

Course Objectives

Training is aimed at providing broad working knowledge of the Welding and Fitting Area which include detailed introduction of technique principles and in-depth hands on practices.

Contents

Welding:

- Brazing, Soldering, Gauging.
- AWS classification of Electrode & Filler metal selection.
- Types & position of welding, welding terminology & procedure,
- Welding standards, safety & metallurgy.
- Quality control tests for welding defects, inspection of welding defects & their remedies, Welding procedure specification (WPS), Welding qualification & certification test instruction.
- Practical training for SMAW & Fitter, Practical training
- for GTAW / TIG & Fitter, training for Oxy- Acetylene Gas
- Welding and practical training for Oxy- Acetylene Gas Cutting. Practical Training for Brazing, & Soldering.

Fitter :

- Fitter Trade Theory Introduction & Safety, Measurement & Measuring Tools, Marking & Marking Tools, Hand Tools, Cutting Tools. Screw Thread & Fasteners.
- Metal & Metal Heat Treatments, Modern Precision Instruments, Gauge & Template, Transmission & Power, Limits & Fits, Surface Finish, Lubricant & Cooling.
- Jigs & Fixtures, Installation & Maintenance of Machines, Pipe & Pipe Fittings, Sheet Metal, Lathe, Black Smithy, Other Machine Tools, Lifting Appliances, Inspection & Job Study.
- Practical Training for above Fitter trade related aspects.