

# Four Day Intensive training program on “Pressure Vessel Mechanical design as per ASME PV Codes”



**Date:** 2<sup>nd</sup> to 5<sup>th</sup> October, 2019

**Timing:** 9:00 am to 6:00 pm

**Venue:** Evolve by TCR, 215 Pancham Icon, Nr. D-mart, Vasna Road, Vadodara, Gujarat.

## 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), as well as those who are seeking better understanding of the software applications.

## Course Outlines:

The program shall cover the following areas:

- Types of Process Equipment and Vessels
- Selection of Engineering Materials of Vessels and Components
- 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 and Wind Load Analysis
- Flange Bolt Sizing, and Bolt Loadings
- Orientation to software design applications
- Design of Openings (Nozzles) in pressure vessels, Reinforced Opening,
- Large opening design as per Appendix I-7
- Local Load Stress Analysis (WRC107)
- Design of Supports (Skirts, Saddles, Leg, Brackets)
- Seismic Load considerations and analysis
- Orientation to software design applications

## Who should attend?

- Experienced Professionals who wish to brush up their knowledge and stay abreast with the latest in the industry.
- Engineers and Technologists and fresher from varied technical background interested in learning more about Pressure Vessel design and analysis disciplines.

## Registration:

The course is limited to **25 participants** only and participation will be decided on first come first served basis. Interested participants can register by filling attached registration form. The course fee includes participation, course material and stationery. Tea / coffee and working lunch will be served. Participants have to make their own arrangements for accommodation and local conveyance. The course fee is non-refundable; however, in the event of cancellation of training program by TCR for some unavoidable reasons, it will be refunded. TCR accepts the change in nomination.

## Course fee:

Single participant: Rs. 30,000.00 for Indian delegates & USD 550 for Foreign Delegates.  
GST @ 18.00 % applicable on above fees.

## Payment mode:

Interested participants should post/ E-mail the registration form along with DD/at par cheque in favour of “**TCR ADVANCED ENGINEERING PVT. LTD.**” at the address mentioned in attached registration form.

## Forward your Registration forms to:

**Mr. Rajesh Lakhnotra**

HOD - Training

TCR Advanced Engineering Pvt. Ltd., 250/9 GIDC, Makarpura, Vadodara, Gujarat. Ph: 0265-2657233, 7574805594-96

Email: [evolve@tcradvanced.com](mailto:evolve@tcradvanced.com)

Mobile: +91 7574801050

Registration form:

<http://tcradvanced.com/coursecalender.php>

More details:

<https://www.facebook.com/EvolveTCR/>

### Faculty:

This course will be conducted by renowned expert with vast experience in pipe, vessels and tanks.



**Mr. Narendra Kumar Roy**

### Academic Qualification:

B.Sc. (Engineering)- Mechanical (1st Class), Bihar Institute of Technology, Sindri, Ranchi University, India (Year 1966).

Master of Engineering; Specialisation in Mechanical Machine Design; University of Roorkee; India (Year 1968).

### Professional Experience:

- Working as Director on the board of Charisma Careers Pvt. Ltd, Vadodara, Gujarat and Technical Expert with Charisma Global Networks Ltd, Auckland, New Zealand.
- Many training programs on Process Equipment Design, Fabrication and Inspection and Piping Design, Inspection and Engineering including failure analysis and corrosion controls were conducted for the benefit of engineers & supervisors in India and abroad (Oman, Qatar, Malaysia, Indonesia and New Zealand).
- Worked as Executive Director of Gramya Research Analysis Institute for its Scientific & Technical Consultancy Division. Worked as Advisor since inception of the organization (since Year 1984). Number of Pressure Vessel Design, Fabrication and Inspection training programs were conducted for the benefit of engineers & supervisors in India and abroad (Oman, Qatar).

### Awards & Prizes:

- Received the President of India Cash Prize instituted by the Indian Society of Theoretical & Applied Mechanics, Kharagpur for the best paper presented at the annual conference in Surat 1977.

### Publications / Seminars & Conferences

#### Organized:

- 120+ papers had been published in various National and International Technical Journals / Proceedings of the seminars and conferences and presented at different forums for training of engineers. Main subjects covered related to pressure vessels designs & Inspection as per ASME Code.
- Co-authored two books as published by Projects & Development India Ltd., Sindri;
  - : Engineering Manual - Valves
  - : Thermal Insulation