

REFRESHER COURSE IN WELDING TECHNOLOGY (For Design, Production and Planning Engineers)



Course Code: SC-I



No. of Seats: 15 per batch



Duration: 1 Week



Dates & Fees: See Course Schedule

COURSE OBJECTIVE:

Familiarization with various aspects of welding fabrication technology. Appreciation of Design, Planning, Development, Production, Inspection and Quality Assurance of welding. Understanding the key concepts and produce acceptable quality welds reliably and economically.

COURSE CONTENT:

THEORY: 34 hrs

- Introduction to Welding Processes (SMAW, GTAW, GMAW, FCAW, SAW)
- Evaluation and Selection of Welding Consumables
- Safety Precautions
- Weldability and Weldability Tests
- Symbology of Welding
- Quality Assurance in Welding
- Economics of Welding
- Evaluation and Selection of Welding Processes
- Designing of Weldment
- Inspection and Testing of Weldments
- Distortion and Defects in Weldments-Causes and Remedies

PRACTICAL: 6 hrs

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

ELIGIBILITY:

Practicing engineers & Degree or Diploma in Mechanical Engineering

COURSE EVALUATION:

Set of objective type question paper

OUTCOMES:

This course will enable participants to understand the conventional welding processes to supervise & coordinate production welding activities effectively on shop or site.