



# Charisma Education Pvt. Ltd.

## Training Program on

## Pressure Vessel and Heat Exchanger Mechanical Design as per ASME PV Codes using PVElite Software

Vadodara, Gujarat, India, 5 Days, Year 2019

Training program on Pressure Vessel Design and related orientation to popular software is being organized by Charisma Education Pvt. Ltd (CEPL).

### **COURSE OBJECTIVE**

This training course is designed to train individuals who are interested in proper orientation to the pressure vessel design, related codes (ASME PV Code Sec VIII Div 1 and TEMA), as well as those who are seeking better understanding of the software applications like PVElite and COMPRESS.



### **COURSE OUTLINES**

Design of Cylindrical Shell under Internal Pressure

Design of Spherical Shell, Hemispherical Heads, Ellipsoidal Heads, Tori-spherical Heads

External Pressure Design for Cylinders, Heads, Stiffening Rings

Bolted Flanges, Bolt Sizing, and Bolt Loadings

Design of Openings in pressure vessels, Reinforced Opening, Large opening design

Orientation to software design applications

Design of Openings (Nozzles) in pressure vessels, Reinforced Opening, Large opening design

Local Load Stress Analysis (WRC107)

Design of Supports (Skirts, Saddles, Leg, Brackets)

Wind Load and Seismic Load considerations

Application, Classification & Selection of Heat Exchanger

Heat Exchanger Geometry



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Thermal Design of Shell & Tube Heat Exchanger  
ASME UHX-Rules for Shell and Tube Heat Exchanger  
ASME UHX-U-Tube Design Procedure  
ASME Fixed Tube-Sheet Design  
ASME Tubesheet Design for Floating Tube Heat Exchanger  
Orientation to COMPRESS and/ or PVElite software design applications

This program would prove useful to

1. Experienced Professionals who wish to brush up their knowledge and stay abreast with the latest in the industry. This would provide you an edge amongst all.
2. Engineers and Technologists and fresher from varied technical background interested in learning more about Pressure Vessel design and analysis disciplines.

The training program package includes

1. Comprehensive course material of 100+ pages for each of the seminar to each participant & exposure to Pressure Vessel Code Design Software
3. Lectures by renowned experts of 30+ years of experience in the Industry

Our clientele include Oman Refinery , Qatar Petroleum, Oman Gas, PDO, L&T, ISGEC, ABB, TCE, EIL, GAIL, IFFCO, GSFC, IOC, RELIANCE, ALSTOM-POWER, LINDE, REAL, BHEL, TRANSPEK, ONGC , PRAJ, Tecnimont ICB, MECON, SAIPEM, Chennai Petroleum, South Pacific Viscose Indonesia, Petronas, Tata Steel Growth Shop & many others who have benefited from program conducted regularly by us.

## **METHODOLOGY**

1. Technical Sessions
2. Problem Solving Sessions
3. Case Studies

## **DATE & TIME**

Place- **Vadodara, Gujarat, India**

Date- **5 Days, Year 2019**

Time: 10 AM- 5 PM

## **VENUE:**

Charisma Education Training Center, Vadodara

## **REGISTRATION**

### **Indian Participants:**

The Registration fees: Rs. 25000 per delegate.

The fee may be sent to us in the form of Cheque drawn in favour of Charisma Education Pvt. Ltd., payable at Vadodara.

### **Foreign Participants:**

The Registration fees shall be **US \$600** per delegate. Fees may be sent to us in the form of a Bank Transfer/ Cheque drawn in favour of Charisma Education Pvt. Ltd. on any bank in Vadodara, India.

You may pay the fee through bank transfer, the detail of which will be made available after the formal registration of the candidate.

Request for registrations can be sent on the organization letter-head along with cheque or by online bank transfer.



# Charisma Education Pvt. Ltd.

**Contact India:**

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