAE (PRO-E, ANSYS & HYPERMESH)	45 DAYS (5 HRS/DAY)	RS.20000/-		
		CAD/CAM (AUTOCAD, MASTERCAM & DELCAM)	45 DAYS (5 HRS/DAY)	RS.13000/-		
		ADVANCE CAD/CAM (MASTERCAM, DELCAM & UNIGRAPHICS (CAD))	45 DAYS (6 HRS/DAY)	RS.18000/-		
		CAD/CAM/CAE (CATIA, MASTERCAM & HYPERMESH)	45 DAYS (6 HRS/DAY)	RS.18000/-		
		PNEUMATICS,PLC PROGRAMMING & SCADA	45 DAYS (6 HRS/DAY)	RS.18000/-		
		PLC PROGRAMMING,EMBEDDED SYSTEM & VLSI	45 DAYS (6 HRS/DAY)	RS.19000/-		

INDO GERMAN TOOL ROOM, AURANGABAD, EXTENSION CENTRE - PUNE

TRAINING PROGRAMMES 2015-16

TYPE		AREA	THE COURSE	FULL TIME/ PART TIME	HRS/ DAYS	DURATION	COURSE COMMENCEMENT	COURSE FEE (Rs.)
SHORT TERM COURSES		(CAD/CAM/CNC/PLC)	INTEGRATED COURSE IN CAD (AUTOCAD, SOLIDWORKS & PRO-E)	PT	5	45 Days	Note : New batches will be started from First & Third Monday of every month	15,000/-
			INTEGRATED COURSE IN ADVANCE CAD (SOLIDWORKS, CATIA & PRO-E)	PT	6	45 Days		17,500/-
			INTEGRATED COURSE IN CAM (CNC PROGRAMMING, MASTER CAM & DELCAM)	PT	5	45 Days		14,500/-
			INTEGRATED COURSE IN ADVANCE CAM (MASTERCAM, DELCAM & UNIGRAPHICS CAM)	PT	6	45 Days		18,000/-
			INTEGRATED COURSE IN CAD/CAM (AUTOCAD, MASTERCAM & DELCAM)	PT	5	45 Days		13,000/-
			INTEGRATED COURSE IN ADVANCE CAD/CAM (MASTERCAM, DELCAM & UNIGRAPHICS CAD)	PT	6	45 Days		18,000/-
			INTEGRATED COURSE IN PNEUMATICS, PLC PROGRAMMING & SCADA	PT	6	45 Days		18,000/-
			INTEGRATED COURSE IN PLC PROGRAMMING, EMBEDDED SYSTEM & VLSI	PT	6	45 Days		19,000/-
			AutoCAD(CAD)	PT	4	72 Hrs		4,000/-
			Solidworks(CAD)	PT	4	72 Hrs		5,000/-
			CATIA(CAD)	PT	4	96 Hrs		7,000/-
			Pro-E(CAD)	PT	4	96 Hrs		7,000/-
			Unigraphics(CAD)	PT	4	96 Hrs		10,000/-
			Unigraphics(CAM)	PT	4	96 Hrs		10,000/-
			Master CAM(CAD/CAM)	PT	4	72 Hrs		5,000/-
			DELCAM(CAD/CAM)	PT	4	72 Hrs		5,000/-
			CNC PROGRAMMING	PT	4	96 Hrs		6,000/-
			PLC PROGRAMMING	PT	4	96 Hrs		7,000/-
		TOOL DESIGN	Design of Jigs & Fixtures	FT	8	4 Weeks		10,000/-
			Design of Press Tools	FT	8	8 Weeks		20,000/-
			Design of Moulds	FT	8	8 Weeks		20,000/-
			Design of Die Casting Dies	FT	8	6 Weeks		15,000/-
LTC(B)	FULL TIME	TOOL DESIGN/CAD/CAM/CAE	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 Calender Year	1,05,000/-
			Post Diploma in Tool Design & CAD/CAM	FT	8	12 Months		70,000/-
			Advance Certificate Course in Tool Design & CAD/CAM	FT	8	12 Months		70,000/-
MTC	FULL TIME		Master Certificate Course in Tool Design	FT	8	06 Months	Note : New batches will be started from First Monday of every month	40,000/-
			Master Certificate Course In Computer Aided Tool Engg.	FT	8	06 Months		40,000/-
			Master Certificate Course In CAD/CAM	FT	8	06 Months		40,000/-
			Certificate Course In CAD & Quality Assurance	FT	8	06 Months		30,000/-
	PART TIME		Certificate Course in Tool Design & CAD/CAM	PT	4	12 Months		50,000/-
			Certificate Course in Tool Design	PT	4	06 Months		25,000/-
			Certificate Course in CAD/CAM	PT	4	06 Months		25,000/-

