



MSME TECHNOLOGY CENTRE INDO GERMAN TOOL ROOM, AURANGABAD

(Govt. of India Society under Ministry of MSME)

An ISO 9001, ISO 29990, ISO 14001, BS OHSAS 18001, ISO/IEC 17025 Certified Tool Room & Training Centre



FOUR-WEEKS INTERNSHIP PROGRAMMES

Indo German Tool Room Aurangabad is the leading Tool Room & Technology Centre under Ministry of MSME, Govt. of India to impart the industry-oriented Skill Based Training. IGTR, Aurangabad offers **04 weeks Internship Programs** for the students of **Diploma / Engineering** (Mechanical / Production / Automobile, Electrical / Electronics / Instrumentation, Civil Engineering or Equivalent) and **any Graduate** in the concern domain

Sr. No	Course	Course Overview	Industry-Based Project (Sample Example)
1	AutoCAD	Learn 2D drafting and basic 3D modeling using AutoCAD for engineering drawings. Develop skills in dimensioning, layouts, and technical documentation.	Create a product drawing with dimensions and assembly layout. Workshop / Manufacturing Practice of Mold / Press Tool
2	Solid Works	Understand parametric 3D modeling, assemblies, and engineering drawings. Gain experience in product design and visualization.	Design and Assembly of Product. Workshop / Manufacturing Practice of Mold / Press Tool
3	MasterCAM	Learn CNC toolpath generation and machining simulation using Mastercam. Understand milling and turning operations.	Generate CNC Toolpaths for the Component and simulate machining.
4	Unigraphics / Creo / Catia (any one)	Learn advanced CAD/CAM modeling and manufacturing operations. Explore product design and CNC programming workflows.	Model an industrial product and prepare machining operations.
5	CNC Programming & Machining (Lathe / Milling)	Learn G-code, M-code programming, CNC machine setup, and machining operations. Understand manufacturing process optimization.	CNC Programming & Machining for a stepped Shaft or Fange.
6	Additive Manufacturing	Study 3D printing technologies, slicing software, and material selection. Learn rapid prototyping concepts.	Design and 3D print a functional key holder or gear prototype.
7	PLC Programming	Learn PLC programming using ladder logic for industrial automation. Understand sensors, actuators, and control systems.	Develop an automatic bottle filling or conveyor control system.
8	Hydraulics & Pneumatics	Understand hydraulic and pneumatic components, circuits, and industrial applications. Learn basic troubleshooting techniques.	Design and simulate a pneumatic cylinder control circuit for material handling.
9	Embedded System	Learn microcontroller programming, interfacing sensors, and embedded applications. Gain hands-on experience with hardware control.	Develop a digital temperature monitoring system using a microcontroller.
10	SCADA Programming	Learn industrial monitoring, data acquisition, and HMI development using SCADA software. Understand real-time process visualization.	Develop a SCADA screen for water tank level monitoring and control.
11	AutoCAD Civil	Learn civil engineering drafting, site layouts, and road alignment using AutoCAD Civil tools. Prepare engineering plans and profiles.	Prepare a residential site layout including road, drainage, and utility plan.
12	3DS Max	Learn 3D modeling, rendering, lighting, and animation for architectural and product visualization.	Develop a 3D Interior or Exterior building visualization with rendering
13	Revit Architecture	Learn Building Information Modeling (BIM) for architectural design and documentation. Create intelligent building models.	Create a residential building model with floor plans, elevations, and schedules.
14	STAAD Pro	Learn structural analysis and design of RCC and steel structures. Understand load calculations and structural safety.	Analyze and design a multi-store building frame or industrial shed structure.
15	Total Station	Learn land surveying, coordinate measurement, and site layout using Total Station equipment. Understand field data collection methods.	Perform a topographic survey and prepare a contour and site layout drawing.
16	Web Designing	Learn HTML, CSS, JavaScript, and responsive website development. Build user-friendly web interfaces.	Responsive Institute Management Website
17	Data Analysis	Learn data cleaning, visualization, and analysis using Excel or Python. Interpret data for business decision-making.	Retail Sales Dashboard with Business Insights
18	3D Animation	Learn animation principles, modeling, texturing, lighting, and rendering. Create engaging visual content.	3D Product Commercial Animation
19	IoT Using Python	Learn IoT fundamentals, Python programming, and sensor interfacing for smart applications. Understand cloud-based data monitoring.	Smart Home Automation with Sensor Dashboard

Course Fees : Rs. 5000/- Per Course per Candidate

Lodging Fees : Rs. 2000/- for 01 Month

Boarding Fees: Rs. 2200/- for 01 Month (Veg Food Only)

How to Apply: Eligible candidates will be offered admission on First-Come-First-Serve basis on receipt of registration fee along with duly filled-up registration form (http://www.igtr-aur.org/docs/Registration_Form_new.pdf), attested photocopy of educational qualification documents along with photocopy of Aadhaar Card.

Payment Mode: Through online SB collect <https://onlinesbi.sbi.bank.in/sbicollect/>

Or, through BHIM-UPI Payment (SBI Account No.- 34008490415, IFSC Code: - SBIN0003449)

• Institute reserves right to incorporate changes in course content, duration, fee, may cancel the proposed scheduled dates due to any reasons without notice

Contact for further details:

INDO GERMAN TOOL ROOM, AURANGABAD

P-31, M.I.D.C. Industrial Area, Chikalhana, Chhatrapati Sambhajnagar - 431 006 M.S. India

Tel. No.: 9373161252 / 9373161253, (0240) 2610100

E-mail: training@igtr-aur.org, Website: www.igtr-aur.org