TCR ADVANCED

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Two-Day Training Programme on Understanding the requirements of ASME SEC VIII Div. 1 Rules of Construction of Pressure Vessels

09th & 10th January, 2026

Evolve by TCR
215, Pancham Icon,
Vasna Road, near D-Mart,
Vadodara, Gujarat 390007

Fees: INR 8,000/- for single person + GST 18% extra.

10% Discount on total amount of invoice for 03 or more nominations from the same organization.

Course Content

- Rules for the Construction of Boilers and Pressure Vessels.
- Scope of ASME Section VIII Division 1.
- Material Selection for Pressure Vessels.
- Allowable Stresses vs Design Stress.
- Service Restrictions and Application Considerations.
- Weld Joint Category, Weld Joint Type, and Weld Joint Efficiency.
- Radiographic Testing Criteria (RT1, RT2, RT3, RT4 – Full and Spot Radiography).
- Impact Testing and Post-Weld Heat Treatment (PWHT) Requirements.
- Hydrostatic and Pneumatic Testing Calculations.

Who Should Attend

- Welding Engineers and Technologists
- Design Engineers
- QA/QC Inspectors
- Pressure Vessel Fabricators
- Welding Inspectors and Certification Authorities
- Manufacturing Engineers
- Students and Academics

Objectives of the Training Programme:

- Gain in-depth familiarity with the scope, structure, and application of ASME Section VIII Division 1 for the design and construction of pressure vessels.
- Comprehend the code-mandated requirements related to material selection, design criteria, fabrication processes, inspection, and testing for pressure-retaining components.
- Develop the capability to accurately interpret and implement ASME code provisions in real-world engineering practice, ensuring compliance with statutory and safety requirements.
- Understand the integration of code-based requirements with sound engineering judgment to ensure structural integrity, reliability, and lifecycle performance of pressure vessels.

Meet The Faculty

Subject Matter Expert (Another Faculty)

- He holds an M.E. in Metallurgical Engineering and a Ph.D. in Welding Technology, with over 15 years of expertise in welding consumable testing, selection for similar/dissimilar metals, and welding procedure qualification. He is proficient in advanced welding processes including SMAW, GTAW, GMAW, SAW, Pulse TIG, Plasma TIG, Activated TIG, and WAAM, and is a recognized expert in induction heating for pre- and post-weld heat treatment. With deep insight into welding metallurgy and heat-affected zone behaviour, he has trained professionals across industries on ASME Section VIII Div. 1, ASME IX, and EN/ISO 15614-1 & 9606-1 standards. His unique ability to connect metallurgical theory with practical applications makes him a highly respected trainer in welding technology and heat treatment practices.

Subject Matter Expert (Another Faculty)

- He holds a Ph.D. in Metallurgical Engineering and is a certified International Welding Technologist (IWT), BS EN ISO 14731 Welding Coordinator, and BS EN ISO 3834 Auditor. With over 12 years of specialized experience in welding training, he brings deep technical knowledge in welding metallurgy—particularly of stainless steels and dissimilar metal combinations. He is highly proficient in international welding standards, including ASME Section VIII Div. 1, ASME IX, EN ISO 15614-1, ISO 9606-1, ISO 14732, and AWS D1.1. Known for his clarity in interpreting welding codes and qualification processes (WPS-PQR-WPQ), he has successfully trained engineers, inspectors, and coordinators across industries. His strong academic foundation and code-based expertise make him an authoritative trainer in welding metallurgy and compliance-driven welding practices.

Mr. Paresh Haribhakti, MD

- He holds a post-graduate degree in Materials Technology from M.S. University, providing him with a solid academic foundation in metallurgy and materials science. With a leadership role at TCR Advanced Engineering Services, he has accumulated extensive experience in metallurgical engineering, and has solved over 9000+ industrial challenges. He is expert in risk mitigation and management. He has also developed innovative tools for asset management and reliability enhancement, specifically tailored to the needs of critical infrastructure in the fertilizer and chemical industries.
- Paresh has authored 'Failure Investigation of Boiler Tubes: A Comprehensive Approach', published by ASM International, USA. His commitment to advancing knowledge and expertise is evident through his active participation in global conferences and contributions to leading metallurgical journals. He is an acclaimed expert for damage mechanism of oil & gas, refinery, petrochemicals, power, fertilizers. He holds expertise in inspection of fertilizer and petrochemical tanks

Mr. M.N. Patel

- BE & ME in Metallurgy. Has 33 years of teaching experience in UG and PG level in subjects like Plastic Deformation of Metals, Mechanical Metallurgy, NDT and Failure Analysis, Mechanical behavior of materials, Selection of Materials and Failure Analysis, Physical Metallurgy and Welding Metallurgy.
- He holds expertise in physical metallurgy, micro structural analysis, scanning electron microscopy, welding metallurgy, failure analysis.

For NFET/ RTGS/ Bank transfer:

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IFSC: BARB0INDMAK (5th letter is zero)
Bank: BOB, Makarpura Branch
Merchant Name: TCR ADVANCED ENGINEERING PVT LTD
UPI ID : tcrad93762@barodampay

QR code for payment

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