

GHTI **GULF HVAC** **TRAINING INSTITUTE PVT. LTD.™**

ADVANCED DIPLOMA IN INDUSTRIAL HVAC TECHNOLOGY

PROSPECTUS



Skilled
Today
Stronger
Tomorrow



ADVANCED HVAC
TRAINING PROGRAMS



PRACTICAL
LAB-BASED LEARNING



INDUSTRY-EXPERIENCED
TRAINERS



JOB-ORIENTED
COURSES



**M
C
A** MINISTRY OF
CORPORATE
AFFAIRS
GOVERNMENT OF INDIA



DPIIT
#startupindia



TRAINING CENTRE



Near Noida Sector 52 Metro Station, Noida-201301

OUR CENTRES - Siwan, Nuh, Noida, Varanasi, Goalpara, Guwahati



Regd. Office -
Okhla, New Delhi-110025



+91-9811143304
+91-9357812224



www.gulfhvacghti.com



gulfhvacghti@gmail.com

ABOUT US:

GHTI Advance HVAC Training Institute is a unit of Gulf HVAC Training Institute (GHTI) Private Limited, established with the mission to prepare skilled HVAC Technicians, Supervisors, and Designers through practical and industry-oriented training programs. With over 15 years of experience under the banner of Institute of Engineers Training (IET-Delhi), our organization has been actively working in technical skill development and career-oriented education. Today, GHTI is successfully functioning in several potential cities across India and continuously expanding its network through Regional Training Centres and Skill Development Initiatives.

Our focus is to bridge the gap between technical education and industry requirements by providing practical exposure, professional guidance, soft skills training, and placement support for students seeking careers in India and abroad.

VISION:

Our vision is to bridge the gap between potential and opportunity by providing comprehensive training programs that equip learners with the practical skills and insights needed to excel in their chosen fields. Through our commitment to excellence and innovation, we aim to empower aspiring professionals to seize the abundant opportunities that await them in the dynamic world of industry.

MISSION:

At GHTI Advance HVAC Training Institute, our mission is to deliver practical and industry-focused training programs that align with the evolving needs of the professional landscape. Central to our commitment is the provision of hands-on, practical training that equips individuals with the skills and knowledge required to excel in their respective fields. Our comprehensive training approach encompasses areas such as communication, teamwork, leadership, adaptability, and problem-solving.

PROGRAM OVERVIEW:

The Advance HVAC is an industry-oriented professional training program developed to prepare skilled manpower for the rapidly growing HVAC, Construction, Infrastructure, Manufacturing, Commercial Building, Healthcare, Hospitality, and Industrial sectors.

The Program Combines:

- Technical Theory
- Site Exposure
- Industrial Internship
- Practical Lab Training
- Safety Training
- Industrial Software Training
- Soft Skills Development

The curriculum is designed according to current industrial requirements and focuses on employability, practical implementation, and real-time project understanding.

This program supports the national mission of skill development and employment generation by creating ready-to-deploy skilled HVAC professionals for Indian and Gulf industries.

ELIGIBILITY:

Candidates from the following backgrounds may apply:

- 10th Pass with ITI
- 12th Science
- ITI (Electrical / Fitter / RAC / Mechanical)
- Diploma Holders
- B.Tech / Engineering Students
- Working Technicians

COURSE OBJECTIVES:

After completion of the program, students will be able to:

- Understand HVAC fundamentals and industrial applications
- Handle installation, operation, and maintenance of HVAC systems
- Read HVAC drawings and layouts
- Work on industrial and commercial HVAC projects
- Use modern HVAC design and drafting software
- Understand safety standards and quality procedures
- Develop professional communication and workplace skills
- Become employable in India and international markets

DETAILED CURRICULUM / SYLLABUS FOR ADVANCE HVAC :

MODULE 1	— Fundamentals of HVAC	MODULE 2	— RAC (Refrigeration & Air Conditioning)
MODULE 3	— HVAC System Components	MODULE 4	— HVAC Electrical & Controls
MODULE 5	— HVAC Design & Drafting	MODULE 6	— Installation & Execution
MODULE 7	— Industrial Safety & Quality	MODULE 8	— Soft Skills & Professional Development
MODULE 9	— Internship / Industrial Training		

Students will undergo practical industrial exposure through:

- HVAC Project Sites
- Industrial Plants
- Maintenance Companies
- Facility Management Companies
- Construction Projects

Training Areas:

- Installation
- Project Coordination
- Maintenance
- Site Supervision
- Testing & Commissioning

PRACTICAL TRAINING COVERAGE:

Students will receive hands-on training on:

- Split AC Installation
- Refrigerant Charging
- Tool Handling
- Copper Piping
- Electrical Wiring
- HVAC Instruments
- Ducting Practice
- AHU & FCU Handling
- Preventive Maintenance

ASSESSMENT SYSTEM:

Evaluation will be based on:

- Written Tests
- Project Work
- Practical Assessments
- Internship Performance
- Assignments
- Attendance & Discipline
- Viva

CERTIFICATION:

Successful candidates will receive a completion evaluation & Industrial certificate.

