



## American Petroleum Institute (A.P.I.) Certification Scheme

### **A.P.I. 510 Certified Pressure Vessel Inspector**

Code: API510

*HRDF claimable*

The main emphasis of this program is on improving and ensuring safety through the use of owner/user or third-party inspectors specialized in pressure equipment in a manner that protects employees, the public and the environment. It provides the oil, gas and petrochemical industry with the assurance that pressure vessel inspectors trained and certified under this Internationally recognized program have the required knowledge and experience for the job in the field.

Course participants aspiring to be certified by American Petroleum Institute will undergo a rigorous program to get them well versed the various code books and standards including A.P.I. standards that cover inspection, repair, alteration and rating of in-service piping system.

#### **Course content**

- (1) Terminology
- (2) Overview: API-510, Pressure Vessel Inspection Code
  - Introduction
  - Scope and general information
  - -design
  - Deterioration and failure modes
  - Inspection methods
  - Case studies in piping system failures
  - Periodic inspection requirements
- (3) Inspection, repair, alteration and reconstruction
- (4) Welding metallurgy: brittle fracture
- (5) Guide for inspection of refinery equipment, A.P.I. 571 & 575
- (6) ASME Section V
- (7) ASME Section VIII, Div. 1
- (8) Overview: ASME Section IX
- (9) Report Writing
- (10) Summary

#### **Course duration**

5 days

#### **Who should attend**

Applicable to all personnel working in the oil, gas and petrochemical industry and who are involved in the design, procurement, engineering construction, operation, maintenance and inspection of in-service piping systems and related facilities

#### **Pre-requisite(s)**

Kindly refer "<http://www.api.org/products-and-services/individual-certification-programs>"

#### **Certificate**

A.P.I. 510 Certified Pressure Vessel Inspector