Training Programmes

INDO GERMAN TOOL ROOM, AURANGABAD, EXTENSION CENTRE - NAGPUR

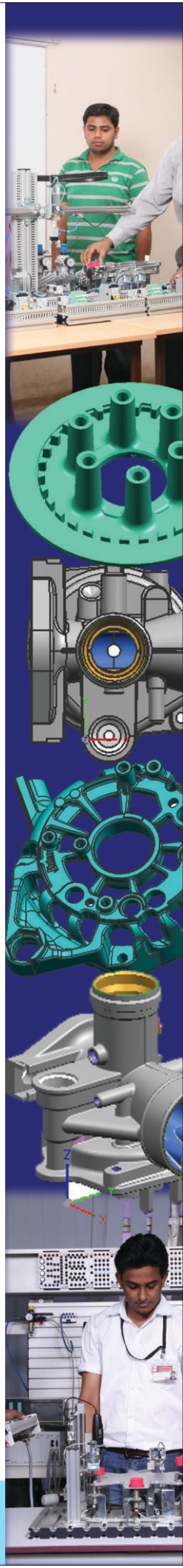
TRAINING PROGRAMMES 2015-16

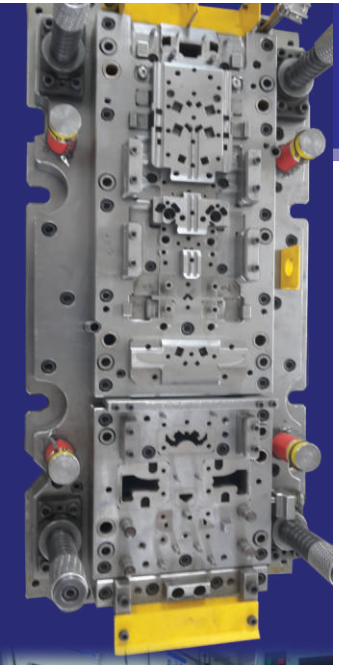
TYPE	AREA	THE COURSE	FULL TIME/ PART TIME	HRS/ DAYS	DURATION	COURSE COMMENCEMENT	COURSE FEE (Rs.)
SHORT TERM COURSES	(CAD/CAM/CNC/PLC)	INTEGRATED COURSE IN CAD (AUTOCAD, SOLIDWORKS & PRO-E)	PT	5	45 Days	Note : New batches will be started from First & Third Monday of every month	15,000/-
		INTEGRATED COURSE IN ADVANCE CAD (SOLIDWORKS, CATIA & PRO-E)	PT	6	45 Days		17,500/-
		INTEGRATED COURSE IN CAM (CNC PROGRAMMING, MASTER CAM & DELCAM)	PT	5	45 Days		14,500/-
		INTEGRATED COURSE IN ADVANCE CAM (MASTERCAM, DELCAM & UNIGRAPHICS CAM)	PT	6	45 Days		18,000/-
		INTEGRATED COURSE IN CAD/CAM (AUTOCAD, MASTERCAM & DELCAM)	PT	5	45 Days		13,000/-
		INTEGRATED COURSE IN ADVANCE CAD/CAM (MASTERCAM, DELCAM & UNIGRAPHICS CAD)	PT	6	45 Days		18,000/-
		INTEGRATED COURSE IN PNEUMATICS, PLC PROGRAMMING & SCADA	PT	6	45 Days		18,000/-
		INTEGRATED COURSE IN PLC PROGRAMMING, EMBEDDED SYSTEM & VLSI	PT	6	45 Days		19,000/-
		AutoCAD(CAD)	PT	4	72 Hrs		4,000/-
		Solidworks(CAD)	PT	4	72 Hrs		5,000/-
		CATIA(CAD)	PT	4	96 Hrs		7,000/-
		Pro-E(CAD)	PT	4	96 Hrs		7,000/-
		Unigraphics(CAD)	PT	4	96 Hrs		10,000/-
		Unigraphics(CAM)	PT	4	96 Hrs		10,000/-
		Master CAM(CAD/CAM)	PT	4	72 Hrs		5,000/-
		DELCAM(CAD/CAM)	PT	4	72 Hrs		5,000/-
		CNC PROGRAMMING	PT	4	96 Hrs		6,000/-
		CNC MACHINING-LATHE	PT	4	72 Hrs		7,000/-
		CNC MACHINING-MILLING	PT	4	72 Hrs		7,000/-
		PLC PROGRAMMING	PT	4	96 Hrs		7,000/-
	TOOL DESIGN	Design of Jigs & Fixtures	FT	8	04 Weeks		10,000/-
		Design of Press Tools	FT	8	08 Weeks		20,000/-
		Desing of Moulds	FT	8	08 Weeks		20,000/-
		Design of Die Casting Dies	FT	8	06 Weeks		15,000/-
LTC(B) FULL TIME	TOOL DESIGN/CAD/CAM/CAE	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 Calender Year	1,05,000/-
		Post Diploma in Tool Design & CAD/CAM	FT	8	12 Months		70,000/-
		Advance Certificate Course in Tool Design & CAD/CAM	FT	8	12 Months		70,000/-
MTC FULL TIME		Master Certificate Course In Computer Aided Tool Engg.	FT	8	06 Months	Note : New batches will be started from First Monday of every month	40,000/-
		Master Certificate Course In Tool Design	FT	8	06 Months		40,000/-
		Master Certificate Course In CAD/CAM	FT	8	06 Months		40,000/-
		Certificate Course In CAD & Quality Assurance	FT	8	06 Months		30,000/-
MTC PART TIME		Certificate Course In Tool Design & CAD/CAM	PT	4	12 Months		50,000/-
		Certificate Course In Tool Design	PT	4	06 Months		25,000/-
		Certificate Course In CAD/CAM	PT	4	06 Months		25,000/-

