

TRINITY NDT WELDSOLUTIONS PVT. LTD.

Aerospace and Advanced NDT | Centre of Excellence in Welding | Training

NDT Training Outline

Radiography Testing
Level I, II Courses

Brochure

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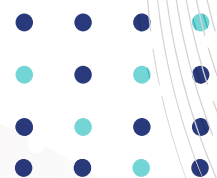
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Sreshta Udyama Seva Puraskar 2022
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Radiography Testing Course Overview

The course is intended to provide through grounding in the principle of Radiographic Testing-RT and fundamentals of material and process such that the trainee would be able to

- Identify suitability of RT for the material and inspection technique
- Develop techniques and procedures that can be followed by a Level I operator
- Analyse the test result and document the same
- Be familiar with codes, standards and specifications to evaluate results
- Be conversant with all statutory, safety norms of the authorities under jurisdiction.



Training & Certification as per Written Practice Framed to Requirements of ASNT SNT TC 1A Initial training & Experience

Training	Level I : 40 Hours	Level II: 40 Hours
Experience	Level I: 210 Hours	Level II: 630 Hours

Note: For Direct Level II, training and experience consists of the sum of of the hours for Level I & 2

Course Contents Outline

RT Level I Training

1. Nuclear Physics-Interaction of Radiation with Matter,
2. Shielding, Radiation Detectors, Biological Effects,
3. Radiation Protection, Basic Rules & Techniques,
4. Sources of Radiation and their characteristics,
5. Film Radiography
6. Film Processing,
7. Inspection Techniques and Procedures,
8. Sensitivity & Definition, I.Q.I's, Other Accessories,
- 9 Types of Discontinuities.

RT Level I Practicals

Radiography of Castings and welds using X-ray and Gamma ray

RT Level II Training

Review of Level I Course

1. Non-conventional Radiography,
2. Techniques in radiography
3. Codes, standards and Procedures
4. Acceptance Standards,
5. Manufacturing processes and discontinuities,
6. Interpretation of Radiographs

RT Level II Practicals

Same as level-I + Interpretation, evaluation of Radiographs, recording of test results and preparation of test reports

For more information, Contact us

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