# National Occupational Skill Standard (NOSS)

Occupational Title : Wood Carver

Level : 2

Sector : Handicraft

Sub - Sector : Wood Craft

NOSS ID/NSCO ID :

ISCO NO



Council for Technical Education and Vocational Training

#### **NATIONAL SKILL TESTING BOARD**

Madhyapur Thimi-17, Sanothimi, Bhaktapur, Nepal

Developed: 04-01-2023 (20-09-2079)



#### **DACUM Panel:**

S. No.	Name	Designation	Organization
1.	Mr. Mahesh Shakya	Member	FHAN
			Thapathali, Kathmandu
2.	Ms. Purna Laxmi Shaky	Member	Burga Hastakala
			Bungamati, Lalitpur
3.	Mr. Jayram Maharjan	Member	Thecho Woodcraft
			Thecho, Lalitpur
4.	Mr. Dipak Shilpakar	Member	Buddha Wood Carving
			Bhaktapur
5.	Mr. Ram Bhakta Maharjan	Member	Burga Hastakala
			Bungamati, Lalitpur
6.	Mr. Sujendra Tuladhar	Member	Burga Hastakala
			Bungamati, Lalitpur
7.	Mr. Ganeshman Rajchal	Member	Bhaktapur Wood Craft
			Bhaktapur
8.	Mr. Hari Narayan Shilpakar	Member	Bhaktapur
9.	Mr. Amir Shakya	Member	Burga Hastakala
			Bungamati, Lalitpur
10.	Mr. Machaman Shilpakar	Member	Bhaktapur
11.	Mr. Narayan Prasad Shilpakar	Member	Bhaktapur Wood Craft
			Bhaktapur

#### **DACUM Coordinator:**

Mr. Anoj Bhattarai, Curriculum Division, CTEVT

#### **DACUM Coordinator / Facilitator:**

Mr. Laxman Kawan, Deputy Director, Curriculum Division, CTEVT

Mr. Kishor Chandra Sharma, Curriculum Officer, Curriculum Division, CTEVT

DACUM Workshop on 20 and 21 August 2022





#### **DACUM Verification Panel:**

S. No.	Name	Designation	Organization
1.	Mr. Dobarlal Shilakar	Member	Suryabinayak, Bhaktapur
2.	Mr. Kiran Kumar Sthapit	Member	FHAN Thapathali, Bhaktapur
3.	Mr. Narayan Prasad Shilpakar	Member	Bhaktapur Wood Craft Bhaktapur
4.	Mr. Rajesh Shilpakar	Member	Bhaktapur
5.	Mr. Rajaram Shilpakar	Member	Burga Hastakala Bungamati, Lalitpur
6.	Mr. Ratna Prakash Shilpakar	Member	Ratna Shree Wood Craft Bhaktapur
7.	Mr. Mahesh Shakya	Member	FHAN Thapathali, Kathmandu
8.	Mr. Kabiraj Bajracharya	Member	Burga Hastakala Bungamati, Lalitpur
9.	Mr. Sujendra Tuladhar	Member	Burga Hastakala Bungamati, Lalitpur