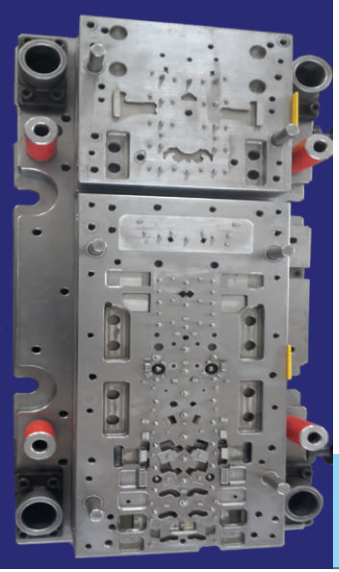
IINDO GERMAN TOOL ROOM, AURANGABAD, EXTENSION CENTRE - MUMBAI

TRAINING PROGRAMMES 2015-16

TYPE		AREA	THE COURSE	FULL TIME/ PART TIME	HRS/ DAYS	DURATION	COURSE COMMENCEMENT	COURSE FEE (Rs.)
SHORT TERM COURSES		(CAD/CAM/CNC/PLC)	INTEGRATED COURSE IN CAD (AUTOCAD, SOLIDWORKS & PRO-E)	PT	5	45 Days	Note : New batches will be started from First & Third Monday of every month	15,000/-
			INTEGRATED COURSE IN ADVANCE CAD (SOLIDWORKS, CATIA & PRO-E)	PT	6	45 Days		17,500/-
			INTEGRATED COURSE IN CAM (CNC PROGRAMMING, MASTER CAM & DELCAM)	PT	5	45 Days		14,500/-
			INTEGRATED COURSE IN ADVANCE CAM (MASTERCAM, DELCAM & UNIGRAPHICS CAM)	PT	6	45 Days		18,000/-
			INTEGRATED COURSE IN CAD/CAM (AUTOCAD, MASTERCAM & DELCAM)	PT	5	45 Days		13,000/-
			INTEGRATED COURSE IN ADVANCE CAD/CAM (MASTERCAM, DELCAM & UNIGRAPHICS CAD)	PT	6	45 Days		18,000/-
			INTEGRATED COURSE IN PNEUMATICS, PLC PROGRAMMING & SCADA	PT	6	45 Days		18,000/-
			INTEGRATED COURSE IN PLC PROGRAMMING, EMBEDDED SYSTEM & VLSI	PT	6	45 Days		19,000/-
			AutoCAD(CAD)	PT	4	72 Hrs		4,000/-
			Solidworks(CAD)	PT	4	72 Hrs		5,000/-
			CATIA(CAD)	PT	4	96 Hrs		7,000/-
			Pro-E(CAD)	PT	4	96 Hrs		7,000/-
			Unigraphics(CAD)	PT	4	96 Hrs		10,000/-
			Unigraphics(CAM)	PT	4	96 Hrs		10,000/-
			Master CAM(CAD/CAM)	PT	4	72 Hrs		5,000/-
			DELCAM(CAD/CAM)	PT	4	72 Hrs		5,000/-
			CNC PROGRAMMING	PT	4	96 Hrs		6,000/-
		TOOL DESIGN	PLC PROGRAMMING	PT	4	96 Hrs		7,000/-
			Design of Jigs & Fixtures	FT	8	04 Weeks		10,000/-
			Design of Press Tools	FT	8	08 Weeks		20,000/-
			Desing of Moulds	FT	8	08 Weeks		20,000/-
			Design of Die Casting Dies	FT	8	06 Weeks		15,000/-
LTC(B)	FULL TIME	TOOL DESIGN/CAD/CAM/CAE	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 Calender Year	1,05,000/-
			Post Diploma in Tool Design & CAD/CAM	FT	8	12 Months		70,000/-
			Advance Certificate Course in Tool Design & CAD/CAM	FT	8	12 Months		70,000/-
MTC	FULL TIME		Master Certificate Course in Tool Design	FT	8	06 Months	Note : New batches will be started from First Monday of every month	40,000/-
			Master Certificate Course in CAD/CAM	FT	8	06 Months		40,000/-
	PART TIME		Certificate Course in Tool Design & CAD/CAM	PT	4	12 Months		50,000/-
			Certificate Course in Tool Design	PT	4	06 Months		25,000/-
			Certificate Course in CAD/CAM	PT	4	06 Months		25,000/-







