



Since 2002

# **SANJARY EDUCATIONAL ACADEMY<sup>®</sup>**

Society Registered, No. 347 / 08, Government of Telangana

Registered with Ministry of Commerce & Industry, Directorate General of Foreign Trade, Govt. of India.

Registered with Ministry of Micro, Small & Medium Enterprises, Government of India,

Member of Indo-Arab Chamber of Commerce & Industries (IACCI)

Member of Indo-American Chamber of Commerce (IACC)

Member of Federation of Telangana and Andhra Pradesh Chambers of Commerce and Industries (FTAPCCI)

## **ISO 9001 : 2015 Certified**

**Head Officer :** S.NO. 24 & 25 , 3<sup>rd</sup> Floor , SANALI MALL , above Mcdonalds , Opp. Chermas Show room , Abid , Hyderabad , Telangana , India . phone :+91- 40- 65268809 / 9985715560

**Register Office :** 20 – 3 – 144 / 9 , Shibli Gunj , Hyderabad , Telangana , India

## **TRAINING AND CERTIFICATION TO ENGINEERS / INDIVIDUALS**

Global Leader in Education - Training and Certification to Engineers & Individuals in Piping Design - Piping Engineering, Piping Design Engineer , Pressure Vessel Design Engineer , QMS , QA, QC , - QA / QC Manager, QA / QC Engineers - Civil, Mechanical , E & I, Piping, HSE - Safety Manager, Safety Engineer, Safety Officer, Welding Engineer, Welding Inspector etc.

### **Certification Course**

**1. Course Title : CERTIFIED PRESSURE VESSEL DESIGN ENGINEER**

**Eligibility Criteria : Mechanical Engineer , Chemical Engineer , Petroleum Engineer**

**Duration of Course : 30 Days ( 60 Hours ) – India**

**Duration of Course : 15 Days (60 Hours ) – USA , Saudi Arabia , Dubai , Qatar.**

**Maximum No. of Seats / students in a Batch : 15 only**

**Venue** : **SANJARY EDUCATIONAL ACADEMY ,**  
**HEAD OFFICE: 5-9-233 / 234 , S. No. 24 & 25 , 3<sup>rd</sup> Floor,**  
**SANALI MALL Opposite Chermas Showroom , Abids ,**  
**Hyderabad - 500001, Andhra Pradesh , India**

Please register prior to the above course commencement date.

**Note:**

1. Course Fees includes the course materials ( Hard Copy only ) , Resources Materials , Standard Forms / Templates for reference , Training, examination and certification.
2. Students / Engineers admission procedure will be Document No. SEA HYD TS -01 for enrolling the admission of courses
3. Certificate, Mark Sheet and Qualification Card will be awarded to engineer after successfully completion of course & examination and submission of **Project.**

***FOREIGN STUDENTS – CLASS ROOM TRAINING & CERTIFICATION***  
**Admission For Foreign Students / Engineers At Sanjary Hyderabad, India.**

- Foreign student ( B.Tech / Diploma Engineer ) shall submit completed Registration Form (Form No.SEA / HYD-01 / 1 ) , qualification documents , photographs along with course fees in advanced

-Sanjary Educational Academy will send invitation letter to Foreign Students for obtaining a Visa from Indian Embassy in their country after 50% advance payment of the course fee

-All payment for engineering professional course fees shall be Transfer by Foreign students through Bank Account payable at Hyderabad, India

-All applicable rule & regulations for foreign students as per Government of India

-Admission of Foreign student as per General Admission Procedure

-Sanjary Educational Academy shall be not responsible for pick and drop arrangement from Air port / Railway Station.

-Venue : M/s SANJARY EDUCATIONAL ACADEMY ,  
rd 5-9-233 / 234 , S. No. 24 & 25 , 3 Floor, SANALI MALL Opposite Chermas  
Showroom , Abids , Hyderabad - 500001, Telangana , India

**Note :** Sanjary Educational Academy has certified many foreign students / Engineers from Various Countries

**Sanjary Educational Academy legally established in the year 2002. Sanjary Educational Academy is a Society Registered No. 347/08 by Government of Telangana , India . Undertaking high quality of training , certification to Engineers and Individuals , solution and time to time achieve higher level of educational**

values in various sectors including oil & gas , petrochemicals , refineries , power energies , construction projects etc in the field of Piping Design , Piping Engineering , QA QC, QMS , Industrial Safety ( HSE ) , Welding Technology etc.

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**Sanjary Educational Academy** - registered “ Trade Marks Registry “ , Government. of India

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**Sanjary Educacional Academy** is a Member of Federation of Telangana and Andhra Pradesh Chambers of Commerece and Industries ( FTAPCCI )

Sanjary Educational Academy an ISO 9001:2015 Certified for Design & Development of Courses in Piping Design , Piping Engineering , Pressure Vessel design , QA, QC, QMS, Industrial Safety (HSE), Information Technology (IT), Integrated management System (IMS), Welding Inspector , Piping Inspector and Training, Examination & Certification,

