

# EIN 101 : MANAGEMENT & MAINTENANCE OF SURVEY METER

## Introduction:

The survey meter is the most significant resource a radiation worker has to determine the presence and intensity of radiation. A review of incident and over exposure reports indicate that a majority of these type of events occurred when a worker did not have or did not use a survey meter. Nevertheless, all radiation sources used shall be maintained and verified appropriately, at least once a year and only trained and authorised persons are allowed to maintain, calibrate and verify the performance and safety of the equipment.

This 2-days course is designed to provide understanding on how the equipment will continue to operate reliably and optimally which satisfy the needs for optimization of exposure in radiation protection.

## Objective:

- To introduce basic principle of nuclear radiation, radiation detection & measurements and nuclear instrumentations & maintenance
- To be able to identify the failure and malfunction of the instruments
- To familiarise with the instrument trouble shooting
- To understand the maintenance and calibration of electronic instruments for accuracy and durability

## Content:

- Basic nuclear physics
- Principle of Radiation Protection
- Calibration of Survey Meter
- Characteristic Selection of Survey Meter
- Maintenance of nuclear instrumentation
- Radiation interaction with matter
- Introduction to detectors
- Investigate Damage of Survey Meter
- Circuit of Survey Meter Radiation Detector System
- Digital Survey Meter
- Troubleshooting
- Fault Finding and Identification
- Experiment on survey meter and power supply

## Methodology

- Lecture
- Tutorial
- Practical
- Demonstration

## Who Should Attend

Radiation protection officer (RPO), radiation protection supervisor (RPS), safety officer, radiation worker, technicians, laboratory assistant, supplier of radiation equipments and those who are involved and interested in management and maintenance of survey meter

## Your Investment

Package	RM (per pax)
Single Registration	930.00
Single Registration with IPTN	883.00
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