



## Non Destructive Testing Techniques (UT Level II)

### Objective

To provide the requisite knowledge & skill on Non-destructive testing on materials through use of Ultra-Sonics only. The course is designed as per recommended practice no. **SNT – TC - 1A of ASNT for personnel qualification and certification in Non-Destructive Testing** . The course is practice oriented with ratio of theory to practice instruction hours of 40:60.

**Duration** : 10 days

### Target Participants

Engineers / Supervisors/Inspectors/Technicians engaged in non-destructive testing.

### Topical Overview

Overview on Non-destructive Testing of Materials, Fundamentals of Sound Waves, Fundamentals of Ultrasonic Wave, , Testing Equipment & Accessories, Operation of Specific Equipment, Calibration of UT Equipment with Different Types of Probe, Testing Techniques & their Limitations, Basic Metallurgy & Types of Flaw, Specific Applications of Ultrasonic, Codes, Standards & Specifications, Evaluation & Interpretation of Results, Defects, Discontinuities & Characterization of Flaws.

### Eligibility

- Higher Secondary or equivalent in Science with Physics & Maths & with at least 3 years of working experience in the field.
- Degree/Diploma in Engg or B.Sc with Physics & Maths with working experience of 1 year as level - I.

### Direct access to Level – II

Diploma in Engineering / Degree in Science with Physics & Maths with 2 years of experience.

Degree in Engineering / M.Sc with Physics & Maths With 1½ years of experience.