#### **DACUM Coordinator:**

Mr. Anoj Bhattarai, Curriculum Division, CTEVT

#### **DACUM Coordinator / Facilitator:**

Mr. Laxman Kawan, Deputy Director, Curriculum Division, CTEVT

Mr. Kishor Chandra Sharma, Curriculum Officer, Curriculum Division, CTEVT

**DACUM Workshop on 22 August 2022** 





#### The National Occupational Skill Standard Developed by:

No	Name	Designation	Organization
1.	Mr. Sanu Raja Shilpakar	Coordinator	Handicraft Technical Sub Committee National Skill Testing Board, Sanothimi, Bhaktapur
2.	Mr. Tek Bahadur Malla	Director	National Skill Testing Board Sanothimi, Bhaktapur
3.	Mr. Hera Ratna Bramhacharya	Member	Hira Artistic Wood Carving Bungamati, Lalitpur
4.	Mr. Pratham Raj Bajracharya	Member	Wood Craft Association of Nepal Jombahal, Lalitpur
5.	Mr. Sanjit Byaan Shrestha	Member	Bhaktapur Handicraft Association Suryabinayak, Bhaktapur
6.	Mr. Machaman Shilpakar	Member	Ajima Kasthakala Suryabinayak, Bhaktapur
7.	Ms. Ganga Shilpakar	Member	Jombahal, Lalitpur
8.	Mr. Dobar Lal Shilakar	Member	Suryabinayak, Bhaktapur
9.	Mr. Binod Baniya	Member-Secretary	Handicraft Technical Sub Committee National Skill Testing Board, Sanothimi, Bhaktapur
10.	Mr. Tulsi KC	Member	Sr. Skill Testing Officer National Skill Testing Board, Sanothimi, Bhaktapur
11.	Mr. Suresh Maharjan	Member	Sr. Skill Testing Officer National Skill Testing Board, Sanothimi, Bhaktapur

Recommended by Handicraft Technical Sub Committee: 04 January 2023 (20 Paush 2079)



NOSS ID: #



	cupational Title: Wood Carver vel: 2
2 Job	b Description:
	Wood carver, L-2 prepares tools, equipment and materials for wood carving, prepares design pattern and produce wood carving items.
3 UN	NITS OF COMPETENCY:
	1. Prepare tools, equipment and materials for wood carving
	2. Prepare design pattern
	3. Produce wood carving items
	4. Perform communication
	5. Develop professionalism
*	Note: Units 4 and 5 are not for testing purpose.
4 Qu	ialifying Notes/Prerequisites:
	Physical Requirements: Sound health
	Entry Requirements: As per NSTB rules
	Additional Information:
	Assessment Types: Performance test only
	<ul> <li>Assessment Duration: 8 to 10 hours (Full Competency Only)</li> <li>Recommended Group Size: 6 to 8 candidates</li> </ul>





Unit No:1 Unit Title: Prepare tools, equipment and mat	terials for wood carving Unit code:			
Elements of competency	Performance standards			
	1.1.1 Personal Protective Equipment (PPE) are used in accordance with task requirement.			
4.4. Called Lands and an install	1.1.2 Tools and equipment are selected and collected as per task requirement.			
1.1 Collect tools and equipment	1.1.3 Working condition of tools and equipment are checked and fault is tagged.			
	1.1.4 Tools and equipment are placed in workplace keeping enough space to work.			
	1.2.1 Tools and equipment set and adjusted as per the task requirement.			
	1.2.2 Tools and equipment sharpened using appropriate sharpening tools as per			
1.2 Prepare tools and equipment	manufacturer's guidelines.			
	1.2.3 Tools and equipment are lubricated and stored safely in an appropriate way.			
	1.3.1 <i>Condition of wood</i> inspected and labelled in accordance with industry practice.			
	1.3.2 <b>Quality wood</b> selected as per agreed product specification with clients.			
1.3 Select wood	1.3.3 Wood grain pattern matching performed based on workplace practices.			
	1.3.4 Damaged part of wood cut and stored separately based on their size.			
	1.4.1 Selected wood measured with minimum loss according to required measurement.			
1.4 Perform wood measurement	1.4.2 Wood marked clearly to right angle and dimension.			
	1.5.1 Workpiece clamped tightly without damage.			
1.5 Perform wood cutting	1.5.2 Workpiece cut straightly along the marked line following safety procedure.			
	1.5.3 Cut pieces stacked at designated location.			
	1.6.1 Tools and equipment cleaned and stored at designated location.			
1.6 Perform worksite clearance	1.6.2 Unused materials collected and stored in designated location.			
	1.6.3 Workplace cleaned and waste disposed as per 3R's principle at designated location.			





# 6 Task Performance Requirements (Tools, Equipment and Materials):

• Measuring tape, ruler, pen, paper, pencil, try square, marking thread, hand saw, hand planner, marking gauge, sliding bevel square, hammer, wooden base block, screwdriver, pincer, pliers, iron file, oil/water stone, sand paper, dressing stone, vice, clamp, circular saw, jig saw, miter saw, grinder, brush, dust bin, dust pan, broom, cloth, first aid kit and personal protective equipment (PPE).

