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.

RT Level 1 Practical Training
Radiography of Castings and welds using X-ray and Gamma ray

Level II course outline
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 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

TRAINING COURSE SCHEDULES

Visit: www.trinityndt.com or www.materials-testing.blogspot.com