



# WQC Institute of NDT and Inspection Technology

*(A Division of Limra Institutions Pvt. Ltd.)*

AN ISO 9001:2008 CERTIFIED INSTITUTION

AN IAO - ACCREDITED INSTITUTION

## Accreditation & Approval

Industrial Corporate Member of IIW

Member of ASSOCIATION OF DRILLING CONTRACTORS

Institutional Member of AMERICAN WELDING SOCIETY (AWS)

Affiliated to NATIONAL CENTRE FOR LABOUR & LEARNING

Affiliated to STED COUNCIL (Scientific & Technical Education Development Council)

Corporate partner of AMERICAN SOCIETY FOR NON-DESTRUCTIVE TESTING (ASNT)

Professional Training Partner of INTERNATIONAL SAFETY EDUCATION COUNCIL (ISEI)

[UNIVERSITY OF SAN DIEGO, CALIFORNIA (EXTENSION)]



The most preferred NDT / Inspection / Oil & Gas / Safety / Welding Technology Training Institute providing superior quality training and Customer Service with the courses designed to suit the professional needs of an individual trainee and also an Individual Organization.



# Mission & Vision

**Mission** - To provide exceptional professionals for the field of NDT & Quality Inspection and to redefine learning methodologies with innovation and practicality that will best serve the organisational requirements.

**Vision** - To embed youth with core knowledge and to mold a center of excellence that shall build tomorrow's leaders who will drive innovation, creativity and entrepreneurship.

## About The Founder



**Mr. M.M ABDULLA**

(MBA, DIP-WE, CSWIP 3.1, CSWIP 3.2, AWS-CWI, BGAS-CSWIP3/2, QMS (IRCA), ASNT LEVEL-II (PT, MT, RT, UT, VT, RTFI), International Trainer Of ISEI)  
Diploma in Welding Inspection from IIW (IWIP)

With 43 years of work experience in major shipyards in India and abroad in areas related to Welding procedures, Quality control of structural engineering, NDT Methods, Painting inspection, Safety training, Oil & Gas and Petrochemical Projects.

Taken voluntary retirement after long years of experience in the management cadre of Dry Dock World Dubai, United Arab Emirates. Has indepth knowledge in various welding procedures, Quality control. Also a qualified Lead auditor in QMS (IRCA Approved) and International Construction Safety Trainer of ISEI (USA) is presently working as Director-Training and Operations of this Institute.

## About The Institute

The institute is established for the advancement of Science and Technology, application of NDT and to impart specialized skills to professionals engaged in NDT and Quality Control.

### WQC - NDT: A Marked Difference

- ★ Exclusive orientation before commencement of the course.
- ★ Innovative and meticulous teaching methodology that focus on experiential learning.
- ★ Integrated industry voyage through industrial experts as frequent guest faculty.
- ★ Well established library and lab facilities.
- ★ Unique training modules which gives equal focus on Personality Development, Employability and Interview skills.
- ★ On-site training along with Placement support is our marked difference





# Our Courses

## NDT (ASNT - LEVEL II Certification)

DURATION - 1 MONTH

Inspecting the material without affecting its physical and mechanical properties.

The Course will cover the following topics :

- Radiographic Testing
- Magnetic Particle Testing
- Ultrasonic Testing
- Penetrant Testing
- Visual & Optical Testing
- RTFI



## ADVANCED NDT LEVEL II COURSES

DURATION - 5 DAYS

- Infrared Thermography Testing
- Eddy Current Testing
- Leak Testing
- Neutron Radiography Testing
- Concrete Testing
- Acoustic Emission Testing
- Magnetic Flux Leakage





The background image shows a large offshore oil rig with three tall derrick structures. To the left, a red supply vessel is positioned near the rig. To the right, a smaller tugboat is visible. The scene is set in the open ocean under a cloudy sky.

## OIL & GAS ENGINEERING

This course is designed for candidates who intend to enter or enhance their career prospects in the Oil or Natural Gas industries. This course explores the geology, exploration, drilling, production, reservoir engineering and management, distribution and transmission of oil and gas from practical and theoretical viewpoints. Oil and Gas industry is divided into three streams

1. Upstream (Exploration, Drilling, Completion and Production of crude)
2. Midstream (Storage, Initial processing and Transportation of crude)
3. Downstream (Refining and production of Petroleum products)

### **Certification in Oil and Gas Engineering (3 Months)**

Onsite Training Provided

(AFFILIATED TO INDIAN SCHOOL OF PETROLEUM & ENERGY)

### **Diploma in Oil & Gas Engineering (6 Months)**

- ★ Compulsory Onsite Practical Training
- ★ Placement support provided all over India

(AFFILIATED TO INDIAN SCHOOL OF PETROLEUM & ENERGY)

