

## Confidence by Competence



**Indo-German Institute of Advanced Technology**

TRAINING & CONSULTING FOR EMPLOYABILITY AND PRODUCTIVITY



Indo-German Institute of Advanced Technology (IGIAT) is a premier institute with strong industry and international linkages. IGIAT was established in 2003 as an autonomous registered Society under the act of Government of Andhra Pradesh. This organization came into existence as one of the most important Public Private Partnership initiatives taken up under the Indo-German Technical Cooperation Agreement between Government of Andhra Pradesh and Government of Germany represented by GTZ in association with Gayatri Vidya Parishad.

It has core strength in the areas of Industrial Automation, Production & Manufacturing Technology, Information Technology & other areas like Vocational Education & Training and Entrepreneurship development. IGIAT functions as a pioneer training organization with the objective of enhancing the skills of professionals working in industries, teachers & trainers of Technical Institutions and job seeking personnel in emerging technologies.

We are committed to strive for excellence in all our services

## Vision

To become "The Nerve Centre of Industry" for empowering society through advanced technologies.

## Mission

To provide high quality, employment oriented training & qualification, consultancy and related services in advanced technologies, aimed at making Industry globally competitive and at improving employability of technical personnel including the disadvantaged groups of the society.



**igiat**  
addresses  
the needs of

- Small and Medium Enterprises
- Industries – PSU / Private
- Technical Institutions
- Job seekers & Students
- Government Organizations
- Developmental Organizations
- Disadvantaged Group of Society
- Individuals

# Infrastructure at a glance

World class facilities have been created for  
Competence Based Training,  
Problem solving, Consultancy & Job works.

Equipped with state-of-the-art  
Technology and Machinery



Delivery system perfected  
with German support



Industry grade training tools  
including static  
and dynamic jigs



Experts with international  
exposure working in a  
stimulating environment

Set up in a 5 acre of land in a clean and dust free environment.

Separate Hostel facilities for Male and Female candidates.

Canteen and Playground.

Modern training lab equipped with latest teaching aids.



# Training on offer

## Control & Automation

- Programmable Logic Controllers (SIEMENS, GE-FANUC, Allen Bradley)
- Industrial Drives (SIEMENS Vector Control and Motion Control)
- SCADA (WinCC)
- Embedded Systems Design (8051, PIC, ARM, RTOs)
- Electro-Pneumatic Controls(SMC)
- VLSI Design



## Design & Manufacturing



- CNC Lathe Programming & Machining
- CNC Milling Programming & Machining
- AutoCAD
- AutoCAD Mechanical
- Autodesk Inventor
- PRO-E
- MasterCAM
- UniGraphics
- CATIA
- ANSYS

## Information Technology

- Hardware and Networking
- CCNA (CISCO Certified Network Associate)
- CISCO IT Essentials I & II
- CCNA Security
- CCNP 1
- PHP with MySQL
- C & Data Structures
- C++
- MCSE
- Visual Studio .Net
- JAVA & J2EE
- Testing Tools (Mercury)





## Infrastructural & Environment Engineering



- GIS/GPS
- Total Station
- Site and Surveying Technician
- Eco-Industrial Estate Management
- AutoCAD Civil

## Multimedia Technology & Animation

- Graphics and 2D Animation
- 3D – Architectural Designing
- 3D Animation
- Web Designing



## Apparel Design & Manufacturing



- Garment Manufacturing Technology
- Garment Construction
- Pattern Making
- Sewing Machine Operator



# Consultancy & Job works

## Design & Manufacturing

- Digitization of Drawings/Maps/Site Plans
- Conversion of 2D drawings into 3D Model
- Automatic generation of CNC Program using CAM
- CNC Turning Job works
- CNC Milling (2D & 3D profiles) Job works
- Product Development
- Reverse Engineering

## Information Technology

- Web Site Design & Maintenance
- Setting up of LAN / WAN
- Web based Applications
- Network Security Applications

## Infrastructure & Environmental Engineering

- GIS based project
- Topographical survey using Total Station
- Digitization of Maps/Site Plans
- Integrated Waste Management (Solid / Hazardous / Bio-Medical)
- Environmental Impact Assessment (EIA)
- Environmental Management Plan (EMP)
- Environmental Audit (EA)
- Clean Development Mechanism Projects (CDM)
- Service contract for design, operation and maintenance for waste water treatment plants
- Turnkey Execution of STP/ETP /CETPS

## Control & Automation

- Prototype Development using Microprocessor / Micro controllers
- Planning, designing & commissioning of PLC/Drives based process automation
- Conversion of relay based machine control into PLC based systems
- Maintenance contract for automotive machines / processes / plants
- Break-down maintenance of plant & machinery

## Vocational Education & Training

- Training Need Analysis
- Curriculum Development
- Instructional Material Development
- Assessment & Evaluation
- Training of Trainers
- Modular Employable Skills (MES)
- Research & Studies



# our Distinguished Clients include

## Government Sector

- APIIC
- Ministry of Development of North Eastern Region, GOI
- Visakhapatnam Steel Plant, Vizag
- HPCL - Visakha Refinery Unit, Vizag
- Visakhapatnam Port Trust, Vizag
- State Board of Technical Education, Govt. of A.P
- NSTL, Visakhapatnam
- Heavy Material Research Laboratory, Pune
- Ship Building Centre, Visakhapatnam
- Indian Navy, INS Eksila
- Indian Navy, INS Satavahana
- Dredging Corporation of India, Visakhapatnam
- Bharat Dynamics Ltd, Vizag

## Private sector

- L & T e-ES, Baroda
- Samkrp Pistons & Rings Ltd., Srikakulam
- Godavari Fertilisers & Chemicals Ltd., Kakinada
- Hindustan Zinc Ltd., Visakhapatnam
- COCA – COLA, Visakhapatnam
- IL & FS
- CMS Ltd, Mumbai
- HCC Ltd, Mumbai
- Synergy Castings Ltd., Visakhapatnam
- VANPIC Port Ltd, Hyderabad
- Gangavaram Port Ltd, Visakhapatnam
- Dredging Corporation of India, Visakhapatnam
- Pioneer Elastic Pvt. Ltd, Visakhapatnam



## Partners in our growth



## Some Impressions about IGIAT

IGIAT programmes will substantially contribute to better qualifications and job opportunities.

**Mr. Roland Friedrich Herrmann**  
Consul General, Consulate of FRG, Chennai

I am proud of our good work which of course is due to commitment and hard work of IGIAT team.

**Mr. Guenter Dresuessse**  
Country Director, GTZ, India

Very motivated and enthusiastic team doing innovative work at IGIAT.

**Mr. Ajit Rangnekar**  
Dean, ISB, Hyderabad

IGIAT facilities of learning will further accelerate the economic & social growth of India.

**Mr. James S. Simpson**  
Administrator, U. S. Department of Transportation  
Washington, D. C.

A great centre for Applied Technology. All training at IGIAT are society based & employment oriented.

**Mr. E. Balaguruswamy**  
Member, UPSC

It is a blend of PPP model and touching every aspect of skill development and skill upgradation.

**Mr. Bhanwar Lal, IAS**  
Principal Secretary, Govt. of Andhra Pradesh  
Department of Labour & Employment



"If I were a poet,  
I could write poetry on the possibilities of the five fingers.  
Why should you think that the mind is everything and the hands and feet nothing.  
Those who do not train their hands, who go through the ordinary rut of education, lack 'music' in their life".

- Mahatma Gandhi



## Indo-German Institute of Advanced Technology

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