

SANJARY EDUCATIONAL ACADEMY[®]

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

Registered with Ministry of Commerce & Industry, Director General of Foreign Trade, Government 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)

Training, Examination And Certification to Engineers & Individuals

SANJARY EDUCATIONAL ACADEMY SOCIETY OFFERS INTERNATIONAL CERTIFICATION COURSES

SANJARY (SEA) IS ONE TO CERTIFYING / QUALIFYING

- Certified Piping Designing Engineer
- Certified QA / QC Manager
- Certified QA/QC Engineer Civil,
- Certified QA/QC Engineer Mechanical
- Certified QA / QC Engineer Piping
- Certified QA/QC Engineer E&I
- Certified Document Controller
- Certified Welding Engineer
- Certified Safety Engineer
- Internal Auditor QMS

**CERTIFICATE RECOGNIZED INTERNATIONAL
IN MORE THAN 30 COUNTRIES**

**All the International Certification Courses
offered by Sanjary Educational Academy
Society for the Below Industries / Sectors
In India & Abroad**

Oil and Gas

Petrochemical

Refinery

Power Plant

High Rise Building

Heavy Fabrication

Construction Project

EPC Consultants



Course Director / Lead Trainer

Mr. Mohammed Saleem

President of Sanjary Educational Academy
International Industry Expert with more
than 25 Years of Experience &
National Awards Winners

1. Bharat Jyoti Award - (2006)
2. Bharat Shiksha Ratan Award - (2015)
3. Rashtriya Gaurav Award - (2016)



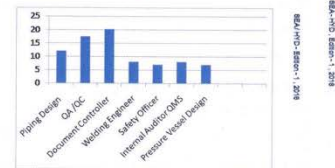
National & International Awards Winners Sanjary Educational Academy Awarded The Most Prestige's Since 2002

1. Indian Achievers Award
for Quality Excellence - 2010
2. International Achievers Award
for Education Excellence - 2010
3. Indira Gandhi Excellence Award - 2013
4. Best Performance Award for Excellence
in Social & Education - 2015



No. of Batches Completed From 2009 to 2017

- | | |
|---|--|
| 1. Piping Design Engineer - 112 Batches | 5. Safety Engineer - 72 Batches |
| 2. QA/QC Engineer - 112 Batches | 6. Internal Auditor QMS - 82 Batches |
| 3. Document Controller - 225 Batches | 7. Pressure Vessel Design - 71 Batches |
| 4. Welding Engineer - 81 Batches | |



Since 2002

ISO 9001 : 2015 Certified

SANJARY EDUCATIONAL ACADEMY

Registered & Head Office :

5-9-233/234/235, Shop No. 24, 2nd Floor, Sanali Mall,
Opp. Chermas, Abids, Hyderabad-500 001. T.S. India.

Tel. : +91 8121068809

Mobile : +91 9985445560

Email : hyderabad@sanjaryacademy.in

Web. : www.sanjaryacademy.in

Dear Sir ,

Kindly visit our websites : www.pipingdesigncourse.in / www.pipingdesigncourse.com / www.pipingdesigncourse.net / www.sanjaryacademy.in / www.sanjaryacademy.com for details . We confirm your course booking for the Certified Course as below :

Sanjary Educational Academy Society is only one in the world to Certified - Certified Piping Design Engineer , Certified Pressure Vessel Design Engineer , etc. last more than 10 years

All certification courses including Piping Design Engineer which is Design & Developed by Sanjary Educational Academy in line with International Standards ,Industrial job , Sanjary Norms

All Piping Design Engineer courses cover the comprehensive competency and developing skills aspect of Piping Design & Engineering which allows to adapt to study of Piping Design Software

Each year thousands of professional Engineers / Individuals enroll in the piping design engineer courses offered by Sanjary Educational Academy .This is one of the most widely recognized and accepted qualification in the industry world wide.

Sanjary Educational Academy has Completed Over 100 + Batches of Piping Design Engineer , Professionals Certification Courses form 2008 to December 2016.

Sanjary (SEA) Certificate is Recognized International in more than 30 Countries and our Certified Engineers are already working including - India , Saudi Arabia , UAE , Qatar , Kuwait , Oman , Bahrain , Jordan , Iraq , Iran , Turkey , Yemen ,Sudan , Libya, Nigeria , Sudan , Libya , Portugal, Cameroon, Congo , Germany , USA , Canada , Norway , London , Vitemum
Benefit of Our Certified Courses :

1. Engineers get easy job any where in world in below mentioned industries / sectors
2. Get promotion in current job
3. Get professional skill knowledge as actual required on the job

<u>PIPING DESIGN & ENGINEERING CERTIFICATION COURSE</u>	<u>PIPING DESIGN & ENGINEERING CERTIFICATION COURSE</u>
<ul style="list-style-type: none">● CERTIFIED PIPING DESIGN ENGINEER	<ul style="list-style-type: none">● P G DIPLOMA IN PROCESS PIPING DESIGN AND ENGINEERING
COURSE COVER UP : <ul style="list-style-type: none">- Basic- Piping Design- Process Engineering- Piping Engineering- Layout Engineering- Pipe Stress Analysis- Drafting- Fabrication of Piping & Hydro testing	COURSE COVER UP : <ul style="list-style-type: none">- Basic- Piping Design- Process Engineering- Piping Engineering- Layout Engineering- Pipe Stress Analysis- Drafting- Fabrication of Piping & Hydro testing
STUDY OF SOFTWARE : <ul style="list-style-type: none">- Study of CAESAR – II- Study of AUTOCAD	STUDY OF SOFTWARE : <ul style="list-style-type: none">- Study of CAESAR – II- Study of PDMS- Study of AUTOCAD
PROJECT – Piping Design & Drafting	PROJECT – Piping Design & Drafting
DURATION OF COURSE : 50 Days	DURATION OF COURSE : 3 Months
COURSE FEE : Rs 31000/-	COURSE FEE : Rs 45000/-