Admission & Placement

ACADEMIC YEAR ADMISSION & PLACEMENT SCHEDULE

	COURSE	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)	2 YEARS	
	Post Graduate Diploma in Tool Design & CAD / CAM	1.5 YEARS	New Batch Will Be Started From First Monday of January, April, July & October. Every year
	Post Graduate Diploma in Mechatronics	1.5 YEARS	
	Post Diploma in Tool Design & CAD / CAM	1 YEAR	
	Post Diploma in Tool & Die Manufacturing	1 YEAR	
	Post Diploma In Computer Aided Engineering (Mfg.)	1 YEAR	
	Post Diploma in Mechatronics	1 YEAR	
	Post Diploma in VISI & Embedded Systems	1 YEAR	
	Advance Certificate Course in Tool Design & CAD / CAM	1 YEAR	
	Advance Certificate Course in Tool & Die Manufacturing	1 YEAR	
	Advance Certificate Course in CNC Machining	1 YEAR	New Batch Will Be Started From First Monday of February May, August & November Every year
	Advance Certificate Course in Machine Maintenance	1 YEAR	
	Advance Certificate Course in Welding Operations	1 YEAR	
	Certificate Course in CNC Turning & Milling	1 YEAR	
	Certificate Course in Tool & Die Making	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 CNC Machine Operations - LATHE & MILLING	12 WEEKS	New Batch Will Be Started From First Monday of Every Month. Every year
	Certificate Course in Machine Operations - WIRE CUT & EDM	12 WEEKS	
	Certificate Course in CNC Machine Operations - Lathe	24 WEEKS	
	Certificate Course in CNC Machine Operations - Milling	24 WEEKS	
	Certificate Course in CAD & Quality Assurance	24 WEEKS	
	Certificate Course in CNC Operations(Lathe/Milling/WEDM/EDM)	24 WEEKS	
	Master Certificate Course in CAD/CAM	24 WEEKS	
	Master Certificate Course in Tool Design	24 WEEKS	
	Master Certificate Course in Mechatronics	24 WEEKS	
	Master Certificate Course in CNC Technology	24 WEEKS	
	Master Certificate Course in Welding Operations	24 WEEKS	
	Certificate Course in Computer Aided Tool Engineering	24 WEEKS	
	Certificate Course in Mechatronics	24 WEEKS	
	Certificate Course in VLSI & Embedded System Design	24 WEEKS	
	Certificate Course in CAD/CAM	24 WEEKS	
	Certificate Course in Tool Design	24 WEEKS	
	Certificate Course in Tool Design & CAD/CAM	48 WEEKS	

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

CUSTOM DESIGNED SPECIAL TRAINING PROGRAMMES CONDUCTED FOR :

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
- LOMBARDINI LTD., AURANGABAD
- JOHNSON & JOHNSON LTD., AURANGABAD
- FORBES LIMITED, AURANGABAD
- COSMO FILMS LIMITED, AURANGABAD
- VIDEOCON INDUSTRIES LTD, AURANGABAD
- 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
- INDIAN NAVAL ACADEMY,COCHIN.