#### 7 Safety and Hygiene (Occupational Health and Safety):

- Use personal protective equipment.
- Safe handling of tools, equipment and materials.
- Hazards involved in lifting tools, equipment and materials.
- Prevent from electrical hazards.



NOSS ID: #



		Requir	ed Knowledge				
8	Technical Knowledge		Applied (	Calculation	Gra	phical Informatio	n
	Tools, equipment and materials		Perform co	onversion of	• Rea	d and interpret	
	o Types		measurem	ent unit	mai	nufacturer's instru	ction
	o Uses				• Rea	d and interpret ca	rving
	<ul> <li>Operation and safe handling</li> </ul>				dra	wing	
	<ul> <li>Introduction of wood carving</li> </ul>						
	Wood carving principles						
	Introduction of wood						
	Source of wood						
	<ul> <li>Types of wood (Hard and soft wood)</li> </ul>						
	<ul> <li>Common types of wood used for wood carving</li> </ul>						
	Quality and selection of wood						
	Defects of wood						
	Conversion of log						
	Seasoning of wood (Natural and artificial seasoning)						
	Wood shaping and sizing						
	Waste management						
	Record keeping and documentation						
	<ul> <li>Occupational health and safety rules and regulations</li> </ul>						
^							
\Q\	NOSS ID: # Developed Date: 2023-01-04	Revision N	lumber: ##	Revised Date: dd/mm	л/уу	Page:8	TRADE A D OF





9	Assessment of Competency									
	Unit: 1									
	Unit Title: Prepare tools, equipment and materials for wood carving									
		sessors De	tail							
	Candidate's Name:			Assessors'	Name		ID/License No:			
	Registration Number:			1.						
	Symbol No:			2.						
	Test Centre:		Test Date:	3.						
Element of competency			Performance Standards		Standard Not Met	Evidence Type	Comments			
	Collect tools and equipment	1.1.1	Personal Protective Equipment (PPE) are used in							
			accordance with task requirement.							
		1.1.2	Tools and equipment are selected and collected as per							
1.1			task requirement.							
		1.1.3	Working condition of tools and equipment are checked							
			and fault is tagged.							
		1.1.4	Tools and equipment are placed in workplace keeping							
			enough space to work.							
		1.2.1	Tools and equipment set and adjusted as per the task							
			requirement.							
1.2	Prepare tools and	1.2.2	Tools and equipment sharpened using appropriate							
	equipment		sharpening tools as per manufacturer's guidelines.							
		1.2.3	Tools and equipment are lubricated and stored safely in an							





			appropriate way.		
		1.3.1	Condition of wood inspected and labelled in accordance		
			with industry practice.		
		1.3.2	Quality wood selected as per agreed product specification		
			with clients.		
1.3	Select wood	1.3.3	Wood grain pattern matching performed based on		
			workplace practices.		
		1.3.4	Damaged part of wood cut and placed/stored separately		
			based on their size.		
		1.4.1	Selected wood measured with minimum loss according to		
1.4	Perform wood		required measurement.		
	measurement	1.4.2	Wood marked clearly to right angle and dimension.		
		1.5.1	Workpiece clamped tightly without damage.		
	5 ( )	1.5.2	Workpiece cut straightly along the marked line following		
1.5	Perform wood cutting		safety procedure.		
		1.5.3	Cut pieces stacked at designated location.		
		1.6.1	Tools and equipment cleaned and stored at designated		
			location.		
1.6	Perform worksite	1.6.2	Unused materials collected and stored in designated		
	clearance		location.		
		1.6.3	Workplace cleaned and waste disposed as per 3R's		
			principle at designated location.		

