



## One-Day Training Programme on Welding Consumable Selections: A Practical Approach

13th  
February, 2026

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

Fees: INR 5,000/-  
for single person +  
GST 18% extra.

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

### Course Content

- Selection of Welding Consumables for Similar Material Joints According to ASME Codes.
- Challenges and Criteria in Selecting Consumables for Dissimilar Metal Joints.
- Real-World Case Studies and Best Practices in Consumable Selection for Similar and Dissimilar Joints.

### Who Should Attend

- Welding Engineers and Metallurgists
- Quality Assurance/Quality Control (QA/QC) Inspectors
- Welding Supervisors and Coordinators
- Fabrication and Production Engineers
- Welding Procedure and Performance Qualification (PQR/WPQ) Specialists
- Welding Consumable Selection Experts
- Welding Researchers and Development Engineers

### Objectives of the Training Programme:

- Develop the ability to strategically select welding consumables for both similar and dissimilar metal joints, considering critical parameters such as alloy compatibility, dilution control, solidification behaviour, and service performance.
- Analyze and mitigate potential issues such as hot cracking, solidification cracking, and formation of brittle intermetallic, which may arise from improper consumable selection in dissimilar metal welds.
- Strengthen fundamental understanding of welding metallurgy principles, particularly the influence of consumable composition on microstructural evolution, residual stresses, toughness, and corrosion resistance of the weld metal and heat-affected zones.

# Meet The Faculty



**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.

## 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.



**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

## 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.



## For NFET/ RTGS/ Bank transfer:

**Account No:** 05730400000034  
**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