QUALITY ASSURANCE & CONTROL OF WELDING
(For Engineers & Managers)

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Course Code: QA-I

No. of Seats: 15 per batch

Duration: 4 days

Dates & Fees: See Course Schedule

COURSE OBJECTIVE:

Product reliability and cost effectiveness have become key elements for facing the challenge of competition and increasing product saleability and customer satisfaction. Customers are now increasingly specifying that the fabricators manufacture the required product as per relevant fabrication codes. Manufacturing as per fabrication codes requires a systematic and disciplined approach in Design, Construction and Inspection.

COURSE CONTENT:

THEORY: 28 hrs

- Economics of Weld Quality
- Weld Quality Control Programme
- Purpose and Types of Welding Codes
- Application of Welding Codes
- Significance of Weld Imperfections and Procedure Qualification Record (PQR)
- Introduction to Destructive and Non-destructive testing
- Weld Quality Assurance Programme
- Responsibility of Welding Inspectors
- Symbology of Welding
- Purpose of Welding Procedure Specifications (WPS)

PRACTICAL: 6 hrs

Practical session with various electrodes types, joint types, techniques, weld processes.

ELIGIBILITY:

Managers, Senior Engineers, Engineers

COURSE EVALUATION:

Set of objective type question paper

OUTCOMES:

This course curriculum will enable participants to imbibe the intricacy of welding pertaining to Quality Assurance & Quality Control programs. Participants will be enabled to analyze the critical needs of Pressure Vessels, Boilers and Structural welding fabrication conforming to the prevalent code requirements of end-use.

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