CAREER OPPORTUNITIES:

After successful completion, students may work as:

- HVAC Technician
- HVAC Site Engineer
- HVAC Draftsman
- HVAC Supervisor
- Maintenance Technician
- Service Engineer
- HVAC Design Assistant
- Facility Management Executive
- Project Coordinator

INDUSTRIES & SECTORS:

Employment opportunities are available in:

- Construction Companies
- Hospitals
- Shopping Malls
- Metro Rail Projects
- HVAC Contracting Firms
- Airports
- Industrial Plants
- Smart City Projects
- MEP Companies
- Hotels
- Manufacturing Units
- Facility Management Companies

EMPLOYABILITY & INDUSTRY READINESS:

This program is specially structured to create:

- Industry-ready skilled manpower
- Practical and field-ready candidates
- Employment-oriented technical professionals
- Skilled youth for domestic and international industries

THE CURRICULUM EMPHASIZES:

- Skill Development
- Technical Competency
- Practical Exposure
- Employability Enhancement
- Industrial Discipline

SPECIAL FEATURES OF THE PROGRAM:

- Industry-Oriented Curriculum
- Software Training Included
- Internship Assistance
- Practical Hands-on Training
- Soft Skills Development
- Placement Support
- Experienced Trainers
- Industrial Exposure

ADMISSION SUPPORT DOCUMENT:

This curriculum is designed to support:

- Skill Development Initiatives
- Industry Readiness Programs
- Employment Generation
- Technical Capacity Building

SPECIALIZED TRAINING PROGRAMS

GHTI offers practical and industry-oriented training programs such as:

- RAC Technician Program
- Advance Diploma in Industrial HVAC
- MEP Designing
- BIM Basics
- Soft Skills & Interview Preparation
- HVAC in Execution Program
- HVAC Designing
- Revit MEP
- Plumbing & Fire Fighting Basics
- Industrial Exposure & Site Training

OUR PROPOSED COURSES

COURSE NAME	DURATION	TRAINING MODE
RAC Technician Course	03 Months	Practical + Classroom
HVAC Execution Course	03 Months + 06 Months Industrial Training	Site Oriented
One Year Diploma in Industrial HVAC	12 Months	Advanced Practical Training
HVAC Designing with Revit	3 Months	Software + Design Training
MEP Designing Program	6 Months	Professional Industry Training

PROPOSED FEE AND DESCRIPTION

COURSE NAME	FEES	DESCRIPTION
RAC Technician Course	INR 15,500	Split/Window/+ Classroom
HVAC Execution Course	INR 45,000	Classroom/Site Oriented
One Year Diploma in HVAC	INR 92,500	RAC / PLANT AC Practical Training
HVAC Designing with Revit	INR 35,500	Software + Design Training
MEP Designing Program	INR 65,500	Professional Industry Training

ABOUT HVAC INDUSTRY:

HVAC (Heating, Ventilation & Air Conditioning) is one of the fastest-growing industries in India and abroad. Every residential building, shopping mall, hospital, airport, hotel, metro station, factory, commercial complex, and smart city project requires HVAC systems.

The rapid growth of infrastructure, construction, data centers, green buildings, and industrial projects has created a huge demand for trained HVAC professionals across India, Gulf Countries, and international markets.

HVAC Industry Transformation Report (2005–2026)

1. GROWTH OF GLOBAL HVAC MARKET

The HVAC market has grown significantly in the Market projected to reach \$577 billion by 2035.

AVERAGE GROWTH RATE:

5–7% per year globally.

Asia-Pacific region (India, China, South-east Asia) is the fastest growing HVAC market.

India alone is expected to grow around 10% annually in HVAC demand.

A). CLIMATE CHANGE

Rising global temperatures have significantly increased cooling demand. Heat waves and extreme weather conditions require HVAC for comfort and safety.

B). URBANIZATION

Rapid City development worldwide:

- High-rise buildings
- Shopping malls
- Hotels
- Hospitals
- Schools
- IT parks
- Airports
- Metro Stations

All require HVAC systems.

Construction growth is one of the biggest drivers of HVAC demand.