**WT**- Written Test

**OQ**- Oral Question

**PT-** Practical Test

**DO** – Direct Observation

**SR**- Supervisor's report

**SN**–Simulation

**RP**- Role Play

**PG** –Photographs

**VD**- Video

**CT** – Certificates

**TS** – Testimonials (Reward)

**PP** – Product Produced

**CS** – Case Study



Developed Date: 2023-01-04

**Revision Number: ##** 

Revised Date: dd/mm/yy



# **Range Statement**

Variable	Range					
Personal protective equipment	May include but not limited to:  Hat  Mask  Apron  Face shield/Goggles  Gloves  Safety shoes  Ear plug					
Tools and equipment	М	<ul> <li>ay include but not limited to:</li> <li>Measuring and mark</li> <li>Cutting tools</li> <li>Planing tools</li> <li>Sanding tools</li> <li>Clamping tools</li> <li>Shaping/chiselling to</li> <li>Drilling tools</li> </ul>				
Sharpening tools  NOSS ID: # Developed Date: 2023-01-04	М	<ul> <li>ay include but not limited to:</li> <li>Oil/water stone</li> <li>Sand paper</li> <li>Dressing stone</li> <li>Iron file</li> </ul> Revision Number: ##	Revised Date: dd/mm/yy	Page:11		

	Grinder
Condition of wood	May include but not limited to:
	Wood maturity
	Wood health
	Moisture content
	• Dryness
	Wood density
	Natural state
	Wood type
Quality wood	May include but not limited to:
	Straight
	• Knotless
	Rotten free
	Crack free
	• Seasoned
	Sap free woods
3R's principle	May include but not limited to:
	• Reduce
	• Reuse
	Recycle





5	Unit No:2 Unit Title: Prepare design pattern			Unit code:	
	Elements of competency		Performance standards		
		2.1.1	Personal prot	ective equipment (PPE) used in accordance with task requirement.	
	2.1 Drawaya ta ala agricina ant and mataviala	2.1.2	Tools and equ	ipment collected and checked for working condition in accordance with	
	2.1 Prepare tools, equipment and materials		task requirem	ent.	
		2.1.3	Materials colle	ected in accordance with task requirements.	
		2.2.1	Client's requir	ement collected for <i>carving items.</i>	
	2.2 Prepare free hand drawing	2.2.2	Free hand dra	wing prepared for approved carving items.	
		2.2.3	Free hand dra	wing converted into full scale (1:1) drawing pattern.	
		2.3.1	Tracing paper	placed over the drawing covering it completely.	
		2.3.2	Edges of the p	paper secured with tape to prevent from shifting.	
	2.3 Trace design in tracing paper	2.3.3	All the lines fr	om drawings traced lightly with the help of pencil on the tracing paper.	
		2.3.4	Accuracy of tr	aced drawing checked and adjusted as per original drawing.	
		2.3.5	Drawing patte	erns re-traced with permanent pen.	
		2.4.1	Traced drawin	ng placed over the <i>pattern making materials</i> .	
		2.4.2	Edges of the p	paper secured with tape to prevent from shifting.	
	2.4 Prepare template for wood carving	2.4.3	Traced drawir	ng transferred exactly in full size (1:1) on pattern making materials.	
		2.4.4	Unnecessary p	portion removed from pattern as per design.	
		2.4.5	Prepared patt	ern checked and stored safely.	
		2.5.1	Wood measur	red according to approved pattern design.	
	2.5 Transfer design in wood	2.5.2	Pattern templ	ate put on top surface of the work piece in line and level.	
		2.5.3	Pattern traced	d with a tolerance of 1mm.	
	2.6 Perform worksite clearance	2.6.1	Tools and equ	ipment cleaned and stored at designated location	
	2.6 Perform worksite clearance	2.6.2	Unused mater	rials collected and stored in designated location.	





	2.6.3 Workplace cleaned and waste disposed as per 3R's principle at designated location.
6	Task Performance Requirements (Tools, Equipment and Materials):
	• Drawing board, drawing paper, pen, pencil, scale, eraser, sharpener, marker, set square, carbon paper, masking tape, protractor, compass, measuring tape, tracing paper, pattern making materials, sketch book, metal stylus, tracing blade, scissor, hacksaw, flat chisel, curve chisel, mallet, dust bin, dust pan, broom, cloth, first aid kit and personal protective equipment (PPE).
7	Safety and Hygiene (Occupational Health and Safety):
	Use personal protective equipment.
	Safe handling of tools, equipment and materials.
	Hazards involved in lifting tools, equipment and materials.
	Prevent from electrical hazards.





