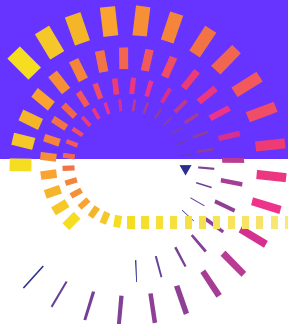


# TRINITY INSTITUTE OF NDT TECHNOLOGY

*Sharing expertise. Creating Professionals.*



## NDT TRAINING & CERTIFICATION COURSE - RADIOGRAPHY TESTING



LEVEL I & II

40-Hours (5 days)

As per ASNT SNT-TC-1A - 2006 Recommended Qualification Hours for Initial Training and Experience		
Training	Level I: 40 hrs	Level II: 40 hrs
Experience	Level I: 210-hrs	Level II: 630-hrs

### 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

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

### COURSE CONTENTS

#### Level I course outline

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.

#### Level II course outline

##### Review of Level-I

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 1 Practical Training

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

#### RT Level 2 Practical Training

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

### FOR MORE INFORMATION

Call: +91 99009 29439 / 98441 29439 / 080-28366466 or email: [training@trinityndt.com](mailto:training@trinityndt.com)

### TRAINING COURSE SCHEDULES

Visit : [www.trinityndt.com](http://www.trinityndt.com) or [www.materials-testing.blogspot.com](http://www.materials-testing.blogspot.com)

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