

PENETRANT TESTING (NDT-PT2)

SABAH SKILLS & TECHNOLOGY CENTRE

OBJECTIVES

At the end of the course, attendees shall be able to:

- Select suitable NDT technique and test method to be used
- Define the limitations of application of the testing method
- Translate NDT standards and specifications into NDT instructions
- Conduct test as per specifications
- Interpret and evaluate results according to applicable standards
- Organise and report the results of non-destructive tests
- Meets syllabus requirements for Level 2 – PCN or EN 473

COURSE CONTENTS

- General Theory - Principles of Penetrant Testing
- Limitations - Advantages and disadvantages
- Terminology associated with penetrant flaw detection
- Penetrant: color contrast, fluorescent, combined colour contrast and fluorescent. Penetrant removers
- Fixed installations, portable inspection kits and auxiliary equipment
- Sensitivity and Control Testing - Test blocks
- Testing Technique - Selection of appropriate technique
- Viewing conditions
- False indications and their cause
- Detectability of Defects
- Interpretation and Reporting including acceptance criteria
- Post Test Procedures Cleaning
- Safety Precautions – Fire hazards, electrical safety, safe use of UV(A) radiation
- Standards, codes and specifications
- Product Technology Theory - Basic Casting and Forgings Production
- Basic Welding Processes, Terms and weld defects
- Practical - Instruction Writing and testing , Standards and Specifications

WHO SHOULD ATTEND

Technicians, Instructors, Surveyors, Engineers, NDT supervisors, QA/QC inspectors or anyone who is interested in NDT and requiring a general knowledge of NDT methods and ideal preparation for PCN examinations.

RESOURCE PERSON

Nizaha binti Mohamed Ashari is currently the full time instructor for Magnetic Testing and Penetrant Testing with MINDT since 2006. She also has a Master's degree in Telecommunication Engineering from Universiti Malaya and also an Electrical Engineering degree from Universiti Teknologi Malaysia.

Duration
6 Days

SSTC Member
RM 5,787.60

Non SSTC Member
RM 5,904.20

FSI's Member
RM 5,845.90

Fee is inclusive of refreshment, lunch, course materials and certificate of attendance

*Rates inclusive of 6% GST

Sabah Skills & Technology Centre

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