C). RISING INCOME LEVELS

As middle-class populations grow:

- More households purchase air conditioners
- Demand for residential cooling increases

For example, only 10% of Indian households currently have AC, which means enormous future growth potential.



D). INDOOR AIR QUALITY AWARENESS

After COVID-19, awareness increased about:

- Ventilation
- Indoor air quality Technological changes:
- Building Management Systems (BMS)
- Energy-efficient compressors
- Air filtration
- VRF / VRV systems
- Variable Refrigerant Flow technology

The industry also started focusing on:

A). EARLIER TECHNOLOGY:

- Window AC
- Basic Split AC
- Mechanical Controls

B). MODERN TECHNOLOGY:

- VRF / VRV systems
- IoT-enabled HVAC
- AI-controlled HVAC systems
- Smart thermostats
- Energy-efficient heat pumps

Smart building HVAC systems are expected to grow rapidly due to automation and energy efficiency.

2. SKILL SHORTAGE IN HVAC INDUSTRY

Despite huge demand, the HVAC industry faces a serious shortage of skilled professionals. Studies show that about 39% of HVAC companies report skilled labour shortages globally.

REASONS:

1. Traditional education lacks practical training
2. Few specialized HVAC institutes
3. Rapid growth of construction sector
4. Technology becoming more complex
5. Lack of technician training infrastructure

This creates huge opportunities for training institutes.

3. PROBLEMS FACED BY INDIAN HVAC INDUSTRY

Major challenges:

Lack of Skilled Technicians

Many technicians learn only through field experience. They lack knowledge of:

- Refrigerant management
- System diagnostics
- Energy efficiency

4. LACK OF INDUSTRY-ORIENTED TRAINING

Most ITI or polytechnic courses do not provide:

- Modern HVAC system knowledge
- Practical exposure

5. TECHNOLOGY GAP

Modern HVAC systems use:

- Automation
- Digital controls
- Smart sensors

Technicians are often not trained in these technologies.

6. JOB OPPORTUNITIES FOR HVAC TECHNICIANS

IN INDIA:

Industries requiring HVAC technicians:

ROLES:

- AC technician
- Maintenance technician
- HVAC technician
- Installation technician
- HVAC Project In-charge

SALARY:

18,000– 45,000 per month depending on the Skill experience.

IN GULF COUNTRIES:

Demand is very high due to extreme climate Countries:

- UAE
- Saudi Arabia
- Kuwait
- Qatar
- Oman

Salary 60,000– 1.5 lakh per month equivalent.

IN EUROPEAN COUNTRIES:

Europe needs HVAC professionals due to:

- Green energy transition
- Heat pump installations
- Energy efficiency regulations

However European countries require:

- Certification
- Skilled technicians

Salary potential is very high.

TRAINING FEATURES

- Experienced Industry Trainers
- Real-Time Project Exposure
- Interview Preparation Sessions
- Residential Training Facility (Selected Programs)
- Placement Assistance
- Practical Workshop & Lab Training
- Soft Skills & Personality Development
- Industrial Visits & Internship Support

TRAINING OUTCOME

Students gain:

- Strong Technical Knowledge
- Industry Exposure
- Confidence for Interviews & Job Responsibilities
- Practical Site Experience
- Professional Communication Skills
- Better Career Opportunities in India & Abroad

PLACEMENT SUPPORT

Most ITI or polytechnic courses do not provide:

Our students are working with reputed HVAC, MEP, and Facility Management companies across India and Gulf countries in roles related to execution, maintenance, drafting, designing, and project coordination.

STUDENTS HAVE BEEN PLACED IN:

- HVAC Contracting Companies
- MEP Companies
- Facility Management Firms
- Industrial & Commercial Projects
- Gulf-Based Technical Companies

WHY CHOOSE GHTI?

- ✓ 15+ Years of Training Experience
- ✓ Affordable & Career-Focused Programs
- ✓ Internship & Placement Support
- ✓ Focus on Employability & Professional Growth
- ✓ Industry-Oriented Practical Training
- ✓ Skill Development with Soft Skills
- ✓ Guidance by Experienced Professionals

Student Success Stories & Testimonials



Yogesh
Patna (Bihar)

"Before joining the HVAC training program, I had only theoretical knowledge from my diploma course. The practical exposure, site training, and software classes helped me gain confidence. Today, I am working with an HVAC contracting company and supporting my family."



Md Danish
Aligarh
(Uttar Pradesh)

"The training transformed my career. The faculty explained HVAC Designing and Execution in a very practical way. The soft skills sessions improved my communication and interview performance."



Md Mobasshir
Jaipur (Rajasthan)

"I was unemployed for more than a year after completing my diploma. After completing the HVAC course, I secured a job within two months. The placement support was excellent."