INSTITUTES

- GOVERNMENT COLLEGE OF ENGG., AURANGABAD
- GOVERNMENT COLLEGE OF ENGINEERING, JALGOAN
- GOVERNMENT POLYTECHNIC, LATUR
- JNEC, COLLEGE OF ENGG., AURANGABAD
- MGM COLLEGE OF ENGINEERING, NANDED
- MGM PLOYTECHNIC, AURNAGABAD
- PES COLLEGE OF ENGINEERING, AURANGABAD
- PES PLOYTECHNIC, AURNAGABAD
- MIT COLLEGE OF ENGG., AURANGABAD
- MIT POLYTECHNIC, AURANGABAD
- AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER
- SSG COLLEGE OF ENGINEERING, SHEGAON
- SES COLLEGE OF ENGINEERING, KOPARGAON
- DR. BATU, LONERE
- GGSES COLLEGE OF ENGINEERING, BIDAR
- GRAMIN POLYTECHNIC, NANDED
- SGGS COLLEGE OF ENGINEERING, NANDED
- PADMASHRI DR. VIKHE PATIL COLLEGE OF ENGG., LONI
- SVERI'S COLLEGE OF ENGINEERING, PANDHARPUR
- HI-TECH INSTITUTE OF TECHNOLOGY, AURANGABAD
- INDIRA POLYTECHNIC, NANDED
- S.S,V.P'S B.S.DEORE ENGG. COLLEGE, DHULE
- DEOGIRI COLLEGE OF ENGG., AURANGABAD
- PRAVARA RURAL ENGG.. COLLEGE, LONI
- DNYANESHWAR POLYTECHNIC, NEWASA
- SHRI. GULABARO DEOKAR COLLEGE OF ENGG., JALG
- J D MAHAJAN COLLEGE OF ENGG., NAGPUR
- TERNA COLLEGE OF ENGG., OSMANABAD
- YASHAWANTRAO POLYTECHNIC, BEED
- S B POLYTECHNIC, INDAPUR
- PROF. RAM MEGHE COLLEGE OF ENGG., BADNERA
- PROF. RAM MEGHE INST. OF TECH. BADNERA
- SHIVAJI COLLEGE OF ENGG.,PARBHANI
- G.H.RAISONI COLLEGE OF ENGG., AMRAVATI
- G.H.RAISONI COLLEGE OF ENGG.,JALGAON
- KARMAYOGI COLLEGE OF ENGG.,PANDHARPUR
- KARMYOGI POLYTECHNIC, PANDHARPUR
- SHREYASH COLLEGE OF ENGG., AURANGABAD
- SHREYASH POLYTECHNIC, 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
- GAURISHANKAR POLYTECHNIC,SATARA
- K.K. WAGH COLLEGE OF ENGG., NASIK
- EVEREST COLLEGE OF ENGG., AURNAGABAD
- PLIT COLLEGE OF ENGINEERING BULDHANA
- WOMEN'S RESIDENTIAL GOVT. POLY., LATUR
- M.S. BIDVE COLLEGE OF ENGINEERING, LATUR

Infrastructure

Infrastructure At Glance

- TOTAL PLOT AREA - 51878 Sq. Mtr.
- CAPTIVE POWER GENERATION - 2X320 KVA -
- ADMINISTRATION
- TRAINING
- BOYS HOSTEL
- COMMUNITY CENTER
- INTERNATIONAL HOSTEL
- MULTIPURPOSE AUDITORIUM
- SANCTIONED ELECTRIC POWER - 1500 KVA
- CAPTIVE POWER GENERATION-2X320 KVA
- CENTRAL AIR CONDITIONING UNIT
- BUILT UP AREA - 21092Sq. Mtr.
- CENTRAL AIR CONDITION
- COMPRESSED AIR SUPPLY
- PRODUCTION
- GIRLS HOSTEL
- CANTEEN
- RESIDENTIAL COMPLEX
- OVERHEAD & UNDERGROUND WATER RESERVOIRS
- COMPRESSED AIR SUPPLY
- OVERHEAD UNDERGROUND WATER RESERVOIRS
- CLEAN AND DUST FREE ENVIRONMENT

ADMINISTRATION

AUDITORIUM

CANTEEN

TRAINING

PRODUCTION

HOSTEL

TRAINING

WIDE SPECTRUM OF LATEST & ADVANCE MACHINE SET UP

CNC MILLING
- HASS - TM - I
- BFW SURYA-VF30
- DECKEL MAHO 50 T
- JYOTI-PX30

CNC LATHE
- HASS - TL 1
- JYOTI - DX 150
- ACE-JOBBER JUNIOR

CNC WIRE CUT
- ELECTRONICA- ECOCUT
- ELECTRONICA - SPRINTCUT

CNC SPARK EROSION
- ELECTRONICA- EXPERT
- ELECTRONICA -ZNC

PRECISION SURFACE GRINDER
- PROTH PSGS306OBH
- KENT

SURFACE GRINDER
- KIRLOSKAR
- ELB INDIA

CYLINDRICAL GRINDER
- HMT K 130
- PARISHUDH

TOOL & CUTTER GRINDER
- PRAGA 3197

HYDRAULIC TRAINING KIT
- FESTO (DUAL STATION)
- (BASIC, ELECTRO & ADVANCE)

PNEUMATIC TRAINING KIT
- FESTO (DUAL STATION)
- (BASIC, ELECTRO & ADVANCE)