### **Diploma in Oil & Gas Piping Engineering Design with Software Training (5 Months)**





## QA / QC COURSES

### QA / QC WELDING INSPECTION

(Duration - 3 Months)

The course will cover the following topics

- ◆ NDT (ASNT Level II)
- ◆ Welding Inspection Theory & Practicals
- ◆ Basic Piping Engineering
- ◆ Basic Fire & Safety Engineering

### QA / QC PIPING INSPECTION

(Duration - 3 Months)

The course will cover the following topics

- ◆ NDT (ASNT Level II)
- ◆ Basic of Piping
- ◆ Piping Components
- ◆ Piping Drawings
- ◆ Pipeline Designing & Constructions
- ◆ Pipeline Codes and Standards (ASME, API, ASTM, AWS)
- ◆ Power Piping (B 31.1)
- ◆ Process Piping (B 31.3)
- ◆ Liquid Piping (B 31.4)
- ◆ Basic Welding Engineering
- ◆ Basic Fire & Safety Engineering



### Diploma in QA/QC ENGINEERING

(Duration - 6 Months)

The course will cover the following topics

- ◆ NDT (ASNT Level II)
- ◆ Piping Inspection
- ◆ Welding Inspection
- ◆ Documentation
- ◆ Basic Fire & Safety Engineering





## QA / QC CIVIL (Concrete NDT)

**(Duration - 2 Months)**

The course will cover the following topics

- ♦ Ultrasonic Pulse Velocity Testing
- ♦ Rebound Hammer Testing
- ♦ Rebar Locator (Cover Meter) Survey
- ♦ Half Cell Potential Testing
- ♦ Carbonation & Chlorides Testing
- ♦ Coating Thickness Measurement on Concrete
- ♦ Lok & Capo Testing
- ♦ Break Off Testing
- ♦ Infrared Thermography
- ♦ Core Cutting & Testing
- ♦ Resistivity Test
- ♦ Permeability Test
- ♦ Pile Dynamic Analysis
- ♦ Pile Integrity Test
- ♦ Quantity Survey & Estimation

## Diploma in QA / QC STRUCTURAL INSPECTION & DESIGN

**(Duration - 3 Months)**

The course will cover the following topics

- ♦ NDT (ASNT Level II)
- ♦ Structural Drawings Interpretation
- ♦ Introduction of Structural Engineering
- ♦ Basics of Dimension Control
- ♦ Structural Steel Detailing
- ♦ General Welding Theory & Practical's
- ♦ Welding Defect Identification
- ♦ Usage of Measuring Tools & Instruments
- ♦ Quality Management Systems
- ♦ Rebar Detailing





# INTERNATIONAL COURSES

## API - American Petroleum Institute

- ◆ API 510    ◆ API 570    ◆ API 653    ◆ API 579    ◆ API 936
- ◆ API 576    ◆ API 577    ◆ API 580    ◆ API 571    ◆ Source Inspection

## PREPARATORY COURSES

- ◆ CSWIP 3.1    ◆ CSWIP 3.2.1    ◆ CSWIP 3.2.2    ◆ NACE
- ◆ BGAS - CSWIP Grade II    ◆ BGAS - CSWIP Grade I    ◆ PCN NDT
- ◆ AWS - CWI Preparatory    ◆ AWS - CSWIP Bridging

## INTERNATIONAL SAFETY COURSES

- ◆ Advanced Diploma in Fire and Industrial Safety Engineering    ◆ HSE RIGPASS  
(Accredited By INTERNATIONAL ASSOCIATION OF DRILLING CONTRACTORS USA (IADC))
- ◆ NEBOSH    ◆ Safety Courses (ISEI)

## LEAD AUDITOR COURSES

- ◆ Quality Management System    ◆ Environment Management System
- ◆ Occupational & Safety    ◆ Food Safety Management
- ◆ Information Security

## SPECIALISED SKILL DEVELOPMENT PROGRAM

- ◆ Pipe & Structural Fabrication (Duration - 3 Months)
- ◆ Diploma in Piping & Structural Engineering (Duration - 1 year)

## WELDING COURSES

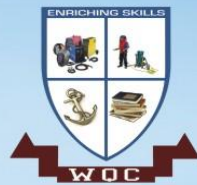
- ◆ Tig & Arc Welding (Duration - 6 Months)
- ◆ Arc Welding (Duration - 3 Months)
- ◆ Tig Welding (Duration - 3 Months)
- ◆ Mig Welding (Duration - 7 Days)





### Salient features of Our Training Program

- Classes by well experienced personnels
- Internationally recognised certification
- Well equipped airconditioned class rooms
- Fully furnished Hostel facility provided
- Online certificate verification
- Intensive Practical Training
- Soft skill training
- State of art Lab & Workshop Facilities
- Placement support provided
- Wifi enabled campus



## WQC Institute of NDT and Inspection Technology

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