Madhurendra Kumar
Lucknow (Uttar Pradesh)

"The combination of HVAC Designing, AutoCAD, and Revit training gave me an edge over other candidates. I highly recommend this course to aspiring engineers."



Md Akram Khan
Guwahati (Assam)

"The residential training environment helped me focus completely on learning. The practical sessions and industry-oriented projects were highly beneficial."



Prakash Kumar
Gaya (Bihar)

"I learned HVAC Design Calculations, Ducting, Chilled Water Systems, and VRV/VRF concepts in a structured manner. The trainers always encouraged us to think professionally."



Tabrez Alam
Delhi

"The mock interviews and personality development classes prepared me well for the corporate world. Today, I am confidently handling client interactions."



Rahul Tripathi
Gorakhpur
(Uttar Pradesh)



Md. Akif
Varanasi
(Uttar Pradesh)

"Coming from a small town, I had limited exposure to HVAC technologies. This program opened new opportunities and gave me direction for my career."



Arbaz Ansari
Muzaffarpur
(Bihar)



Sadique Shayan
Guwahati
(Assam)

"The Revit and BIM sessions were outstanding. These skills helped me secure a better position compared to fresh graduates from my college."



Ram Pravesh Kumar
Ranchi (Jharkhand)

"The internship support and industry networking opportunities were extremely valuable. I gained practical experience before entering the job market."

• OUR STUDENT TRAINING •



DIRECTOR'S MESSAGE

Skill Today, Success Tomorrow



Dear Students,

Welcome to GHTI Advance HVAC Training Institute. Our mission is to bridge the gap between technical education and real industrial requirements. Today, the HVAC industry is growing rapidly in India and Gulf countries, creating excellent career opportunities for skilled professionals.

At our institute, we focus on maximum practical training, industry exposure, personality development, and job-oriented education so that every student becomes confident and employment-ready. We believe that skill development is the strongest path toward self-reliance and professional success.

I invite every aspiring student to join this journey of learning, discipline, and career growth. Together, we can build a brighter future.

Best Wishes,

Gurjeet Singh Chhatwal

GHTI Advance HVAC Training Institute

Building Skilled Professionals for Global Opportunities

DIRECTOR'S MESSAGE



Dear Aspirants,

It gives me immense pleasure to welcome you to GHTI Advance HVAC Training Institute, a platform dedicated to creating technically strong and professionally confident candidates.

The modern HVAC industry requires trained skilled manpower with practical knowledge, communication skills, and professional ethics. Our institute is committed to delivering quality technical education through experienced trainers, modern training methods, and industrial exposure.

We aim not only to train students but also to guide them toward meaningful careers and employment opportunities in India and abroad. Your dedication and our guidance can create a successful future together.

Best Wishes,

Sayed Aftab Ahmad

GHTI Advance HVAC Training Institute

DIRECTOR'S MESSAGE

Empowering Youth Through Technical Education



Dear Students & Parents,

Technical education plays a vital role in transforming the lives of young people. At GHTI Advance HVAC Training Institute, we are committed to empowering youth with industry-relevant skills and maximum practical expertise.

Our training programs are carefully designed to match current industrial standards and employer expectations. Along with technical knowledge, we also emphasize discipline, confidence, teamwork, and communication skills.

We strongly believe that every student has the potential to achieve success when provided with the right guidance and opportunities. We welcome you to become a part of our growing professional family.

Best Wishes,

Vijay Kumar Tiwari

GHTI Advance HVAC Training Institute

A Step Towards a Professional Career

DIRECTOR'S MESSAGE



Dear Technical Professionals,

The HVAC sector is one of the fastest-growing industries with tremendous opportunities in infrastructure, construction, manufacturing, and international projects. Skilled professionals are highly valued across the globe.

At GHTI Advance HVAC Training Institute, our objective is to prepare students with practical knowledge, industrial awareness, and professional confidence. We focus on hands-on practical learning, project-based training, and industry-oriented development.

Our vision is to create a generation of skilled and responsible professionals who can contribute positively to society and industry. I encourage every student to learn with dedication and move forward with confidence.

Best Wishes,

Manish Joshi

GHTI Advance HVAC Training Institute



GHTI

ADVANCE

HVAC TRAINING INSTITUTE™

A Unit of Gulf HVAC Training Institute (GHTI) Pvt. Ltd.

TRAINING CENTRE

NEW DELHI | NOIDA | ALIGARH | VARANASI | GUWAHATI

REGD. OFFICE :

E-242/B1, Opp. Jasola-Shaheen Bagh
Metro Station, Okhla, New Delhi-110025



+91-9811143304
+91-9335761224



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