CONVENTIONAL MILLING
- BFW - UF 2
- BFW - VF 2
- BFW - VF 1
- HMT - FN 1 U/ HMT MI TR

UNIVERSAL MILLING
- MIKRON WF 3 SA

SP3D PANTOGRAPH 1GRAVING
- PRECISION ENGL. /MH 45 R

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

PLC PROGRAMMING KIT
- SIEMENS S71500
- ALLEN BRADELY S7300

AUTOMATION
- VLSI
- SCADA
- PCB
- EMBEDDED SYSTEMS
- MECHATRONICS KIT
- 6 AXIS ROBOT

Welding:- Gas, Arc, Mig/Mag/Tig Welding

PRODUCTION

ULTRAMODERN STATE-OF-THE-ART TOOL ROOM FACILITIES

CNC-5 AXIS MACHINING
- HERMELE-B 300

CNC TURNING / MILLING
- HAAS-ST 20 SSY

CNC MACHINING CENTRE
- DECKEL - MAHO DMC 100V
- DECKEL - MAHO DMC 70V
- DECKEL - MAHO DMC 70V Hi-dyn
- HARTFORD HB2150 SG
- MAKINO- V33
- HASS - VF2
- HASS - VF1
- HASS - VM6

CNC WIRE CUT
- CHARMILLES ROBOFIL 290
- CHARMILLES ROBOFIL 300
- CHARMILLES ROBOFIL 510
- AGIE CHARMILLES - 440CCS
- ELECTRONICA ULTIMA
- ELECTRONICA ULTRA CUT S1

CNC SPARK EROSION
- CHARMILLES ROBOFORM 20
- CHARMILLES ROBOFORM 40
- AGIETRON ADVANCE
- MITSUBISHI E A 30

CNC SURFACE GRINDER
- BLOHM -PLANOMAT HP 408

CNC CYLINDRICAL GRINDER
- STUDDER S 33

CNC HIGH PRECISION LATHE
- SCHAUBLIN -125 CC

CNC MILLING
- MIKRON - UME 710
- MIKRON - WF - 52D

CNC LATHE
- GLIDEMEISTER CTX 400 E
- HASS - TL 1
- HONOR - V400C
- HASS-SL 20

HIGH SPEED DRILLING
- CHARMILLES ROBODRILL SH 2

JIG BORING
- HAUSER B-3 DR

UNIVERSAL MILLING
- MIKRON WF 3 SA
- MIKRON WF 2 SA
- UNION MILLING
- HMT M1 TR
- BFW UF 2, 3.5
- BPW VF 3.5

PRECISION SURFACE GRINDER
- ELB OPTIMAL 8550 ND, 4250 ND
- KENT 715 SERIES
- KENT WM 263 S Series
- JUNG JF 520

CYLINDRICAL GRINDER
- SCHLEIF SA 5/2 U x 1000, 630

HYDRAULIC PRESS
- DUNKES TYPE HZS 63

MECHANICAL PRESS
- ZEULENPODA 1250 KN
- NARENDRA 3000 KN

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

CENTRE LATHE
- WEILER COMMODER, CONDOR
- HMT NL 22
- GEEDEE WEILER

QUALITY ASSURANCE

HIGH PRECISION QUALITY ASSURANCE & CALIBRATION SERVICES

CO -ORDINATE MEASURING MACHINE
- CARL - ZEISS PRISMO VAST 5.
- BROWN & SHARPE Hexagaon Metrology
- Global Performance 050705

LINEAR HEIGHT MASTER (ELECTRONIC)
- MITUTOYO

TOOL MAKER'S MICROSCOPE
- CARL-ZEISS (10 x 30x)

PROFILE PROJECTOR
- BATTY (10X, 20X, 50X)

