**WOODEN FURNITURE MAKING (WFMK)**

**General Information :**

1. Name of the Trade : Wooden Furniture Making

2. Entry Qualification : Passed Class VIII

3. Duration of Training : 06 Months [Under Vocational Short

Term Course]

**Objective of the Course:**

* To know different wood working tools.
* To know techniques in wood working to become a good craftsman.
* Able to know to prepare T-joint for best accuracy.
* Able to know mortise, tenon and corner joints.
* Able to prepare wooden furniture like chair, table, Almirah etc.
* Able to estimate to required wood.

**At the end of the trainings the trainees will be able to :**

* Select wood like seasoned Know the function of tools and their mainte­nance.
* Know carpentry process planning, chiseling, sawing etc.
* Know working machines and their operations.
* Estimate wood material required for a particular job.
* Do independently the required wood working.

The course content is to be covered in less than 26 weeks since some weeks will be used for enrolment procedure; leave of the instructor, holidays etc.

**Employment Opportunities :**

**Wages.**

1. Building constructions for preparation of doors, windows.

2. Can join in any furniture shop in regular basis or daily to make wooden furniture etc.

**Course Break-up :**

 (a) Practical instruction : 288 Hours.

 (b) Theoretical instruction : 67 Hours.

 (c) Entrepreneurial Instruction : 05 Hours.

**Marks Alloted :**

 (a) Practical

 (b) Theory

**Industrial visit :**

Industrial cum study tour to at least two different type of carpentry workship/ factory having modern machineries.

**MODULE - I**

1. Structure of wood

2. Seasoning of wood

3. Classification of wood

4. Common varieties of Indian timber

5. Carpentry tools

 i. Marking and measuring tools

 ii. Cutting tools

 iii. Planing tools

 iv. Boring tools

 v. Striking tools

 vi. Holding and miscellaneous tools

6. Carpentry Process

 a. Marking

 b. Sawing

 c. Planing

 d. Chiseling

 e. Boring

 f. Grooving

 g. Rebating

 h. Moulding

**MODULE – II**

7. Carpentry Joints

 i. Halving joints

 ii. Mortise Joint

 iii. Tenon Joints.

iv. Bridle Joint.

 v. Corner Joint

vi. Dowel Joint

vii. Tongue and Groove joint

viii. Screw and Slot joint Dovetail joint

8. **Wood working machines**

 a. Wood working lathe

 b. Circular saw

 c. Band saw

 d. Scroll saw

**OTJ :**

 1. Cutting saw practice

 2. Introduction of safety rules

 3. Identification of timber

 4. Identification of tools for different operation

 5. Planing practice

 6. Grinding and chamfering,

 7. Chiseling practice.

 8. Use of different chisels,

 9. Practice in making

 i. Halving joint.

 ii. Mortise and tenon joint,

 iii. Bridle joint.

 10. Setting and sharpening of different types of saws

 11. Single and common dovetail joints

**MODULE – III**

13. Tongue and groove joint

14. Small articles office tray fabrication

15. Familiarity with wood machines

16. Operation of circular saw

17. Operation of planning mix

18. Operation of drilling and grinding mix

19. Marking of beads

20. Fabrication of tool, wall stands, small rack, small tables, boxes

21. Furniture polishing and varnishing

22. Fabrication of door frames and shutters and repairing