AC REPAIRING

ENGINEERING

6 Months Program

3 Months E-Learning
3 Months Internship

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Education for a Job

What is AC Repair Engineering

The AC Repair process is essentially the process of restoring an air conditioner to working order. Though each unit requires a unique approach to service, the general method involves inspecting the various components of the system, servicing what needs servicing and performing any repairs that are deemed necessary.

Tutor Details

Mr. Arul Prakash is an outstanding specialist in Air Conditioning and Cooling Technology with a notable B.Voc. in Refrigeration and Air Conditioning. He has a commendable five years of unbeatable professional experience as an AC Technician and two years of experience in Voltas. Ranging from the Installation of Air Conditioning systems, Maintenance & Repair, D.D.C. Building Control & Pneumatic Section, and Refrigerator Service Section, his competence is unmatched.

Arul Prakash

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Course Structure

- ➤ 3 months E-Learning
- ➤ 3 months Internship
- ➤ Live Session for Doubt Clearance (Monday to Friday 10 AM to 7 PM)
- ➤ 100% Placement Assistance

Certification

AVODHA Course Completion Certficate

Certified Automation Professional(CAP) (PAID)

Fees Structure

- ➤ Admission Fee : 3,800
- ➤ Total Fee : 13,800

Avodha provides Job-oriented courses in an affordable price. The total price of our course is ₹13,800/- ; but to avail the course, he/she has to pay only ₹3,800/- as an admission fee & rest of the amount ₹10,000/- has to be paid only after getting the job related to the course he/she joined at Avodha, ie., The first installment ₹5,000/- has to pay on the first day of his/her employment in a job wherein they are placed through Avodha. And the second payment of ₹5,000/- needs to be done once the student completes 30 days of employment in the Job they have been placed via Avodha.

INTRODUCTION

➤ Definition

HISTORY

➤ Methods of Refrigeration
➤ Units of Refrigeration
➤ Heat and Temperature
➤ Pressure
➤ Work, Power, Energy
➤ Laws

REFRIGERATION SYSTEMS

➤ Vapor Compressions Systems
➤ Vapor Absorption Systems

PROCESSES INVOLVING IN REFRIGERATION

➤ Compression
➤ Condensation
➤ Expansion
➤ Evaporation

REFRIGERANTS

➤ Introduction to Refrigerants
➤ Classification of Refrigerants
➤ Properties
➤ secondary Refrigerants

COMPRESSORS

➤ Introduction to Compressors
➤ Classification of Compressors

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AC Repair Engineering

- ➤ Reciprocating Compressor
- ➤ Hermetic Sealed Compressor
- ➤ Rotary Compressor
- ➤ Centrifugal Compressor

CONDENSERS

- ➤ Factors Affecting Condensation
- ➤ Classification of Condensers
- ➤ Air Cooled Condenser
- ➤ Water Cooled Condenser
- ➤ Evaporative Condenser
- ➤ Cooling Tower
- ➤ Types of Cooling Tower

EVAPORATORS

- ➤ Capacity And Heat Transfer of Evaporator
- ➤ Types of Evaporators
- ➤ Classification of Evaporator Based on Construction

- ➤ Classification of Evaporator Based on Liquid FED
- ➤ Classification of Evaporator Based on Mode of Heat Transfer
- ➤ Classification of Evaporator Based on Operation Conditions
- ➤ Defrosting

EXPANSION DEVICES

- ➤ Types of Expansions Devices
- ➤ Hand Operated Expansions Devices
- ➤ Automatic Expansions Devices
- ➤ Thermostatic Expansions Devices
- ➤ Float Valves

➤ Refrigerators And Freezer
➤ Room Air Conditioner
➤ Industrial Air Conditioning
➤ Refrigerated Trucks
➤ ICE Manufacture
➤ Cold Storage
➤ Freeze Drying

FANS

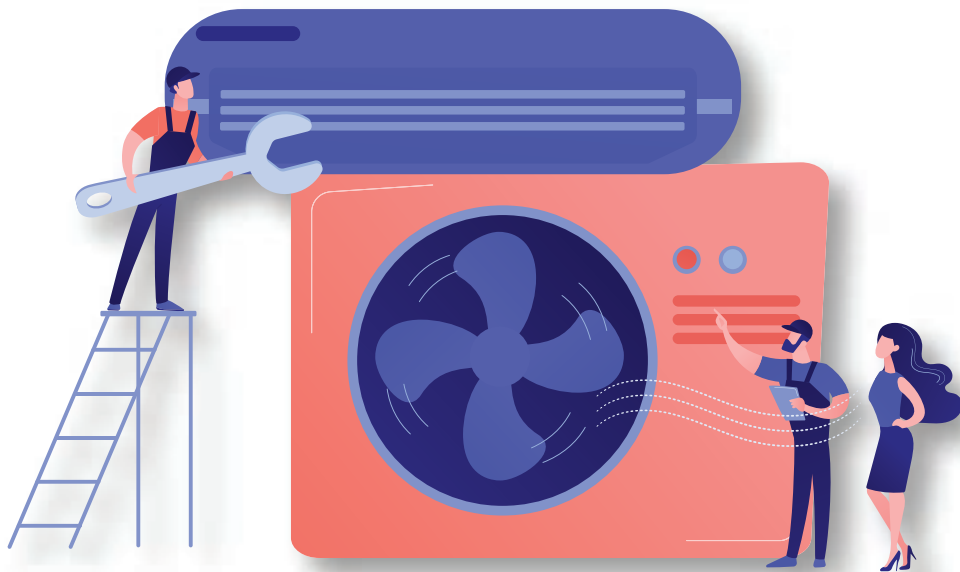➤ Capacitor and Types
➤ Relays

TOOLS

➤ Basic Tools
➤ Refrigeration Tools

ADDITIONAL CLASSES

➤ A/C Remote
➤ Brazing
➤ Gas Charging
➤ Relay Wiring
➤ Fan Motor Complaint Outdoor
➤ Pressure Test
➤ Protecting Device
➤ PCB Replacement
➤ Thermostat Switch
➤ A/C Service Indoor Unit
➤ A/C Service Outdoor Unit
➤ Compressor Fault
➤ Fan Leaf Complaint Outdoor
➤ Types of Fans

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AC Repair Engineering

- Abnormal Sound Outdoor
- Coil Leak and Replacement
- Compressor
- Split A/C Working
- Swing Complaint
- Water Cooler
- Window A/C Assembling
- Window A/C Coil Leak
- Window A/C Compressor Fault
- Window A/C Dismantling
- Window A/C Fan Motor
- Window A/C PCB Replacement
- Window A/C Service
- Working of Window A/C

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AC Repair Engineering

Offline Center

Kochi
(Head Quarters)

Hyderabad

Mumbai

Bangalore

Chennai

Delhi

Trivandrum

Ernakulam

Kannur

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Thrissur

Kottayam

Kozhikode

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