NDT TRAINING & CERTIFICATION COURSE - RADIOGRAPHY TESTING

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. Analyze 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 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 1 Practical Training
Radiography of Castings and welds using X-ray and Gamma ray

RT Level 2 Practical Training
Same as for level 1 course + interpretation, Radiographs, recording of test results and preparation of test reports

FOR MORE INFORMATION
Call : (020) 27121843 / 27119490
Fax : (020) 27129036
E-mail : bkp_qndt@yahoo.in