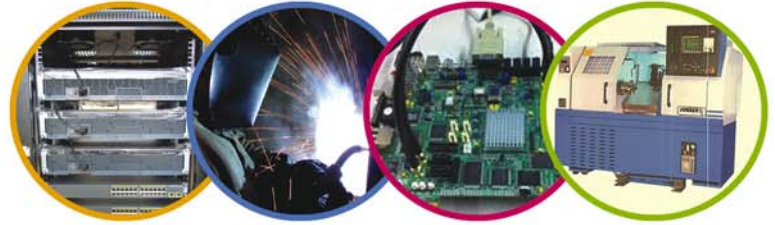


KGMSDC



KARNATAKA GERMAN MULTI SKILL DEVELOPMENT CENTERS (KGMSDC)

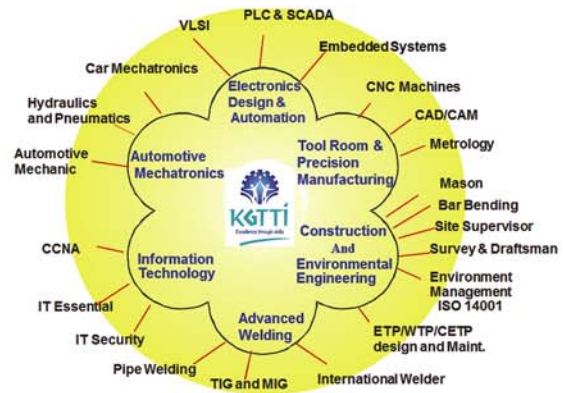
(A Government of Karnataka Undertaking)

Karnataka German Technical Training Institute.

Karnataka German Multi Skill Development Centre (KGMSDC) is a Society promoted by Government of India and Government of Karnataka with technical support of German International Services (GIZ-IS).

It has set up Karnataka German Technical Training Institute (KGTTI) having centers at Bengaluru and Gulbarga. The primary mission of KGTTI is to provide broad-based multidisciplinary world class training programs in various technical fields, directed towards development of specialized skills in alignment with the industry requirements across the globe.

Training Spectrum:



KGTTI Bengaluru - Technical fields and related courses

Automotive Mechatronics:

Car Mechatronics, Hydraulics, Diagnostics, Automotive electrician.

Electronics Design & Manufacturing:

SMT, Wave soldering, Embedded systems, VLSI, Electronics maintenance.

Industrial Automation:

PLC and Drives, Pneumatics, Hydraulics, Man-Machine Interface, Field Instrumentation.

Environmental Engineering:

Effluent treatment, Wastewater treatment, Environment audit, Environment impact assessment, Eco-Industrial Parks.

Advanced Welding:

MIG, MAG, TIG, Pipe welding, International Welder.

IT – Hardware and Networking, CCNA, VM Ware.

KGTTI Gulbarga - Technical fields and related courses

Construction:

GIS, GPS, Total Station, Mason, Bar Bending, Site Supervisor, Survey & Draftsman, Plumbing.

Manufacturing and Tools and Die making:

CNC, CAD/CAM, Tool Design.

Electrical and Electronics Maintenance:

Electrical pumps and motor repairing, Industrial electrician, Motor control and electric panel, electronics maintenance, PCB manufacturing.

Refrigeration and Air-conditioning:

Air conditioner, deep freezer, automobile air-conditioning, central air-conditioning.

Advanced Welding:

MIG, MAG, TIG, Pipe welding, International Welder.

IT – Hardware and Networking, CCNA, VM Ware.

All programs follow German vocational education and training standards that are demand oriented and directly imply a close relationship with industry. To provide International Standards and hands-on training both KGTTIs has extensive and state-of-art training facilities.

Vision Statement

"To develop KGMSDCs as world class training centers that offer specialized skills training programs in alignment with the Industry requirements in Karnataka and beyond".

Mission Statement

"KGMSDCs will generate high quality skilled manpower in close association with the industry, while operating with operational flexibility and striving financial self-sustainability."

Training Offered

Information Technology

Information Technology:

The Internet is changing our way of life, bringing new economic and social opportunities to communities throughout the world, and increasing the global demand for information and communication technology (ICT) skills.

Innovations such as social net working, cloud computing, e-commerce, web conferencing, and desktop virtualization are changing the way we live, work, play and learn. These capabilities are all powered by networks.

The number of technically skilled personnel required for designing, installing, configuring and managing IT Infrastructure and networks is ever increasing. Organizations around the world are experiencing a shortage of qualified Information and Communication Technology (ICT) candidates. Networking Academy students will become the architects of the networked economy, enabling everyday experiences on the global human-network.



