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HVAC: Heating, Ventilation & Air Conditioning (HVAC) Technician

⇒ Course 01: Level 3 Heating, Ventilation & Air Conditioning (HVAC) Technician

- Module 01: Introduction to Heating, Ventilation & Air Conditioning (HVAC)
- Module 02: Heating Fundamentals and Psychrometrics
- Module 03: Systems
- Module 04: Heating and Ventilation
- Module 05: Air Conditioning Systems for Technicians
- Module 06: Compressors, Water Chillers, and Fans
- Module 07: Piping for Technician
- Module 08: Duct System in HVAC
- Module 09: Refrigeration and Refrigerants
- Module 10: Special Applications
- Module 11: System Selection
- Module 12: Safety in the Industry

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⇒ Course 02: Electricity & Circuit Analysis Level 3

- Ch – 00 Intro Basic Electricity
- Ch – 01 The Nature of Electricity
- Ch – 02 Conductors & Insulators
- Ch – 03 Current and Electric Circuits
- Ch – 04 Ohm's Law
- Ch – 05 Electric Power
- Ch – 06 Series & Parallel Circuits
- Ch – 07 Circuit Theorems
- Ch – 08 Electric Fields and Capacitance
- Ch – 09 Magnetism and Inductance
- Ch – 10 Transient Response Capacitors & Inductors

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⇒ Course 03: PAT Level 4

- Module 01: Introduction to PAT
- Module 02: Relevant Statutory Provisions for PAT
- Module 03: Risk Assessment
- Module 04: Reducing and Controlling Risks
- Module 05: Electrical Units and Appliance Classification
- Module 06: Initial Visual Examination

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⇒ Course 04: Electric Power Metering for Single and Three Phase Systems

- Module 01: Basic Metering Introduction
- Module 02: Power & Energy
- Module 03: AC Power
- Module 04: Instrumentation
- Module 05: Single Phase Metering
- Module 06: Instrument Transformers

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⇒ Course 05: Energy Saving in Electric Motors

- Introduction
- Classification
- Terminologies
- Losses
- Energy saving in motors
- Energy Efficient Motor

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⇒ Course 06: Electrical and Fire Safety Training - Level 2

- Introduction and Basics
- Introduction to Fire Safety
- Voltage and Resistance
- Capacitance and Capacitors
- Safety Precautions

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⇒ Course 07: Digital Electric Circuits & Intelligent Electrical Devices

- Introduction
- Numbering Systems
- Binary Arithmetic
- Logic Gates
- Flip-Flops
- Counters & Shift Registers
- Adders

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⇒ Course 08: Fall Prevention During Working at Height

- Fall Prevention During Working at Height
- Introduction, Regulations and Duties
- Risk Assessment and Prevention
- Work at Height Equipment

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⇒ Course 09: Manual Handling Level 2

- Introduction, Legislation and Guidance
- Manual Handling Hazards and Injuries
- Manual Handling Risk Assessments
- Controlling and Reducing the Risks
- Safe Lifting Techniques

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⇒ Course 10: Emergency First Aid and Incident Management at Work

- Introduction to Workplace First Aid
- Legal Framework for Workplace First Aid
- Incident Management at Work
- Primary Survey
- Secondary Survey
- Basic First-Aid Techniques
- Dealing with Minor Injuries at the Workplace

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⇒ Course 11: Time Management

- Identifying Goals
- Effective Energy Distribution
- Working with Your Personal Style
- Building Your Toolbox
- Establishing Your Action Plan

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