**Ultrasonic Testing Level I**

**Course Objectives:**

1. Personnel Certification.
2. Attenuation.
3. Manufacturing discontinuities.
4. Thickness measurement.
5. Wave modes.
6. Immersion testing.
7. Acoustic impedance.
8. Flaw detection - 0 degree.
9. Refraction and reflection.
10. Specific angle probe calibration.
11. Piezoelectric transducers.
12. Pulser receiver.

**Course Outlines:**

* Hands-On Practical on many corroded specimens and Lamination check for Plate & Pipes.
* Hands-On Practical on Flawed forged specimens.
* Review & 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.

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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 210 hours in method and 400 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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