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FOUNDATIONAL INTRODUCTORY COURSES

Introductory Technical Courses

NON-DESTRUCTIVE TESTING (NDT) APPRECIATION/INTRODUCTION (RTO/NDT 4)

Description

A foundational course providing an overview of NDT principles, methods, and applications across various industries. Ideal for beginners and those seeking a general understanding of NDT.



Duration
3 Days



Entry Requirements

SPM (Sijil Pelajaran Malaysia) or equivalent.

Participants will receive official certificates issued by NMUC and UCTATI.

BINDT certificates will be awarded upon successful completion of the examination.

Course Contents

- Introduction to NDT: Concepts, benefits, and limitations.
- Overview of Major NDT Methods: Visual Testing (VT), Liquid Penetrant Testing (PT), Magnetic Particle Testing (MT), Ultrasonic Testing (UT), Radiographic Testing (RT), Eddy Current Testing (ET).
- Applications of NDT: Examples in engineering, fabrication, construction, and other industries.
- NDT Standards and Codes: Introduction to relevant standards (e.g., ISO, EN, ASTM).
- Reporting and Documentation: Basic principles of NDT reporting.



Hybrid learning system available: Physical, Online, or a combination of both.

Most modules involve hands-on physical training.

PRODUCT TECHNOLOGY (RTO/PRT 4)

Description

Provides a fundamental knowledge of materials, manufacturing processes (welding, casting, forging), and associated metallurgy relevant to inspection.



Duration
2 Days



Entry Requirements

SPM (Sijil Pelajaran Malaysia) or equivalent.

Participants will receive official certificates issued by NMUC and UCTATI.

BINDT certificates will be awarded upon successful completion of the examination.

Course Contents

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| ➤ Definition of Metals | ➤ Steel making | ➤ Definition of different steel types and associated structures |
| ➤ Explanation of elements and the periodic table | ➤ Hot working of metals | ➤ Basic welding techniques |
| ➤ Extraction Metallurgy | ➤ Primary and secondary | ➤ Defects associated with welding, casting, and forging |
| ➤ Iron Making | ➤ Forging methods | ➤ Mechanical testing |
| ➤ Production metallurgy | ➤ Casting methods | |
| | ➤ Heat treatment | |

Training locations: **Johor & Terengganu**

