

BMS Systems & HVACR

Operation, Maintenance & Troubleshooting

In-House course is also available upon request and can be customized as per client's needs.

19 - 25 June, 2022
Dubai - UAE

This course is designed specially to improve the qualifications of the trainees in order to satisfy the requirements of the BMS Systems & HVACR Engineering, Design, Operation, Maintenance & Troubleshooting. For getting High Performance and Efficiency in the system through optimization conditions.

Also, the course including the principle of refrigeration cycles, refrigeration cycle components, different types of HVACR systems, special tools and instruments for HVACR technician, servicing of Refrigeration cycle, service diagnosis and repairs, Inspection and maintenance of HVACR components and system and testing and troubleshooting of HVACR components which are matching with updating technology.

WHO SHOULD ATTEND?

This course is designed for Engineers, Supervisors, and Highly Qualified Operators and Technicians working in Operation & Maintenance of **HVACR** systems. This course is also beneficial for the Service / Equipment Sales Engineers & Contractors monitoring personals to refresh their information about **HVACR** systems.

COURSE OBJECTIVES:

- Understanding the Principles of Refrigeration Cycle and Air Conditioning Units
- Identify and test the special tools & equipment for HVACR Maintenance Care and Inspection
- Understanding new refrigerants technology related to Ozone depilation and global warming phenomena
- Understanding Servicing of Refrigeration Cycle and Electrical Circuit Protection of HVACR units
- Understanding the services diagnosis and repairs then troubleshooting and fault fining for Investigation
- Learn how to calculate HVACR Efficiency and how to enhance Performance of the System and Accessories

COURSE CONTENTS:

- Fundamentals of AC Refrigeration, AC Cycles
- Introduction to BMS System Tools & Techniques
- HVACR Design for High Performance / Efficiency
- Electrical Circuits, Protection, and Instrumentation
- HVAC Integration with Building Automation System
- BMS & DCIM Integration, How it works & Benefits
- High-performing Automation for Public Buildings
- Cost Optimization Model, Utilization Factor
- Servicing and Maintenance Strategies with KPIs
- System Inspection, Calibration, Testing Activities
- Troubleshooting of Units and their Accessories

GET IN TOUCH

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Course Summary & Conclusion