SURFACE FINISH TESTER
- HOMMEL

PRECISION COMPARATOR STAND
- SYLVAC

SLIP GAUGES (CARBIDE)
- KOLB + BAUMAN

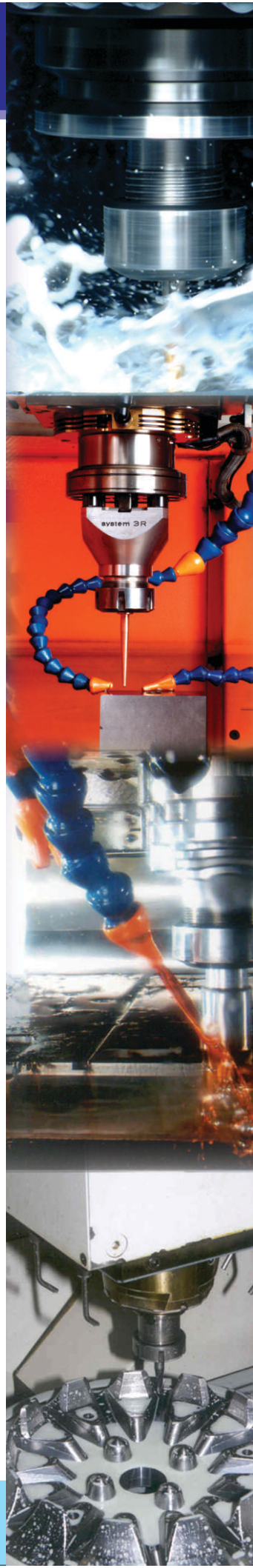
NABL ACCREDITED CALIBRATION LAB

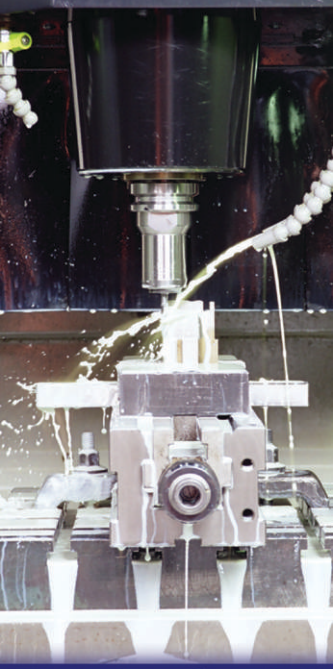
Calibration Services are offered for Precision measuring equipment like:

VERNIER CALIPER MICROMETER HIGHT GAUGE LEVER DIAL PLUNGER DIAL

LASER CALIBRATION

RENISHAW'S XL-80 FOR LINEAR MEASUREMENT





Placement

Successful Placement / Employment

AKS AUTOMOTIVE & PRESSINGS PVT. LTD.
AKAR TOOLS LTD.
APPLE INTERNATIONAL LTD.
ASB INTERNATIONAL LTD.
AURANGABAD WHEELS & RIMS PVT. LTD.
AURANGABAD ELECTICALS LTD.
AUTOMOTIVE STAMPINGS & ASSMBLIES LTD.
ALTAIR ENGINEERING INDIA LTD.
AUOTMATION INDUSTRIES.
AKASH DIE CASTING.
AMTEK AUTO LIMITED.
AMW-MGM FORGING PVT. LTD.
ASPIRE MOULDING & TOOLING PVT. LTD., A'NAGA
RAUTO CLUSER, PUNE
AMW LTD. BARODA
ARKIN VENTURES (P) LTD., NASHIK
AURANGABAD ELECTRICALS LTD., AURANGABAD
BADVE ENGINEERING LTD.
BAJAJ TEMPO LTD.
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COMAU INDIA LTD.
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CUMMINS INDIA LTD.
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DEVGIRI FORGINGS LTD.
DESIGN SYSTEMS LTD.
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DEXTER TOOLS.
EICHER VOLO LTD.
ELECTRONICA MACHINE TOOLS LTD.
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GENERAL MACHINES.
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GUJRAT GLASS LTD.
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HINDUSTAN AERONOTICS LTD.
HINDALCO LTD.
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PYN PRECISION ENGINEERING, PUNE
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TECHNOCRAFT INDUSTRIES. LTD.,MUMBAI
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UNION GAUGES, PUNE
VARROC ENGG. LTD.
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VICTOR GASKETS INDIA LTD.
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VIDEOCON APPLIANCES LTD.
VIP INDUSTRIES LTD.
WHIRLPOOL APPLIANCES LTD.
WOOSHIN INDIA LTD.
YASHASHREE PRESSINGS LTD.

- 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.

Rules & Regulations

ADMISSION CRITERIA : Eligible candidates will be offered admission on first-come-first-serve basis on depositing Registration Fees (as per course details), by DD in favour of Indo German Tool Room, Aurangabad along with filled Admission form. Admission Form along with Prospectus can be obtained in person from IGTR Aurangabad, Extension Centres at / Pune / Nagpur / Mumbai or on request for admission form through E-mail by giving full postal address. The registration fee is converted as a security deposit on confirmation of admission & will be refunded on course completion only.

Admission are open for Boys & Girls

Admission Process for individual course as indicate in course details.

No Tuition fees For SC / ST Candidates. - 22.5 % seats are reserved for SC / ST category.

Candidates belonging to reserved category should substantiate their claim by enclosing a Caste certificate issued by competent authority.

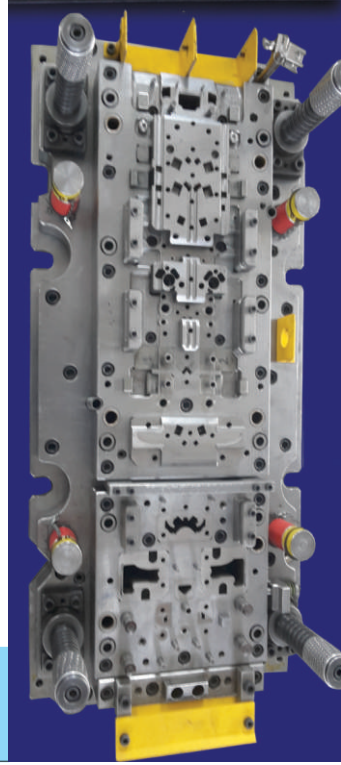
HOSTEL ACCOMMODATION : Separate hostel facilities may be provided for outstation boys & girls Subject to the availability of the accommodation at the discretion of the institute on extra cost as applicable.

