

SSDF CONDUCTS CARPENTER SKILL UPGRADATION PROGRAM IN TAMIL NADU

Safety Skill Development Foundation (SSDF) has launched a 7-day Carpenter Skill Upgradation Program in Tamil Nadu as part of the ongoing initiative to skill 5,000 construction workers in collaboration with Larsen & Toubro and NAC Andhra Pradesh. The program focuses on strengthening traditional woodworking techniques while introducing participants to modern interior and framing practices, aimed at enhancing both craftsmanship and employability in construction and interior sectors.



Training Focus Areas Include:

1. Safe Handling of Carpentry Tools and Power Tools

Participants are trained in the correct selection, handling and maintenance of essential hand tools (such as saws, chisels, planes and squares) and power tools (including drills, cutters and sanders). The session also emphasizes **PPE use, ergonomic posture, and safe worksite practices** to reduce risk and improve operational efficiency.

2. Material Identification and Selection

Trainees learn to differentiate between **timber species, grades of plywood, engineered wood boards, and fibre-based panels**, including their **properties, durability, moisture resistance and appropriate applications** in construction and interior work. This ensures **cost-effective and quality-oriented material decisions** during fabrication.

3. Accurate Marking, Measuring and Cutting Techniques

Training includes layout methods, measuring units, calibration of tapes/levels, marking with precision tools, and **controlled cutting techniques** to improve product fit and reduce wastage. This enhances **dimensional accuracy**, which is critical in frame assembly and finishing.

4. Traditional Joinery Techniques

Hands-on skill development in **Housing Joint, Bridle Joint and Dovetail Joint** making is provided, as these joints ensure structural integrity in doors, windows and furniture. Participants learn **joint alignment, chiseling, fitting, tightening and finishing**, ensuring durability without excessive reliance on fasteners.

5. Fabrication of Door Frames, Window Frames & Panel Shutters

Step-by-step training is delivered on:

- Frame dimension calculation
- Cutting and assembly sequences
- Hinge/fastener placement
- Mortise and groove preparation
- Panel insertion and edge finishing

This equips workers to **independently fabricate market-ready doors and windows** for site installation or interior projects.

6. Surface Preparation, Painting, Polishing and Varnishing

Participants are trained in **surface sanding, knotting, sealing, application of putty, varnish and enamel finishes**, enabling them to achieve professional-grade finishing. This section enhances the ability to produce **aesthetically refined, long-lasting wood surfaces** tailored to customer requirements.

Expected Outcomes:

- Improved material selection and joint-making precision
- Ability to fabricate complete doors, windows and wooden partitions
- Enhanced finishing standards suitable for residential and commercial interiors
- Strengthened workplace safety awareness and tool handling discipline
- Increased readiness for employment and contract work in the carpentry and interior sector

Through this initiative, **SSDF continues to work towards developing a skilled, confident and safety-focused workforce**, capable of delivering high-quality workmanship in India's growing construction and interior development industry.