**Penetrant Testing Level I**

**Course Objectives:**

* Brief history of liquid penetrant testing; Purpose of liquid penetrant testing.
* Basic principles & Types of liquid penetrant.
* Steps in Liquid Penetrant Processing & Various Penetrant Testing Methods.
* Characteristics & General applications of each method.
* Liquid penetrant testing units & Lighting meters.
* Materials & Precautions in liquid penetrant testing.
* Testing of many numbers of flawed specimens using various liquid penetration tests.
* Retaining sample to original state after testing.

**Course Outlines:**

* Hands-On Practical on weld specimens with Plate, Pipe, T, Nod & 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) and a minimum of 80% for the average of 3 tests.

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**Who Should Attend?**

* Should be High School graduate of science branch (minimum recommended level of education).
* Should have a minimum experience of 70 hours in method and 130 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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