	Requi	red Knowledge	
8	Technical Knowledge	Applied Calculation	Graphical Information
	Drawing tools and instrument -	Perform conversion of	Read and interpret drawing
	o Types	measurement unit	
	<ul> <li>Uses</li> </ul>	Conversion of drawing scale	
	<ul> <li>Safe handling</li> </ul>		
	<ul> <li>Introduction of drawing and design pattern</li> </ul>		
	<ul> <li>Type of drawing lines, sign, symbols and their uses</li> </ul>		
	Freehand drawing and its importance		
	Types of drawing pattern		
	<ul> <li>Ornamental pattern</li> </ul>		
	<ul> <li>Traditional motif pattern</li> </ul>		
	<ul> <li>Geometric pattern</li> </ul>		
	Use and importance of template		
	Template making technique		
	Advantages and disadvantages of pattern making		
	Tracing pattern on paper		
	Tracing design on wood		
	Measurement system		
	Waste management		





Record keeping and documentation	
Occupational health and safety rules and regulations	





9	Assessment of Competency									
	Unit: 2									
	Unit Title: Prepare des									
			Candidate Details		As	ssessors De	tail			
	Candidate's Name:			Assessors'	Name		ID/License No:			
	Registration Number:			1.						
	Symbol No:			2.						
	Test Centre:		Test Date:	3.						
Element of competency			Performance Standards		Standard Not Met	Evidence Type	Comments			
	Prepare tools,	2.1.1	Personal protective equipment (PPE) used in accordance							
2.1			with task requirement.							
	equipment and	2.1.2	Tools and equipment collected and checked for working							
	materials		condition in accordance with task requirement.							
		2.1.1	Materials collected in accordance with task requirements.							
		2.2.1	Client's requirement collected for <i>carving items</i> .							
2.2	Prepare free hand	2.2.2	Free hand drawing prepared for approved carving items.							
	drawing	2.2.1	Free hand drawing converted into full scale (1:1) drawing							
			pattern.							
		2.3.1	Tracing paper placed over the drawing covering it							
2.3	Trace design in tracing		completely.							
	paper	2.3.2	Edges of the paper secured with tape to prevent from							
			shifting.							





		2.3.3	All the lines from drawings traced lightly with the help of		
			pencil on the tracing paper.		
		2.3.4	Accuracy of traced drawing checked and adjusted as per		
			original drawing.		
		2.3.1	Drawing patterns re-traced with permanent pen.		
		2.4.1	Traced drawing placed over the <i>pattern making materials</i> .		
		2.4.2	Edges of the paper secured with tape to prevent from		
			shifting.		
2.4	Prepare pattern	2.4.3	Traced drawing transferred exactly in full size (1:1) on		
	template		pattern making materials.		
		2.4.4	Unnecessary potion removed from pattern as per design.		
		2.4.1	Prepared pattern checked and stored safely.		
		2.5.1	Wood measured according to approved pattern design.		
2.5	Transfer/Trace design	2.5.2	Pattern template put on top surface of the work piece in		
	in wood		line & level		
		2.5.1	Pattern traced with a tolerance of 1mm.		
		2.6.1	Tools and equipment cleaned and stored at designated		
			location		
2.6	Perform worksite	2.6.2	Unused materials collected and stored in designated		
	clearance		location.		
		2.6.1	Workplace cleaned and waste disposed as per 3R's		
			principle at designated location.		

