



The **Electrical Plant Operations (Level 1)** personnel are competent in performing the following core competencies:

- Plant Wiring System Operations
- Plant LV Switchboard Operations
- Plant LV Underground Cable Installation And Maintenance
- Plant Battery System Operations
- Plant LV Motor Operations

Optionally, the **Electrical Plant Operations (Level 1)** personnel are competent in performing the following elective competency:

- Statistical Control Activities

The **Electrical Plant Operations (Level 2)** personnel are competent in performing the following core competencies:

- Plant Generator Operation
- Plant Transformer Operation
- Plant UPS System Operation
- Plant Electrical Protection System Operation
- Plant Instruments Installation and Maintenance

Optionally, the **Electrical Plant Operations (Level 2)** personnel are competent in performing the following elective competency:

- Programmable Logic Controller Installation

The **Instrument Plant Junior Technician (Level 1)** personnel are competent in performing the following core competencies:

- Basic Process Instrument Maintenance
- Analytical Instrument Maintenance
- Basic DCS And PLC Maintenance
- Basic Gas Detection System Maintenance

The **Instrument Technician Plant (Level 2)** personnel are competent in performing the following core competencies:

- Process Instrument Maintenance
- DCS And PLC Maintenance
- Fire and Gas Detection System Maintenance
- Plant Instrument Functionality Test

The **Mechanical Plant Maintenance Operation (Level 3)** personnel are competent in performing the following core competencies:

- Mechanical Transmission Overhaul
- Pump Overhaul
- Rotating Equipment Overhaul
- Static Equipment Works Supervision
- Inventory Management

Optionally, the **Mechanical Plant Maintenance Operation (Level 3)** personnel are competent in performing the following elective competency:-

- Instrument Installation And Maintenance

The **Mechanical Plant Maintenance Operation (Level 2)** personnel are competent in performing the following core competencies:

- Rigging and Slings Works
- Plant Piping Servicing
- Pressure Relieving Devices Testing
- Mechanical Transmission Servicing
- Pump Servicing
- Rotating Equipment Servicing
- Static Equipment Servicing

Optionally, the **Mechanical Plant Maintenance Operation (Level 2)** personnel are competent in performing the following elective competency:-

- Condition Base Monitoring on rotating equipment
- Non Destructive Testing of Static Equipment

The **Mechanical Plant Maintenance Operation (Level 1)** personnel are competent in performing the following core competencies:

- Plant Workshop Activities
- Piping System Maintenance
- Pressure Relieving Devices Maintenance
- Plant System Isolation
- Plant Mechanical Transmission Maintenance
- Pump Maintenance
- Plant Rotating Equipment Maintenance
- Static Equipment Maintenance.



Piping Fabrication Operation Personnel (Level 2) is designated to carry out the necessary operations to produce pipe spools. Tasks include:

- Performing Piping Fabrication Material Preparation
- Performing Pipe Cutting Work Handling
- Performing Pipe Jointing (Fit Up)
- Performing Pipe Support Preparation

Piping Fabrication Operation Personnel (Level 3) is designated to carry out the necessary operations to manage pipe spool production. Tasks include:

- Performing Pipe Fitting Administrative Function
- Performing Piping Fabrication Work Preparation
- Performing Fit up Inspection
- Performing Pipe Spool Final Inspection
- Performing Pipe Fabrication Safety Monitoring



PROGRAMME OFFER :

Level 1

- Foundation Certificate in Oil and Gas

Level 2 & Level 3

- Intermediate Certificate in Electrical Plant Maintenance
- Intermediate Certificate in Instrument Plant Maintenance
- Intermediate Certificate in Mechanical Maintenance
- Intermediate Certificate in Piping Fabrication Operation

OTHER PROGRAMMES

Basic Offshore Safety Introduction and Emergency
Basic Emergency First Aid

The admission criteria to enroll into each level of the programme are as follows:

- Level 1 - STPM or equivalent, Matriculation, A-Level and Foundation in Engineering
- Level 2 - Competent Level 1
- Level 3 - Competent Level 2

SEAT FOR THE INTAKE 2014 SEMESTER ARE LIMITED UP TO 500 STUDENTS ONLY

ARMAG OIL & GAS ACADEMY

No.75B, JALAN PELABUR B 23/B
SECTION 23,
40300 SHAH ALAM,
SELANGOR DARUL EHSAN
TEL : +603 5523 1184
FAX : +603 5523 1184

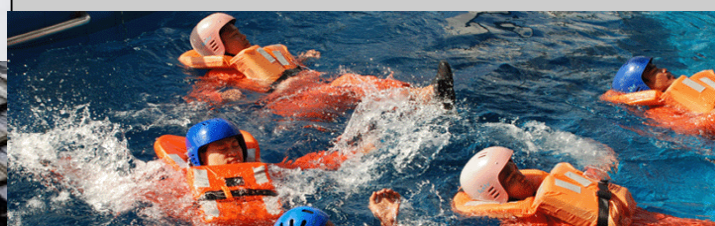
Email : admin@armagmalaysia.com
Website : <http://www.aoga.yolasite.com>



Introduction

These policy reforms were fundamentally geared towards improving the quality as well as productivity of the country's skilled labour force, hence helping to enhance the competitive position of the Malaysian economy at large. The changes were also brought on to seek more effective coordination for the diverse vocational training activities that are carried out by both the public and private sectors in Malaysia, and to gear them towards meeting the actual needs of the Malaysian industry. The two basic thrusts of the above-said reforms are detailed as follows:

- To reinforce the adoption of Competency-Based Education/ Learning (CBE/L) principles in the vocational training system in Malaysia. This approach basically involves the shifting of emphasis from an instructor-centred approach towards a trainee-centred approach, entailing the identification of distinct and verifiable competencies that are actually required in the working world, apart from focusing on actual performances in the assessment of these competencies.
- To make the National Skills Certification System in Malaysia more flexible, accessible and user-friendly. The shift towards CBE/L has resulted in the attempts by JPK to develop a national vocational training system that is characterized by some of the following features:
- The competencies to be achieved in training for a particular job are identified by expert workers and practitioners, which are clearly defined and spelt out in NOSS.
- The competencies are clustered around modules, which are called "duties" in NOSS, so as to enable training as well as assessment and certification to be more flexibly-packaged and undertaken.
- The assessment of competencies places emphasis on actual performance that are based on specified criteria.
- Self-paced learning that is increasingly becoming the norm in training, where trainees would progress at their own pace



Self-directed learning that is also increasingly becoming a key feature of training, where trainees would take greater responsibilities for their own learning process while instructors, would on the other hand, function as merely facilitators or resource persons.



MINISTRY OF HUMAN RESOURCES



Jabatan Pembangunan
Kemahiran

