

# SKILL SECTORS

 MANUFACTURING TECHNOLOGY

 CONSTRUCTION TECHNOLOGY

 INDUSTRIAL AUTOMATION

 AUTOMOTIVE TECHNOLOGY

 ENERGY MANAGEMENT

 WELDING TECHNOLOGY

 INFORMATION TECHNOLOGY

Government of Karnataka considers skill development to be an important aspect of nation building exercise and has established Society for **Karnataka German Multi Skill Development Centre (KGMSDC)** to kick start state-of-the-art **Karnataka German Technical Training Institutes (KGTIs)** at Bengaluru, Kalaburagi, Belagavi, Mangaluru and Hubballi with the technical support of **Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) - International Services, Germany**. With the existing training centres and the promise of many more to come, KGTIs are sure to enhance employability and increase the quality of work all across the nation. KGTIs, with its world-class vocational training infrastructure has set a benchmark in skill development. The focus is to offer skill-specific training that will help students find excellent job opportunities in the global workplace and encourage entrepreneurship amongst the youth.



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**PROJECT PROMOTED BY**



[KGMSDC.COM](http://KGMSDC.COM)

[KGTTI.COM](http://KGTTI.COM)

EXCELLENCE THROUGH SKILLS

## REFRIGERATION & AIR CONDITIONING



**KARNATAKA GERMAN  
TECHNICAL TRAINING  
INSTITUTE**

Promoted by society for Karnataka German Multi Skill Development Centre (KGMSDC)  
(A Government of Karnataka undertaking)



Construction Technology sector advancements have always driven construction forward. We're able to build stronger, taller, and more energy efficient structures. Technology has made construction sites safer and workers more efficient. It has allowed to increase productivity, improve collaboration, and tackle more complex projects.

New technologies in construction are being deployed at a breakneck pace. What seemed like future tech 10, 20 years ago like connected equipment and tools, telematics, mobile apps, autonomous heavy equipment, drones, robots, augmented and virtual reality, and 3D printed buildings are here and being deployed and used on jobsites across the world.

#### Refrigeration and Air Conditioning

Air conditioner industry has seen a significant change over last few years. The AC market has witnessed a healthy growth in the recent years and if the analyst believe same growth rate would continue for few more years to come.

INDUSTRY PARTNER:



Once considered a luxury, ACs and Refrigerators are now perceived as an essential appliance even in the middle and low-income families. Given tropical Indian climate with temperatures soaring as high as 50°C it is imperative to use a robust technology and components which would empower ACs to deliver comfort cooling during the peak summers.

Air conditioning systems are vital in ensuring the comfort of people at home and in the workplace, and refrigeration systems are essential to the storage and preservation of our food resources. There is a massive acceptance of these systems in developing nations where they have not been widely used before. This increases the importance of having qualified technicians who can install service and repair such equipment.

Refrigeration and air conditioning are all things that everyone takes for granted, until they're not working. The same might be said for the supply of technicians, who keep these systems running. The Technician – Refrigeration and Air Conditioning programme is designed to address the issue of specialized skilled workforce in this



## JOB OPPORTUNITIES

RAC is a career with opportunity. In today's world, every building has a climate control system and air conditioning, every supermarket and shop has a refrigeration system or refrigerator. RAC is a service-oriented profession and always in demand. Because of the constant demand for skilled professionals, there is high income potential.



## COURSES OFFERED

REFRIGERATION TECHNICIAN

AIR CONDITIONING TECHNICIAN

REFRIGERATION AND AC TECHNICIAN

## COURSE FEATURES

- Basic Electrical and Electronics Trainer
- Absorption Refrigeration Trainer
- Split AC Trainer
- General Refrigeration Cycle with Reverse Cycle (Heating) Trainer
- Multiple Compressor Refrigeration Trainer
- Bench Top Cooling Tower
- Industrial Refrigeration and AC Controls
- Industrial Refrigeration Trainer