**WT**- Written Test

**OQ**- Oral Question

**PT-** Practical Test

**DO** – Direct Observation

**SR**- Supervisor's report

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**CS** – Case Study

NOSS ID: #



Developed Date: 2023-01-04

**Revision Number: ##** 

Revised Date: dd/mm/yy

# **Range Statement**

Variable		Range							
Personal protective equipment	M	May include but not limited to:  Hat  Mask Apron Goggles Gloves							
Carving items	M	<ul> <li>Safety shoes</li> <li>May include but not limited to: <ul> <li>Srivatsa (Endless knot)</li> <li>Pundarika (Lotus flower)</li> <li>Dhoja (Banner/flag)</li> <li>Kalash (Pitcher/vessel)</li> <li>Chamar (Yak's tails)</li> <li>Matsya Yugma (A pair of fish)</li> <li>Chhatra (Umbrella)</li> <li>Sankha (Conch shell)</li> </ul> </li> </ul>							
NOSS ID: # Developed Date: 2023	-01-04	<ul> <li>Dharma chakra</li> <li>Purna kalash</li> <li>Dargon</li> <li>Om</li> <li>Khatkon (Hexagonal</li> </ul> Revision Number: ##	star)  Revised Date: dd/mm/yy	Page:19	CTE V2				

	<ul> <li>Gachwo/Vastra (Shawl)</li> <li>Letters (Calligraphy)</li> <li>Leaves and flowers</li> <li>Jhallar (Border/Canopy)</li> <li>Kotapau (Panel)</li> <li>Vajra</li> <li>Vishwo vajra</li> <li>Aayudh/Jwonsaa (Hand held items)</li> </ul>
Drawing pattern	May include but not limited to:  Ornamental pattern  Traditional motif pattern  Geometric pattern
Pattern making materials	May include but not limited to:  Cardboard  Film paper  Wood/plywood  Plastic sheet
3R's principle	May include but not limited to:  Reduce Reuse Recycle





5	Unit No:3 Unit Title: Produce wood carving products			Unit code:
	Elements of competency			Performance standards
		3.1.1	Personal prote	ective equipment (PPE) used in accordance with task requirement.
	2.1. Propaga tools aguinment and materials	3.1.2	Tools and equ	ipment collected and checked for working condition in accordance with
	3.1 Prepare tools, equipment and materials		task requirem	ent.
		3.1.3	Materials colle	ected in accordance with task requirements.
		3.2.1	Required mate	erial types and quantities listed based on design and client's requirement.
		3.2.2	Materials cost	s estimated based on market price.
	3.2 Prepare estimate	3.2.3	Labour and tir	ne required to produce <i>carving items</i> estimated based on job nature.
		3.2.4	Total cost of c	arved items calculated based on estimates and documented according to
			workplace for	mat.
		3.3.1	Wood measur	ed according to approved pattern design.
		3.3.2	Drawing patte	rn transferred exactly in full size (1:1) on wood.
	2.2 Transfer design on wood	3.3.3	Unnecessary p	ortion removed from the template.
	3.3 Transfer design on wood	3.3.4	Horizontal and	l vertical center line marked on work piece.
		3.3.5	Pattern templ	ate put on top surface of the work piece in line and level.
		3.3.6	Pattern traced	with a tolerance of 1mm.
		3.4.1	Outline of the	design carved along the traced pattern.
		3.4.2	Unnecessary p	ortion removed from the traced pattern.
	3.4 Perform carving	3.4.3	Blocking tech	nique is performed to conform with wood grains.
		3.4.4	Rough carving	prepared as per the design using appropriate carving technique.
		3.4.5	Detailed carvi	ng technique applied to refine the carving and meet <i>design requirements</i> .
	2.5. Conduct ourfacing	3.5.1	Surfacing mat	rerials selected based on nature of wood and wood grain.
	3.5 Conduct surfacing	3.5.2	Carved items	cleaned and foreign materials removed from surface.