KGTI is an authorized Local Academy of Cisco to provide quality training on IT infrastructure and networking technologies.

Courses offered:

Sl.No	Courses offered	Eligibility
1	CISCO IT Essentials	10th /PUC and above
2	CCNA(Cisco Certified Network Associate)	Completion of IT Essentials /Any Degree

Benefits:

- The courses prepare students for entry-level career opportunities, continuing education and globally recognized Cisco certifications.
- Each participant will get user name and password from Cisco.
- The participants shall have access to the official training material of Cisco.
- The participants shall be under the continuous guidance of Cisco certified instructors.
- CCNA students are eligible for 58% discount voucher* from Cisco on final international certification exam fee.

Welding Center at KGTTI

The welding program is designed to meet the expanding needs of the many occupations that utilize welding.

KGTTI has established a modern laboratory with world class equipment to offer meaningful and useful training to the youth of Karnataka. The training is provided on WORLD CLASS welding equipment, which is including state-of-art vortial welding simulators.



CAREER OPPORTUNITIES

Welding is a widely used skill offering opportunities for careers in the fabrication and construction industries as well as for self-employment in small scale enterprises. People starting out through practical welding qualifications can achieve high level of welding skills which are greatly sought after. The training is specifically designed for large number of pre-school leaving candidates who are unable to continue with formal education.

Good eyesight, hand-eye coordination, manual dexterity and the ability to concentrate on detail work for long periods are important traits for a person considering this career.



Course eligibility:

- Minimum class VIII pass with knowledge in regional language and Basic English vocabulary for all levels and processes.
- However, students who have completed class X /school leaving examinations will have advantage in the learning process for both standard and advanced courses of MMAW, GTAW and GMAW.
- Advanced level courses available for experienced welders subject to internal assignment of basic/standard level course requirement by the Karnataka German Technical Training Institute (KGTTI).

Courses Offered:

Course Title and Modules	Duration	Eligibility
1. Pipe welder (6G level)	3 Months	ITI
2. Basic Welding Technician	6 Months	10th /ITI
3. MIG/MAG welding technician	1 Month	ITI
4. Gas cutting and brazing technician	2 Months	ITI
5. Stainless steel and aluminum welding using TIG	1 Month	ITI

Embedded Systems Design:

Embedded systems, which are electronic systems that include a microcomputer to perform a specific dedicated application, are ubiquitous. Every week millions of tiny computer chips come pouring out of factories like Atmel, Microchip, Motorola and Mitsubishi and find their way into our everyday products. Our global economy, our production of food, our transportation systems, our military defense, our communication systems, and even our quality of life depend on the efficiency and effectiveness of these embedded systems.

Training in Embedded Systems would equip the student to be proficient in both the software and hardware aspects of information technology.



EMBEDDED SYSTEMS DESIGN COURSES & DURATION

Embedded Systems Design	20 Hrs	6 Months	Introduction to Embedded Systems Design
	60 Hrs		8051 Microcontrollers
	90 Hrs		8/16/32 bit Microcontrollers and Interfacing
	60 Hrs	3 Months	Embedded RTOS
	90 Hrs		Advanced Embedded Systems Programming
	60 Hrs		Robotics

Eligibility : Students from Diploma(Electronics)/B.Sc(Elec)/B.E/B.Tech(ECE, EEE, CSE, IT) /MCA/ M.Sc(Ele)

Training Offered

CAD/CAM / CNC

AN OVERVIEW OF CAD/ CAM /CNC TECHNOLOGIES

Most of the automated production systems implemented today makes use of computers. CAD/CAM in addition to its particular emphasis on the use of computer technology is also distinguished by the fact that it includes not only the manufacturing operations but also the design and planning functions that precede manufacturing.



CNC MILLING MACHINE DMC 635 V ECO (FROM GERMANY)

Milling machines can perform a vast number of operations, from simple to complex. This machine has high-performance operating system that combines the best hardware in the industry with advanced application/network system & 3D simulation



CNC LATHE MACHINE

(CNC) lathes are rapidly replacing the older production lathes (multi spindle, etc.) due to their ease of setting, operation, repeatability and accuracy. They are designed to use modern carbide tooling and fully use modern processes. The part may be designed and the tool paths programmed by the CAD/CAM process or manually by the programmer and the resulting file uploaded to the machine, and once set and trialed the machine will continue to turn out parts under the occasional supervision of an operator.



SIMULATORS

Simulators provide application with high performance tool path Simulation and CNC Verification. The tool path Simulation component supports Milling, Turning and applications with full machine simulation, stock removal verification and tool path analysis. Module Works tool path Simulation will identify problem areas such as potential collisions, gouges or over travel and allow correction prior to NC Code generation.



