

*Looking for a course
that's fit for your
learning and
development needs?*

Electrical Installation and Machine Maintenance

Code: EIMM

Duration: 16 Hours

Synopsis:

This course is designed to provide participants with the knowledge on electrical installation and the maintenance of electrical motor starters and control circuits.

Course Objective:

On completion of this course, participants will be able to:

- Install electric cabling and wiring systems
- Inspect and test completed electrical installations
- Perform the maintenance and troubleshooting on electrical motor starters and control circuits

Course Outline:

This course will cover:

- Wire and test a control circuit for DOL starting of a three-phase induction motor
- Wire and test a control circuit for a star-delta starter
- Test the operation of a Telemecanique ATS 01N206QN soft starter with a 3-phase induction motor
- Safe Working Procedures in Electrical Lab
- Electrical Standards, Regulations and Codes of Practice
- Electric Cables including New Cable Colour Code
- Transformer
- Three-Phase Induction Motors
- Motor Starters
- Test Equipment and Instruments
- Troubleshooting Common Faults on Motor

For Whom:

Suitable for personnel from vocations other than electrical and electronic engineering, people who are involved in quality inspection or technical product applications as well as those who wish to upgrade their knowledge and skills.

Entry Requirements:

Participants are assumed to:

- Have a basic knowledge of the Singapore Workplace Safety and Health requirements;
- Be able to listen, read and write English at a proficiency level equivalent to the Employability Skills System (ESS) level 4 and above;
- Be able to manipulate numbers at a proficiency level equivalent to Employability Skills System (ESS) level 4 and above.

Training Medium:

This course is conducted in English.

Training Methodology:

This course is delivered through lectures, discussions, demonstration and hands-on practices.

Assessment Methodology:

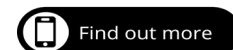
Written assessment is conducted at the end of the course.

Certification:

A Certificate of Proficiency will be awarded to participants upon completing and passing the assessment. Otherwise, a Certificate of Participation will be issued to those who attained a minimum attendance of 75%.

Contact Us:

For further information or registration, please contact +65 6483 2535 or email emarketing@elitic.com



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