		3.5.3 Wood putty prepared and cracks, joints, knots and voids on carved surface filled								
		uniformly.								
		3.5.4 Uneven and rough surface sanded and smoothened along wood grains.								
		3.5.5 Sanded surface wiped and dust removed.								
		3.6.1 Tools and equipment cleaned and stored at designated location								
	3.6 Perform worksite clearance	3.6.2 Unused materials collected and stored in designated location.								
		3.6.3 Workplace cleaned and waste disposed as per <i>3R's principle</i> at designated location.								
	base block, screwdriver, pincer, pliers, nail po circular saw, jig saw, grinder, spoon bit chisel punching chisel (star, eye, straights, curves, o	square, hand saw, hand planner, marking gauge, sliding bevel square, mallet, hammer, wooden unch, sharpening tools, vice, clamp, drill machine with bits, router machine/trimmer with bits, dog feet chisel, angular chisel, v shape chisel, u shape chisel, gouge, c shape chisel, flat chisel, diamond, square, triangular, drops, twirls, circular), blunt chisel, molding chisel, timber/wood, n, dust pan, broom, cloth, first aid kit and personal protective equipment (PPE).								
7	Safety and Hygiene (Occupational Health and Safety	r):								
	Use personal protective equipment.									
	Safe handling of tools, equipment and materia	als.								
	<ul> <li>Hazards involved in lifting tools, equipment ar</li> </ul>	nd materials.								
1	Prevent from electrical hazards.									

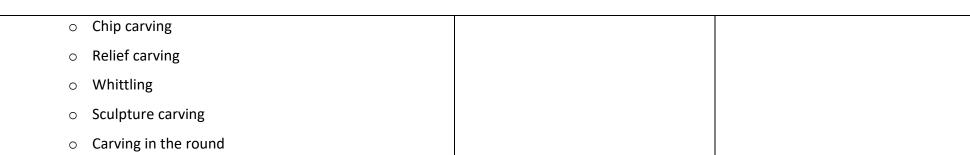




	Required Knowledge										
8	Technical Knowledge	Applied Calculation	Graphical Information								
	<ul> <li>Tools, equipment and materials         <ul> <li>Types</li> <li>Uses</li> <li>Operation and safe handling</li> </ul> </li> <li>Introduction of wood carving</li> <li>Wood carving principles</li> <li>Introduction of wood</li> <li>Source of wood</li> <li>Types of wood (Hard and soft wood)</li> <li>Common types of wood used for wood carving</li> <li>Quality and selection of wood</li> <li>Defects of wood</li> <li>Conversion of log</li> <li>Seasoning of wood (Natural and artificial seasoning)</li> <li>Cost estimate</li> <li>Types of design pattern</li> <li>Transferring design on wood</li> <li>Wood carving method</li> </ul>	Calculate cost of carved items     Perform conversion of measurement unit	<ul> <li>Read and interpret carving drawing</li> <li>Read and interpret manufacturer's instruction</li> </ul>								







Letter carving

• Wood carving technique

Wood carving process

• Fixing damaged wood carvings

• Surfacing and finishing of carving items

Waste management

Record keeping and documentation

Occupational health and safety rules and regulations





9	Assessment of Competency										
	Unit: 3										
	Unit Title: Produce wo	Unit Title: Produce wood carving items									
			Candidate Details		As	ssessors De	tail				
	Candidate's Name:			Assessors'	Name		ID/License No:				
	Registration Number:			1.							
	Symbol No:			2.							
	Test Centre:		Test Date:	3.							
Elei	Element of competency		Performance Standards	Standard Met	Standard Not Met	Evidence Type	Comments				
		3.1.1	Personal protective equipment (PPE) used in accordance								
3.1	Prepare tools,		with task requirement.								
	equipment and	3.1.2	Tools and equipment collected and checked for working								
	materials		condition in accordance with task requirement.								
			Materials collected in accordance with task requirements.								
		3.2.1	Required material types and quantities listed based on								
			design and client's requirement.								
		3.2.2	Materials costs estimated based on market price.								
3.2	Prepare estimate	3.2.3	Labour and time required to produce <i>carving items</i>								
			estimated based on job nature.								
		3.2.4	Total cost of carved items calculated based on estimates								
			and documented according to workplace format.								