COURSE DETAILS

Sl.No	Course Name	DURATION	Eligibility
1	Auto CAD	1 MONTH	ITI/ Engineering
2	CAM Programming	1 MONTH	Diplama/Engineering
3	CNC PROGRAMMING & OPERATIONS	6 MONTHS	ITI
4	ADVANCED DIPLOMA IN CNC PROGRAMMING & OPERATIONS	6 MONTHS	Diplama
5	BASIC METROLOGY	3 MONTHS	ITI/DSC
6	ADVANCED METROLOGY	3 MONTHS	ITI/DSC
7	Masters in C/Cam	6 MONTHS	ENGINEERING

Construction Engineering

Civil engineering services is a vast domain covering planning, designing and construction of infrastructure such as commercial and residential buildings; transportation infrastructure including roads, bridges, railways; water distribution systems such as dams, canals, sanitation and lotmore

With tremendous growth of economy all over the world, there is a need to implement cost-effective, yet efficient civil engineering and construction engineering practices in order to meet the mounting needs while meeting budget and time constraints.

Construction workers can literally change the world; developing bridges, tunnels and structures, providing water supplies, or responding to natural disasters. With a skill certification in this field you can watch your work impact positively on people's lives every day.



COURSES OFFERED

Sl.No	Course Name	Duration	Eligibility
1	Mason Basic Course	10 Weeks	5th Pass
2	Mason Advanced	10 Weeks	5th Pass/MSDC Basic Course
3	Site Supervisor	12 Weeks	10th Pass
4	Bar Bender and Steel Fixer	12 Weeks	5th Pass
5	Land Surveyor	12 Weeks	10th Pass
6	Plumber	12 Weeks	5th Pass
7	Draftsman	12 Weeks	10th Pass

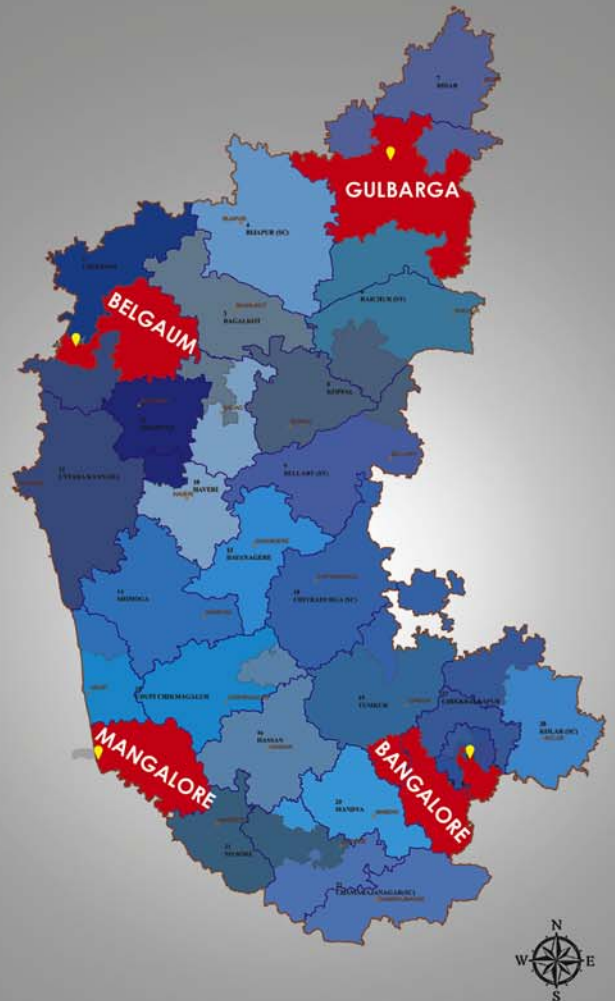
KGTTI BANGALORE



KGTTI GULBARGA



MULTI SKILL DEVELOPMENT CENTERS* IN KARNATAKA



* KGTTIs at Belgaum and Mangalore are Soon to be Started

KARNATAKA GERMAN TECHNICAL TRAINING INSTITUTE

BENGALURU

CoE Building, Kaushalya Bhavan Campus, Behind Govt. ITI(W),
Dairy Circle, Bannerughatta Road, Bengaluru – 560 029, INDIA.
Phone: + 91- 80 – 26642526 (Board)
TeleFax : + 91-80- 26642627 (Direct)
Website: www.kgmsdc.com

GULBARGA

CoE Building , Govt. ITI Campus,
MSK Mill Road, Gulbarga – 585101, INDIA.
Phone: 08472-252111
Website: www.kgmsdc.com

Project Promoted by



Technical Collaboration with

