

## Carpentry

**Carpentry I:** This hands-on carpentry course equips students with essential safety practices and practical woodworking skills. Students will learn to use and maintain hand tools, master sawing, planing, and chiseling techniques, and construct key woodworking joints. The curriculum covers timber seasoning, preservation, and quality control to ensure durable, high-quality craftsmanship. Through 15 hours of theory and 90 hours of practical training, students develop precision, efficiency, and a professional attitude toward carpentry work.



FYUP 3<sup>rd</sup> semester

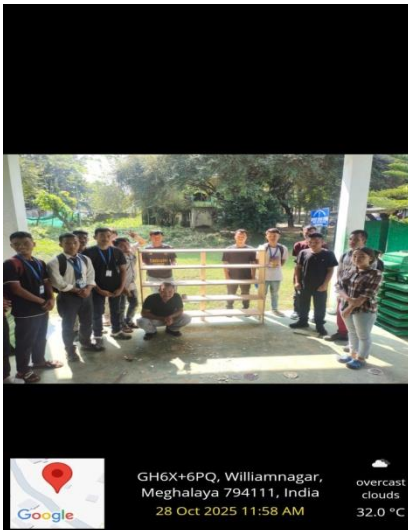
The students undergo hands-on woodworking training, practicing how to plane and smooth a piece of timber using a hand plane. During the practical session, students are taught to identify the tools used in carpentry.



The student is seen using a hand saw to cut timber during practical training.

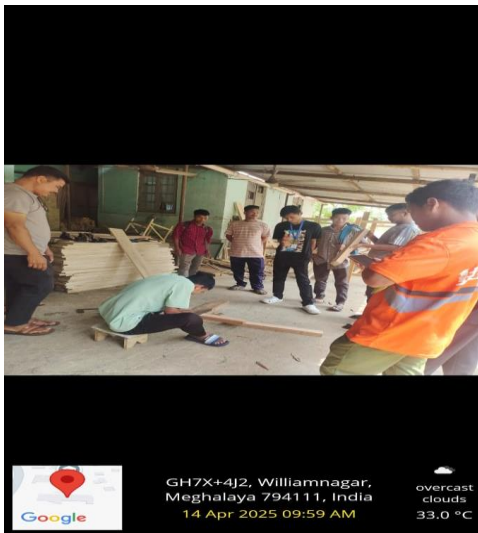


Students with the tea stools they constructed as part of their carpentry practical project.



Students with the wooden rack they constructed as part of their carpentry project work.

**Carpentry II:** This course builds mastery in both carpentry theory and hands-on skills. Students will learn to use boring tools, chisels, drilling machines, and planes while understanding timber types, plywood quality, and fasteners.



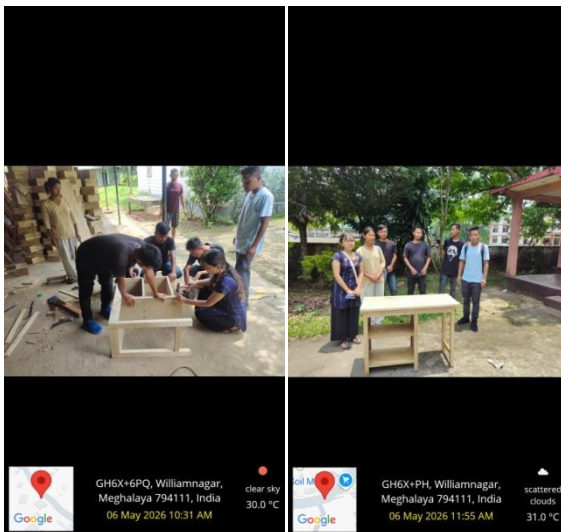
FYUP 4<sup>th</sup> Semester Students developing practical sawing skills with instructor supervision as part of Unit-II carpentry training.



Students gaining hands-on experience with chisels for wood shaping during carpentry practical training.



Students working together to construct a reading table as part of Unit-III furniture making practical.



**Carpentry III:** This course delivers mastery in woodworking machinery operations, pattern design, and furniture repair. Students will learn to operate saws, planers, routers, drilling machines, grinding machines, mortiser machines, and universal woodworking machines with full knowledge of parts, functions, and safety precautions. Through 90 hours of practical training, students gain hands-on skills in pattern and design making, constructing window frames and shutters, and repairing doors, windows, and racks. The course integrates essential geometry and measurement systems, applying angles, shapes, and unit conversions directly to woodworking projects for precision and accuracy. Key focus areas include machine care and maintenance, diagnosing equipment issues, safety protocols, and economic factors in

woodworking. By course end, students can design projects, execute repairs, and operate machinery confidently.



FYUP 6<sup>th</sup> Semester Students constructing and finishing a wooden rack with storage shelves during Unit-III practical training.