		3.3.1	Wood measured according to approved pattern design.		
		3.3.2			
		3.3.2	wood.		
	3.3 Transfer design on	3.3.3	Unnecessary portion removed from the template.		
3.3					
wood	3.3.4	·			
	3.3.5	·			
			line and level.		
		3.3.6	Pattern traced with a tolerance of 1mm.		
		3.4.1	Outline of the design carved along the traced pattern.		
		3.4.2	Unnecessary portion removed from the traced pattern.		
		3.4.3	Blocking technique is performed to conform with wood		
	Perform carving		grains.		
3.4		3.4.4	Rough carving prepared as per the design using		
			appropriate <i>carving technique</i> .		
		3.4.5	Detailed carving technique applied to refine the carving		
			and meet <i>design requirements</i> .		
		3.5.1	Surfacing materials selected based on nature of wood and		
			wood grain.		
		3.5.2	Carved items cleaned and foreign materials removed from		
			surface.		
3.5	Conduct surfacing	3.5.3	Wood putty prepared and cracks, joints, knots and voids		
			on carved surface filled uniformly.		
		3.5.4	Uneven and rough surface sanded and smoothened along		
			wood grains.		
		355	Sanded surface wiped and dust removed.		
		3.3.3	Saliaca saliace wiped and dust removed.		





3.6 Perform worksite clearance	3.6.1	Tools and equipment cleaned and stored at designated				
		location				
	3.6.2	Unused materials collected and stored in designated				
		location.				
		3.6.3	Workplace cleaned and waste disposed as per 3R's			
			principle at designated location.			

**WT**- Written Test

**OQ**- Oral Question

**PT-** Practical Test

**DO** – Direct Observation

**SR**- Supervisor's report

**SN**–Simulation

**RP**- Role Play

**PG** –Photographs

**VD**- Video

**CT** – Certificates

**TS** – Testimonials (Reward)

**PP** – Product Produced

**CS** – Case Study





# **Range Statement**

Variable	Range
Personal protective equipment	<ul> <li>May include but not limited to:</li> <li>Hat</li> <li>Mask</li> <li>Apron</li> <li>Face shield/Goggles</li> <li>Gloves</li> <li>Safety shoes</li> </ul>
Carving items	<ul> <li>Ear plug</li> <li>May include but not limited to: <ul> <li>Srivatsa (Endless knot)</li> <li>Pundarika (Lotus flower)</li> <li>Dhoja (Banner/flag)</li> <li>Kalash (Pitcher/vessel)</li> <li>Chamar (Yak's tails)</li> <li>Matsya Yugma (A pair of fish)</li> <li>Chhatra (Umbrella)</li> </ul> </li> </ul>
	<ul> <li>Sankha (Conch shell)</li> <li>Swastik</li> <li>Dharma chakra</li> <li>Purna kalash</li> <li>Dargon</li> </ul>





	• Om
	Khatkon (Hexagonal star)
	Gachwo/Vastra (Shawl)
	Letters (Calligraphy)
	Leaves and flowers
	Jhallar (Border/Canopy)
	Kotapau (Panel)
	• Vajra
	Vishwo vajra
	Aayudh/Jwonsaa (Hand held items)
Blocking technique	May include but not limited to:
	• Shaping
	• Forming
Carving technique	May include but not limited to:
	• Cutting
	• Chiselling
	Drilling/boring
	• Grooving
	Spooning/scooping
	Waving
	• Punching
	Grounding
	Levelling
	Bevelling
<u> </u>	Stepping

CTEV7 TRADE

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	<ul> <li>Embossing</li> <li>Engraving</li> <li>Enlacing</li> </ul>
Design requirements	May include but not limited to:
	<ul> <li>Shape</li> <li>Dimension</li> <li>Style</li> <li>Uniform distance</li> <li>Alignment</li> <li>Fineness</li> </ul>
Surfacing materials	May include but not limited to:  Wax  Wood putty  Wood glue/adhesive  Marine epoxy  Sanding sealer  Lacquer varnish  Sand paper
Finishing	<ul> <li>May include but not limited to:</li> <li>Application of stains</li> <li>Application of varnishes</li> <li>Application of waxes</li> </ul>





3R's principle	May include but not limited to:
	• Reduce
	• Reuse
	Recycle





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