International Certification Course

- **ADVANCED PIPE STRESS ANALYSIS**

Eligibility Criteria	: Mechanical Engineer, Chemical Engineer & Petroleum Engineer
Duration of Course	: 15 Days - Hyderabad , Telangana , India
Course Fee	: Rs 15000/-
New Batch Date	:
Timing / Daily Classes / Practice	: 11:00 AM - 3:00 PM
Course Fee for Foreign Students	: US Dollar \$ 800/- Hyderabad , India
Maximum No. of Seats / students in a Batch	: 10 only -

Overview:

This comprehensive course which provides a systematic development of skills and knowledge of Piping Design Engineer in line with international standards including ASME B31.1 , ASME B31.3, Industrial job and Sanjary (SEA) Norms etc.

This certification course is design and developed by Sanjary Educational Academy. A comprehensive course covering in depth the design of various pressure piping systems including Basic , Piping Design , Piping Engineering , Piping Layout Pipe Stress Analysis ,detailed design and engineering etc. Study of CEASAR II

International Certification Course

- **ADVANCED PIPE STRESS ANALYSIS**

Course Syllabus :



PIPE STRESS ANALYSIS

Module – 1 Introduction

Module – 2 Stresses due to Sustained Loads , Stresses due to Displacement Strains and Stresses due to Occasional Loads

Module – 3 Pipe Flexibility Analysis per ASME B31.3

Module – 4 Design Calculation of Pipe Stresses by Thermal Expansion Stress / Sustained Loads

Module – 5 Design Calculations of Occasional Loads

Module – 6 Design Calculations of Wind Load on a Piping Support in Open Terrain

Module – 7 Determination types of Pipe Support and Maximum Allowable Span

PART- 2

Study of CAESAR II

➤ **PIPE STRESS ANALYSIS**

Module – 1 Introduction

- Objectives & Definition of Stress Analysis
- Critical Line List
- Information Required for Stress Analysis
- Piping Loads – Static & Dynamic
- Requirements of ASME B 31.3 Code – Sustained Loads, Thermal Expansion & Occasional Loads.
-

Module – 2 Stresses due to Sustained Loads , Stresses due to Displacement Strains and Stresses due to Occasional Loads

- Longitudinal Stress,
- Longitudinal Stress from Pressure
- Longitudinal stress due to weight
- Allowable Displacement Stress range
- Basic Allowable Stress at maximum material temperature.

Module – 3 Pipe Flexibility Analysis per ASME B31.3

- Pipe Stress Analysis Logic
- Minimum Flexibility Requirements
- Stress Range Reduction Factor - f
- Piping Flexibility – General Consideration
- Stress Analysis Flexibility Requirements
- Stress Analyst's Function
- Scope of Code Requirements

Module – 4 Design Calculation of Pipe Stresses by Thermal Expansion Stress / Sustained Loads

- Several Examples of Design Calculation of Pipe Stresses by Thermal Expansion Stress / Sustained Loads

Module – 5 Design Calculations of Occasional Loads

- *Several Examples of Design Calculation of Occasional Load*

Module – 6 Design Calculations of Wind Load on a Piping Support in Open Terrain

- Calculating Civil / Mechanical Load on Pipe Systems
- Hydrostatic Test Weight
- Wind Force
- Wind Shielding
- *Several Examples of Calculations of Wind Load on a Piping Support in Open Terrain*

Module – 7 Determination types of Pipe Support and Maximum Allowable Span

- Maximum Support Spacing Based on Weight , Deflection Criteria and Design Loads
- Suggested Pipe Support Spacing
- *Several Examples of Types of Support and Maximum Allowable Span*

PART- 2 : Study of CAESAR II

Venue : SANJARY EDUCATIONAL ACADEMY ,
5-9-233 / 234 , S. No. 24 & 25 , 3rd 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 certified courses.
3. Certificate, Mark Sheet and Qualification Card will be awarded to engineer after successfully completion of course & examination and submission of **Project**.

-Sanjary Educational Academy legally established in the year 2002. **Sanjary Educational Academy is a Society** Registered No. 347/08 by Government of Telangana , India .

- Registered with Ministry of Commerce and Industry , Directorate General of Foreign Trade , Government of India.

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

- Registered “ Trade Marks Registry “ , 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 Organization – Accredited with UKAS , UK

- Sanjary’s (SEA) Piping Design Engineer course recognized with SPED , USA, Since .2013

SANJARY EDUCATIONAL ACADEMY Awarded The Most Prestige’s National & ..International Awards Winners

- a) Indian Achievers Award for Quality Excellence
- b) International Achievers Awards for Education Excellence
- c) Indira Gandhi Excellence Award for Education Excellence
- d) Best Performance Award for excellence in social and education

Mr.Mohammed Saleem being the President of SEA has been awarded the following:

(1) Bharath Jyoti Award, India

(2) Bharath Siksha Rattan Award, India

(3) Rashtriya Gaurav Award, India

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

M/s SANJARY EDUCATIONAL ACADEMY

5-9-233 / 234 / 235 , S. No. 24 & 25 , 3rd Floor , SANALI MALL ,Opposite Chermas Showroom , Abids , Hyderabad - 500001, Telangana , India.

TEL: +91 – 40 -66440868, +91 – 9985445560 / 9704083839 / 9121310430 / 9985715560

EMAIL: hyderabad@sanjaryacademy.in / info@sanjaryacademy.in

WEB: www.pipingdesigncourse.in / www.pipingdesigncourse.com / www.sanjaryacademy.in

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Thanks and regards

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