***SANJARY EDUCATIONAL ACADEMY ( SEA ) IS ONLY ONE IN WORLD TO CERTIFY :***

**Certified Piping Design Engineer**

**Certified Pressure Vessel Design Engineer ,**

**Certified QA Manager ,**

**Certified QA / QC Manager ,**

**Certified QA / QC Engineer – Civil**

**Certified QA / QC Engineer – Mechanical**

**Certified QA / QC Engineer – E & I**

**Certified QA / QC Engineer – Piping**

**Certified QA / QC Inspector – Civil**

**Certified QA / QC Inspector – Mechanical**

**Certified QA / QC Inspector – E & I**

**Certified QA / QC Inspector – Piping**

**Certified QA Officer**

**Certified Document Controller**

**Certified Welding Engineer**

**Certified Safety Manager**

**Certified Safety Engineer ,**

**Certified Safety Officer**

### **NATIONAL & INTERNATIONAL AWARDS WINERS**

#### **SANJARY EDUCATIONAL ACADEMY Awarded The Most Prestige's**

- ▶ **“Indian Achievers Award for Quality Excellence”**  
August 5 , 2010, New Delhi.
- ▶ **“Indira Gandhi Excellence Award for Education Excellence ”**  
December 21 , 2014 , New Delhi
- ▶ **“International Achievers Award for Education Excellence “**  
August 27 , 2010, Bangkok.
- ▶ **“BEST PERFORMANCE AWARD FOR EXCELLENCE IN SOCIAL & EDUCATION”**  
August 10, 2015, New Delhi, India

#### **Mr. Mohammed Saleem – SEA President Awarded The Most Prestiges National Awards**

- ▶ **“ RASHTRIYA GAURAV AWARD ”**  
October 1 , 2016 , New Delhi , India
- ▶ **“BHARAT JYOTI AWARD ”**  
January 7, 2006 , Hyderabad , India
- ▶ **“ BHARAT SHIKSHA RATAN AWARD ”**  
August 10 , 2015 , New Delhi , India

SEA certification / qualification is accepted and recognized by major National & International companies in the world including India , Saudi Arabia , UAE , Kuwait , Qatar , Bahrain , Oman , Jordan , Iraq , Iran , Yemen , Nigeria , Sudan , Libya , Turkey Portugal, Cameroon, Vietnami , Congo & other countries. Our SEA certified Engineers are already working in the above said countries.

SEA has trained & certified more than 5000 Engineers & Individuals in last five ( 5 ) years in different engineering disciplines and various sectors which include Oil and Gas , Petrochemicals , Refineries , Power Plant , Aeronautics & Construction projects etc.

M/s Sanjary Educational Academy has organized various National & International Conferences and Seminars in India & Abroad on Piping Design and Engineering , QA /

QC , Safety ( HSE ) , Welding Technology etc in the field of Oil and Gas , petrochemicals and power Plant Industries.

## **Overview of course for Certified Pressure Vessel Design Engineer**

This comprehensive course which provides a systematic development of skills and knowledge of Pressure Vessel Design Engineer inline with International standards.

This certification course is design and developed by Sanjary Educational Academy. A comprehensive course covering in depth the design of pressure vessel as per ASME Section VIII Division I including Process Equipments. (Vessels, Reactors, Heat Exchangers, Distillation Columns, ) Overview of PFD , P&ID and Process Data Sheets, Inputs required and use of the inputs ,Relevant Codes and Standards used in Industry including ASME Section VIII , Materials Specifications – ASTM / ASME , Pressure Vessel Service Classification, Mechanical Properties of Steels , Overview of G.A. Drawings and Fabrication drawings of Equipments , Overview of Piping / Nozzle Orientation drawings of Pressure Vessels

This certification course is more concentrated on manual design calculations of Stresses in Pressure Vessels , Pressure Vessels Shell and Head Thickness , Dead Weight , Hydrostatic Test Weight of Pressure vessels , Wind and Earthquake Loadings , Calculating Nozzle Necks and Nozzle Reinforcement , Saddle Support & Lifting Lug of Pressure vessels and Submission Pressure Vessels Design Project Report as Per ASME Section VIII Division I

A comprehensive course covering in depth the requirements of in various sectors /

industries including

- Oil & Gas
- Petrochemical
- Refinery
- Power Plant
- Chemical Plant

## **Course Syllabus**

### **PART - 1**

**Module 1 Introduction**

**Module 2 Process Equipments. (Vessels, Reactors, Heat Exchangers, Distillation Columns, )**

- Module 3 Overview of PFD , P&ID and Process Data Sheets.
- Module 4 Inputs required and use of the inputs.
- Module 5 International Codes and Standards used in Industry including ASME Section VIII
- Module 6 Materials Specifications – ASTM / ASME
- Module 7 Pressure Vessel Service Classification
- Module 8 Mechanical Properties of Steels
- Module 9 Design of Pressure Vessel as per ASME Section VIII Division I
- Module 10 Overview of G.A. Drawings and Fabrication drawings of Equipments.
- Module 11 Overview of Piping / Nozzle Orientation drawings of Pressure Vessels
- Module 12 Stresses in Pressure Vessels
- Module 13 Calculating Pressure Vessels Shell and Head Thickness
- Module 14 Calculating Dead Weight , Hydrostatic Test Weight of Pressure vessels
- Module 15 Calculating Wind and Earthquake Loadings
- Module 16 Calculating Nozzle Necks and Nozzle Reinforcement
- Module 17 Fabrication , Inspection and Testing of Pressure vessels
- Module 18 Introduction to Pressure Vessel Design Software

## **PART - 2**

### **PROJECT SUBMISSION**

Module – 19 Submission of Project Report on Design of Pressure Vessel as Per ASME Section VIII Division I

**Note : Certificate , Marks Sheet and Qualification Card will be awarded to the students / candidate after successful completion of course & examination and project Report Submission.**

For any further details pls do not hesitate to contact us at

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+91 – 40 – 65268809**

**Email : [hyderabad@sanjaryacademy.in](mailto:hyderabad@sanjaryacademy.in)**

**Thanks and regards**