**Penetrant Testing Level II**

**Course Objectives:**

* Review of Basic principles, Process of various methods and Equipment.
* Selection of the Appropriate Penetrant Testing Method.
* Advantages & Disadvantages of various methods.
* Inspection and Evaluation of Indications.
* General topics like discontinuities inherent in various materials, Appearance of indications, time for indications to appear, Persistence of indications, Effects of temperature and lighting (white to UV).
* Effects of metal smearing operations, preferred sequence for Penetrant inspection.
* Part preparation & Factors affecting indications like Penetrant used, prior processing & Technique used.
* Indications & Evaluation of indications.
* Process control, Procedures and Standards.
* Applicable methods/processes.
* Standards/codes & Acceptance criteria based on the customer procedure.
* Testing of many numbers of flawed specimens using various liquid penetration tests.

**Course Outlines:**

* Hands-On Practical on weld specimens with Plate, Pipe, T, Nod and Nozzle configurations.
* Reviews & Discussions.
* Mock Up Tests, Home Works, and Examinations.
* Test will be conducted in 3 methods:

1. General 2. Specific 3. Practical

* The candidate successfully completes the course if he gets a minimum score of 70% in each test (General, Specific and Practical) & a minimum of 80% for the average of 3 tests.

**Penetrant Testing Level II**

**Who Should Attend?**

* Should be High School graduate of science branch (minimum recommended level of education).
* Should have a minimum experience of 140 hours in method and 270 hours in NDT.
* Certificates: Near Vision acuity (Jaeger Number 2 or Ortho-Rater 8), and Color Contrast Differentiation has to be submitted at the time of registration.

**Duration:** 5 Days

**For more information:**

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