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 ≥85 % First Class ≥ 70%&<85% Second Class≥60%&<70% Pass≥50%&<60%

GENERAL RULES & REGULATIONS FOR TRAINEES

1. IGTR reserves the right to reject any application without assigning any reason. Incomplete applications are liable to be rejected.
2. Medium of instruction is English only
3. **Registration fee is non refundable, in case any candidate cancels his admission for any reason.**
4. Admission to the course will be given only on deposition of Registration Fee, first semester fees & other fees (Administrative Charges as applicable) by DD & on submission of relevant documents. DD to be made in Favour of "INDO GERMAN TOOL ROOM, AURANGABAD" drawn on any Nationalized Bank payable at Aurangabad.
5. Registration fee will be converted as security deposit after confirmation of admission along with payment of requisite fee by the trainee and shall be refunded on successfully completion of the course / cancellation of admission after payment of requisite fee for first semester.
6. **Courses fee once paid will not be refunded under any circumstances**
7. Registration / course fee is nontransferable
8. 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 are required to fill in fresh application form for fees exemption claim, within one week from the starting date of new semester. Late fee will be charged as a fine from the due date as applicable.
9. Insurance & Other charges as per specified for the course to be paid but the trainee in addition to the course fee as applicable.
10. **Security deposit shall be forefeited in case of loss of original receipt of the security deposit.**
11. All the trainee will ensure discipline within the campus.
12. Trainee shall be required to wear uniform and shoes as prescribed by the institute and posses I-card compulsory during training.
13. **Mobile phone, Pen drive, CD any other related items** are not permitted inside IGTR premises.
14. **Regular attendance will have to be maintained by the trainee as per course schedule & 90 % attendance is compulsory in all subjects individually**
15. **Trainees will abide by the examination rules and regulations displayed on Notice Board Of IGTR and as amended**
16. Leave without information / permission will not be entertained.
17. Trainees going on leave or home during vacation should inform Course Coordinator compulsorily.
18. All the internal assessments, assignments, evaluations will have to be attended / completed from time to time as per course schedule only.
19. No trainee shall organize / conduct any meeting within the campus.
20. The machines / equipment / Furniture must be handled carefully. No act of damage to IGTR properly shall be carried out by the trainee, any loss or damage to property, including water & Electricity usage.
21. Trainee have to ensure the proper utilization of IGTR property including water & Electricity usage.
22. Smoking & chewing tobacco, possessing or drinking Alcoholic beverages in any form strictly prohibited within IGTR premises.
23. Ragging is strictly Prohibited in the premises.
24. Writing any comment/ Remarks / Name on Doors, Walls, Toilet, Notice Board is strictly prohibited.
25. Study material will be provided on extra cost as applicable.
26. Working hours will be 8 hrs /day (excluding lunch) in different shifts / timing as prescribed by the institute
27. Violation of above & any other Rules, Regulations, Disciplines and conduct etc. are liable for disciplinary action.



ISO 9001:2008

ISO 14001:2004

ISO 29990:2010

ISO 50001:2011

ISO/IEC 17025:2005

BS OHSAS 18001:2007

MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES
MSME - TOOL ROOM AURANGABAD

MSME TOOL ROOM
INDO GERMAN TOOL ROOM, AURANGABAD

igtr

P-31, MIDC, Chikalthana Industrial Area, **AURANGABAD.** 431 006 (M.S.)
Phone : (0240) 2486832, 2482593, 2470541, 2480578
Fax : (0240) 2484028 Gram : "IGTOOLS"
E-mail : gm@igtr-aur.org
Web Site : http/www.igtr-aur.org ,www.igtr-aur.gov.in

S U B C E N T E R S

MUMBAI

MSME DI-IGTR CAD/CAM TRAINING CENTRE
MSME Development Institute,
Saki Naka, Kurla - Andheri Road,
Mumbai 400 072.
Phone : 0091 - (022) 28573020, 28573024
Fax No. 0091 - (022) 28570663
Email : smallind@vsnl.com

PUNE

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

NAGPUR

INDO GERMAN TOOL ROOM, AURANGABAD
EXTENSION CENTRE, NAGPUR
P-142, MIDC Hingna,
Nagpur– 440028 M.S. India,
Tel. No.: (07104) 645114, 9225982264
Fax : (07104) 645114
E-Mail: training_ngp@igtr-aur.org