

**Course Title: WELDING, PAINTING AND
FINAL ASSEMBLY**

Course Code: MMF 118 (T)

Course Background / Summary:

The automotive industry plays a crucial role in modern society, providing transportation solutions that are vital for personal, commercial, and industrial activities. Automotive assembly is at the heart of this industry, involving the intricate process of transforming individual components into a functional vehicle. To ensure efficient production and high-quality output, it's essential for individuals involved in this field to have a solid understanding of automotive assembly operations. This training course aims to provide participants with comprehensive knowledge about the various aspects of automotive assembly, from component preparation to final vehicle inspection.

Course Objectives:

- Master Welding Techniques
- Understand Painting Processes
- Comprehend Final Assembly
- Ensure Safety and Compliance
- Enhance Quality Control
- Optimize Workflow
- Appreciate Precision and Detail

Target Audience:

- Welding Operators/ Painting Technicians/ Assembly Line Workers/ Quality Control Personnel

Course Duration: 3 Days

Course Contents

1.0 Introduction to Welding, Painting, and Final Assembly Processes

7.0 Final Assembly Procedures and Best Practices

2.0 Welding Techniques and Methods (MIG, TIG, Spot Welding)

8.0 Precision and Alignment in Assembly

3.0 Welding Safety and Equipment Handling

9.0 Quality Control in Welding, Painting, and Assembly

Course Contents

4.0 Automotive Painting: Surface Preparation and Priming

10.0 Safety Regulations and Compliance

5.0 Automotive Painting: Base Coating, Clear Coating, and Curing

11.0 Workflow Integration and Efficiency

6.0 Painting Equipment and Booth Operation

12.0 Emerging Trends in Welding, Painting, and Assembly Technologies