

## Industrial Quality & Non Destructive Testing (NDT) TRAINING & CERTIFICATION

(As per ASNT-SNT-TC-1A/ANSI/ASNT-CP-189)

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IIQM  
INSTITUTE OF INDUSTRIAL QUALITY MANAGEMENT



## What is Non- Destructive Testing?

Science seems to play an ever increasing role in our society. The products that we buy and produce are becoming more technical and, therefore, jobs are becoming more technical. It is important to develop a good understanding of basic science.

Non-destructive testing allows us to examine structures, materials or components without damaging or destroying the object being tested, and provides a means to ensure product reliability and quality. There are an assortment of NDT techniques used throughout a broad cross-section of industries. The Four most widely used techniques being **Radiography, Ultrasonic, Liquid penetrant and Magnetic particle testing.**

### How it can benefit you?

NDT is not only about equipment, but even more about the professionals operating the equipment and interpreting the results. Proper training and certification is paramount to this aspect. In NDT there are three Levels (Level I, Level II & Level III) of qualification from beginner to practitioner to expert respectively.

### What kind of training we provide?

We provide Level I & Level II Training & Certification as per American Society for Non-Destructive Testing (ASNT-SNT-TC-1A & ANSI/ASNT-CP-189) in following streams:

- RADIOGRAPHIC TESTING
- ULTRASONIC TESTING
- MAGNETIC PARTICLE TESTING
- LIQUID PENETRANT TESTING
- VISUAL TESTING

**We also provide guidance and assistance for the preparation of AWS, CSWIP, API AND ISO courses and Certification.**

### Who can study NDT?

NDT has become a mandatory tool for inspection of metals for almost all engineering associated plants like Oil & Gas, aerospace, refinery and shipbuilding. A trained and certified NDT person had a wide opportunity in India and abroad. **NDT can be learnt by Diploma holders (in electrical, mechanical & electronics), B.E, ITI or even 10th & 12th STD students but the experience requirement can vary for each categories.**

## Careers in NDT

Careers in NDT were created to help the people and companies engaged in:

- NDE Technicians and trainees
- In-service, welding, and visual inspectors
- QA/QC managers, coordinators, and inspectors
- Asset, reliability, integrity, and materials engineers
- Project, and business development managers
- Supervisors and dispatchers
- Radiation safety officers

To further their career and business in NDT.

### Why choose IIQM?

It's vital for a training & certification centre to have the best of following:

#### Trainer

We have in-house well-qualified & experienced trainers. The key personnel in the company have considerable numbers of years' experience in many areas of Inspection which has facilitated the wide range of Inspection activities in India and Abroad such as Welding Inspection, Visual Inspection, Radiographic Testing, Magnetic Particle Testing, Penetrant Testing Ultrasonic Testing and Quality Management.

#### Equipment

We use the best equipment in the industry for training & certification.

#### Test Specimens

We have invested in a bank of specimens with artificially introduced defects for our training & examination purposes. The specimens (Plates, Pipes) are of different thickness & different diameter in case of pipe and consists of defects like Lack of side wall fusion, Lack of penetration, Slag inclusion, Root crack, Center line crack, Cluster of porosity, Transverse cracks, And Toe crack etc.

#### Course Contents

Our courses are based heavily on practical exercises, which when combined with the recording, reporting & answering of quizzes, results in the understanding of a specific syllabus segment. Up front lecturing is reduced to a minimum and the emphasis is on training to the precise, specific needs of the individual.



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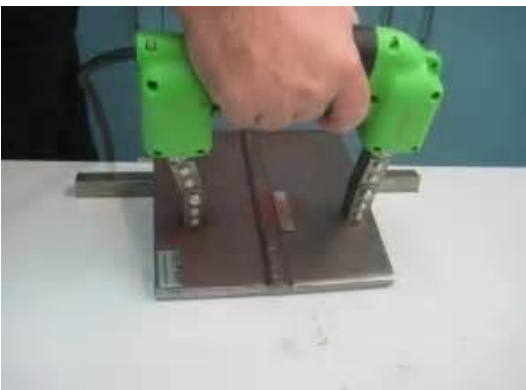


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Partner

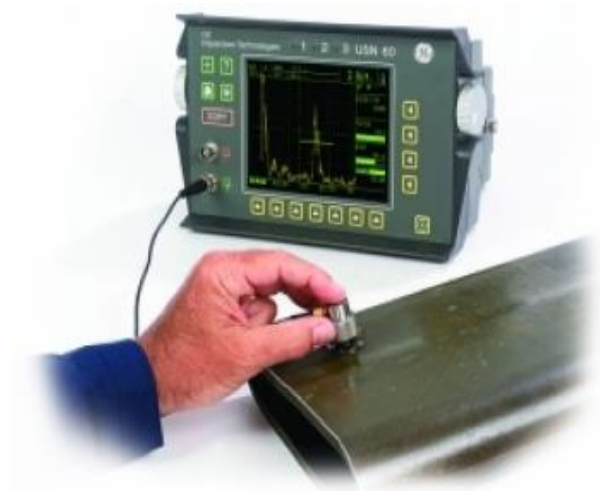


## NON-DESTRUCTIVE TESTING METHODS

### MAGNETIC PARTICLE TESTING



### ULTRASONIC TESTING



### RADIOGRAPHIC TESTING



### LIQUID PENETRANT TESTING





## NDT Level III Consulting Services



We provide you with our fullest support and necessary information to complete your assignment through our certified and well experienced Level III persons, within a specified time period.

- To help you in selecting the right nondestructive testing method/s and techniques suitable for the application
- Selection of suitable equipment for specific purpose.
- Preparation of NDT inspection procedures for various inspection methods, clients and jobs.
- Preparation of Test report formats and NDE technique sheets.
- Preparation of written practices as per ASNT recommended practice SNT-TC-1A / CP 189.
- Validation of Procedures.
- Review of all inspection procedures.

## About Us



The “**Institute of Industrial Quality Management**” is a not-for-profit educational institute, providing training in non-destructive testing technologies and Industrial Inspection Systems. We IIQM team is well experienced and have been providing this service in India and Middle East. NDT is a growth industry with excellent potential for employment and a shortage of skilled workers. **Our students emerge ready to enter the workforce with specialized technical knowledge and hands-on skill**

IIQM promotes and participates in the development and application of non-destructive examination in India and internationally through educational courses, information programs, membership, and qualification activities.

**Contact us:**

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