It's Objective, learning outcomes, Modules, assessments and material list

NAME OF THE COURSE:

	Submitted By :- **Quess Corp Limited**
Submitted to **:-** **Bihar Skill Development Mission,Labour Resources Department, GoB**	Session :

Course name:

- Course Id-
- Candidate Eligibility : 8th Class
- Course Duration: (In hours)   500

CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

Name and address of submitting body:Quess Corp Limited Quess House,3/3/2 Bellandur Gate, Sarjapur Road, Bengaluru 560103, Karnataka, India

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1. Curriculum Document

SUMMARY

Qualification Title	Formwork Carpenter
Qualification Code	
Nature and purpose of the qualification	**Nature** **70 days course for the job role of Bar bender and steel fixer** **Purpose** **Individuals in this position learn about how to perform the role of Formwork Carpenter** .
Body/bodies which will award the qualification	
Occupation(s) to which the qualification gives access	**Formwork Carpenter**
Entry requirements and / or recommendations	**8th Standard Pass**

1. **OBJECTIVE OF THE COURSE: -**

   Individuals in this position will be able to take up the job role of Formwork Carpenter in construction sector.

2. **LEARNING OUTCOMES:-**
   1. Make wooden shutters used in shuttering carpentry: - Use of hand and power tools for making wooden shutter boards
   2. Carry out quality checks for shuttering works: - Concepts of quality checking for shuttering works for various R.C.C structural elements
   3. Work effectively in a team to deliver desired results at the workplace :- Organised working procedure within a team at site

3. MODULE- 60 DAYS (Formwork Carpenter)

SI.	Module	Key Learning outcomes	Equipment required
1.	Introduction to Formwork Carpenter Theory duration (hh:mm) 32:00 Practical duration (hh:mm) 00:00	• Introduction on Construction Domain-Understanding construction activities • Introduction on Institution & Trade-Understanding the Context • Introduction to components-Understanding the importance of trade • Identify safety equipment and how to wear helmet & safety belt etc. • Documentation, materials & testing-Identify the timber & plywood, how to check the level, layout, planness • Introduction to general mathematics, Introduction to metric system- Whole numbers-adding subtracting, multiplying, dividing using calculater units of length , weight volume using metric scale, tape reading & applying to measure linear dimensions • Sizing of timber & drilling holes • Cutting of ply wood & drilling holes • Timber jointing • Conventional straight shutter making • Make system typical straight shutters	
2.	Introduction to Formwork Carpenter Theory duration (hh:mm) 00:00 Practical duration (hh:mm) 168:00	• Identify safety equipments and how to wear helmet & safety belt etc. • Through lasar tools Level transfer,Measurment and check the verticality • Documentation, materials & testing • Through lasar tools Level Transfer, Measurment. • Through lasar tools Level Transfer,Measurment, and check the verticality. • Sizing of timber & drilling holes • Cutting of ply wood& drilling holes • Timber jointing Practical • Conventional straight shutter making Practical • Make system typical straight shutters Practical	1. MEASURING TAPE 3 m 2. CLAW HAMMER 3. SPIRT LEVEL 0.3m 4. PLUMB BOB 5. TRY SQUARE 300 mm 6. D E SPANNER 10/11 7. NAIL BAR 600mm 8. HAND SAW 9. FIRMER CHISEL 1" 10. FIRMER CHISEL 1 1/2" 11. MORTISE CHISEL 1/2" 12. MORTISE CHISEL 1/4" 13. AUGER 18 mm 14. AUGER 12mm 15. OIL STONE 16. TRAINGULAR FILE 17. IRON JACK PLANNER 300 mm 18. TOOLS BOX **Material required** WIRE NAILS 1½ WIRE NAILS 2" WIRE NAILS 2½ " COTTON WASTE GREASE SHUUTTERING OIL **Consumables** Plywood 12 MM TIMBER 2"x3"x8'

3.	Employability Skills Theory duration (hh:mm) 108:00 Practical duration (hh:mm) 00:00	• **Basic IT Skills** ✓ Ice breaker ✓ IT in the construction industry ✓ Computer - Importance and its impact ✓ Basic operations of a computer ✓ Cache Memory ✓ RAM and ROM ✓ Processor ✓ Formatting ✓ Printers and Scanners ✓ Operating Systems ✓ Common Troubleshooting ✓ Basics of Microsoft Office ✓ Basic Network Structure ✓ Basic internet terminologies ✓ Identity theft and Firewalls • **Digital Literacy** ✓ Definition of digital literacy ✓ Concepts and sub concepts of digital literacy ✓ Demand for digital skills in a changing economic environment ✓ Mapping of digital literacy framework ✓ Building a digitally-resilient workforce ✓ Todays reality: workers lacking digital skills ✓ Understanding fragmented knowledge ✓ Digital skill gaps in construction sector ✓ Conceptualising success in the workplace • **Financial Literacy** ✓ An Introduction to Financial Literacy ✓ Conceptions of Financial Literacy ✓ Key Characteristics of an Effective Financial Literacy ✓ Financial Literacy in construction sectors: A Proposed Framework ✓ Building the Financial Education Capacity of Construction Workers: Does It Make a Difference? ✓ Savings ✓ Investing ✓ Budgeting ✓ Minimum wage ✓ Salary • **Health & Safety** ✓ Safety policy and procedures ✓ First aid and welfare facilities in the workplace ✓ Method statements ✓ Safety signs and the law ✓ Types of Hazards in the workplace ✓ Dealing with Hazards	

		✓ Storage of Chemical in the workplace ✓ Noise in the workplace ✓ Drugs and alcohol ✓ Dangers of using electrical equipment ✓ Identifying voltages ✓ Methods of storing electrical equipment ✓ Safe handling of materials and equipment ✓ Manual handling ✓ The use of lifting aids when handling materials and equipment ✓ Accidents and emergency – Types of accidents in construction ✓ Accident reporting procedure ✓ Importance of good housekeeping ✓ Risk assessments ✓ Legislation related to working at heights ✓ Types of access equipment ✓ PPE – What is PPE ✓ Why is PPE important ✓ Types of PPE ✓ Assessing suitable PPE ✓ Types of respiratory PPE	
4.	On Job training Theory duration (hh:mm) 00:00 Practical duration (hh:mm) 192:00	• Erection & Dismantle Stair Tower • Assemble & Dismantle System foundation • Assemble & Dismantle Column Form • Assemble & Dismantle Wall Form • Assemble & Dismantle Beam & Slab Form	