



RADIANT NDT SERVICES

ALL NDT EQUIPMENT CALIBRATION & NDT CONSULTANCY

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Your Clients can VERIFICATION our NDT Certificate through our website

SHARING EXPERTISE CREATING PROFESSIONAL

NDT TRAINING & CERTIFICATION COURSE

ULTRASONIC TESTING

LEVEL I & LEVEL II

AS PER SNT TC 1A 2016 PERSONNEL QUALIFICATION & CERTIFICATION IN NDT		
TRAINING	LEVEL-I 40 Hours	LEVEL-II 40 Hours
EXPERIENCE	LEVEL-I 210 Hours	LEVEL-II 630 Hours

OVERVIEW:

The course is intended to provide through knowledge in the principles of Ultrasonic Testing and Fundamentals of materials and processes such that the trainee would be able to identify suitability for the material and inspection techniques, developing techniques and procedures analyze the test results and documentation the same and be familiar with Codes, Standards and Specifications.

Theories of Ultrasonic Testing:

COURSE CONTENTS:

LEVEL-I

1. Properties of sound waves
2. Generation of Ultrasonic waves
3. Interaction of Ultrasound with matter & its boundaries.
4. Piezo electric effect of material
5. Types of search unit (probes)
6. Ultrasonic Flaw detector
7. Techniques Used
8. Test variables
9. Inspection procedures
10. Discontinuity types

Practical for Level-I

Calibration for Ultrasonic Flaw Detector
Various type of Transducers (Longitudinal Wave Shear wave), Single & Dual Transducers.
Standards Block IIWV1 & IIWV2, IOW & Step block.
Various Type Flaw detection, find nature of Flaw and Sizing the Flaw methods.

For More Information's:

Call :+91-9836620244 or email to radiantndtgroup@gmail.com

TRAINING COURSE SCHEDULES:

Visit our website: radiantndtservices.com

Review of Level-I Course +

LEVEL-II

1. In-depth study of test variables
2. Immersion Techniques
3. Principles of DAC/TGC/DGS
4. Echo dynamics for Reflector Evaluation
5. Codes, Standards & Procedures
6. Through Transmission Technique
7. Processes & Discontinuities
8. Acceptance Standards
9. Horizontal & Vertical Linearity cheque of flaw detector .
10. Interpretation & Evaluations

Practical for Level-II

Same as for Level-I + interpretation & Evaluations of Flaw, using the reference Blocks Reference dB for DAC/TGC/DGS
Evaluation methods and Echo dynamics, Beam Profile and Plotting.