

Trades Details Summary

Trade Name	Description	Duration (Days)
Carpenter	To give Technical Training in Carpenter trade	18

Theory (Carpenter)

Topic	Keylearning Outcomes	Equipment Required	Duration
Doubt Clearing	•Feed Back • Group discussion	Presentations, White Board	2:0
Registration of participants	•Covid Declaration. Participants Profile. Describe the role of a Carpenter technician	White Board	2:0
Orientation Programme & Introduction about Entrepreneurship	• Entrepreneur, Entrepreneurship and Enterprise • Scheme & Types of Entrepreneurship • Importance of Entrepreneurship • Entrepreneurship Opportunities & Challenges • Startup Business • Cash Flow * Incubation Centre like DIC & IIT (BHU)	Presentations, Trainer Guide.	2:0
Carpenter safety & Knowledge about PPE	•What is Safety • Awareness about General Safety • Carpenter Safety . Use of PPEs: Hand Gloves, Safety Goggles, Apron, Earplugs Advantages of Safety • Do's & Don'ts	Presentations, Trainer Guide, personal protective equipment(PPE).	2:0
Introduction to Carpenter Trade	•Definition of Carpenter • Explain different types of Carpenter processes: Surface Smoothness, Squaring, Male-Female Carpenter, Drilling, etc. and associated equipment. Importance of Carpenter Uses of Carpenters	Presentations, Trainer Guide	2:0
Precision Measuring Instruments	•Micrometer (a) Parts and purpose (b) Least Count (c) How to read and take measurement (d) Importance of accuracy and precision • Vernier Calipers (a) Parts and purpose (b)Least Count (c) How to read and take measurement (d) Importance of accuracy and precision •Precautions	Presentations, Trainer Guide	2:0
Limits, Fits and Tolerance	•Limit, Types of Limit and its uses .Fits, Types of Fits and its uses .Tolerance, Types of Tolerance and its uses • Allowance, Types of Allowance and its uses •Precautions	Presentations, Trainer Guide	2:0
Carpenter Marking and Marking Tools	•Describe various types of marking methods • Marking media, types and uses • Punch, types and uses • Scriber, types and uses • Divider and its uses • Marking of table and its uses.	Presentations, Trainer Guide, personal protective equipment(PPE).	2:0
Carpenter Hand Tools	• Describe various types of hand tools Hammers, its types and uses .Vises, its types and uses • Clamps, their types and uses • Screw Drivers,its types and uses • Wrenches and Spanners, their types and uses • Pliers, its types and uses	Presentations, Trainer Guide, personal protective equipment(PPE).	2:0
Carpenter Cutting Tools	• Describe various types of cutting tools • Chisels, its types and uses • Chipping operation and methods •Files, its types and uses • Filing operation and methods • Hacksaw Frame and its types • Hacksaw Blade and its types • Hacksawing operation, methods and precautions • Chipping operations as per drawing	Presentations, Trainer Guide, personal protective equipment(PPE).	2:0
Drilling, Tapping, and Reaming	• Drill, and its types • Drill machines and their types • Methods of Drilling Operation • Reamer, and its types •Methods of Reaming • Tap, and its types • Methods of Tapping •Precautions	Presentations, Trainer Guide, personal protective equipment(PPE).	2:0
Varnish and polish	•Varnish and polishing types, methods of varnishing and polishing	Training kit (presentation, Trainer Guide),personal protective equipment (PPE)	2:0
Financial Management	• Financial Management • Resources / Fund availability by Bank • Loan Scheme like Mudra Loan	Presentations, White Board	2:0
Effective Communication	•Subordinates • Peers • Superiors • Customers	Audio-Video	5:0
First Aid	•Electrocution • Cut • Bleeding .Faint . Bandage , Resuscitation .Ambulance	Audio-Video	4:0
Material Handling	•Movement of Raw Material .Movement of Finished Material .Waste Segregation . Cleanliness .Stacking	Audio-Video	3:0

Carpenter Measuring Tools and Units	• Knowledge of Measuring tools and units • Measurement and different types of measuring tools • Steel Rule, types and its uses • Try square, types and its uses • Calipers, types and its uses . Measuring units: M.K.S.,C.G.S. and F.P.S. • Precautions	Presentations, Trainer Guide	2:0
Valedictory	•Work Ethics • Personal Financial Planning • Health	Presentations, White Board	2:0

Practical (Carpenter)

Topic	Keylearning Outcomes	Equipment Required	Duration
Carpenter Practical	•Sawing practice:	use of different types of the saws Ripping, cross cutting, curve cutting, oblique sawing etc: Use of the bench hook, bench vice, bench stop etc	5:0
Carpenter Practical	•Hand Tools and portable power tools-curve cutting saws	compass saw, coping saw, bow saw, fret saw etc-description, types, size, use, care and maintenance Sharpening and setting of saws Portable circular saw and its uses.	5:0
Carpenter Practical	•Planning practice:	Demonstration and uses of the planes Setting of the plane holding, Planning techniques Planning face side, face edge, use of marking gauge etc	6:0
Carpenter Practical	•Chiseling Practice and multiple chiseling practice	Demonstration and use of different types of chisels. Chiseling along the grain, across the grain of the vertical, horizontal etc. Grinding, sharpening and honing of chisel Holding tools-Clamps, G or C clamp or cramp, sash /T bar cramps, saw sharpening vice carpentry vice etc	8:0
Carpenter Practical	•Safety precautions:	Safety precaution of the carpentry hand tools Workshop discipline and safety, first aid etc Introduction to the trade and to carpentry hand tools, their classification, names and the uses Measuring, making and testing tools, types, sizes, uses, etc	8:0
Carpenter Practical	•Joint practice- Demonstration and making framing joints	Having joints, trenching and housing joints, Mortise and tenon joints, plain hunched tenon and mortise, MITRE tenon and mortise joint, stub terion, bare faced tenon, bride joints etc (any three of the tenon and mortise joint)	8:0
Carpenter Practical	Boring tools Description and types:	Country drill, hand or ratchet brace, breast d-parts, functions, since and use Portable electric drilling machine-description, uses Drill bes-type, size and uses	6:0

Carpenter Practical	•Framing Joints:	Having Mortse and tenon jorits, riddle joints desorption, types and uses	6:0
Carpenter Practical	•Simple wooden furniture making work	Demonstration and practice on Making a small wall bracket Prepare chalk box Tea tray or office Tray ,varnish and polish	6:0
