

DACUM Panel

1. Mr. Deepak Basnet, S. S. Technician, Dhapakhel, Lalitpur
2. Mr. Ram Kumar Rai, S. S. Technician, Sindhupalchowk Metal Udhyog, Lalitpur
3. Mr. Dhaniram Chaudhary, C.E. Metal, Basundhara, Kathmandu
4. Mr. Sunil Kumar Amatya, Amatya Tammu Steel Fabricator, Kathmandu
5. Mr. Khageshwar Upaddhaya, C.E. Hydro Mechanical Works, Kathmandu
6. Mr. Milan Chaudhary, C.E. Metal, Basundhara, Kathmandu
7. Mr. Hari Prasad Lamichhane, Saangam Metal, Balaju, Kathmandu
8. Mr. Raj Kumar Aryal, R. D. Metal, Balaju, Kathmandu
9. Mr. Ram Thapa, Kantipur Kitchen, Kathmandu

DACUM Coordinator

Kailash Kumar Ranjit, Panchakanya Training Institute Pvt. Ltd., Pokhara, Kaski

DACUM Facilitator/Recorder

Mr. Sagar Mani Lamsal, Curriculum & Training Expert, Kathmandu

Mr. Suraj Mani Lamsal, Kathmandu

Verification Panel

1. Mr. Madhu Sudhan Nepal, Mechanical Supervisor, Machha Puchhre Metal Workshop Pvt. Ltd., Industrial Estate, Pokhara, Kaski
2. Mr. Rajan Tamrakar, SS Technician, Kaski
3. Mr. Prem Chaudhary, S.S. Technician, Laxmi Steel Udhyog, Simalchour, Pokhara, Kaski
4. Mr. Prashant Kumar Dev, Assistant Technician, Western Resigon Campus (IOE), Pokhara, Kaski
5. Mr. Kusum Baral SS Technician, Kaski
6. Mr. Shiva Sharma, Assistant Technician, Western Resigon Campus (IOE), Pokhara, Kaski
7. Mr. Kanchan Rijal, S.S. Technician, Chandra Metal Industries, Ranipauwa, Pokhara, Kaski
8. Mr. Suresh Maharjan, SS Technician, Nayabazar, Pokhara
9. Mr. Deepak Chaudhary, S.S. Technician, Chandra Metal Industries, Ranipauwa, Pokhara, Kaski
10. Mr. Nalina Shrestha, SS Technician, Kaski
11. Mr. Bhimsen Bhuda Magar, S.S. Technician, Chandra Metal Industries, Ranipauwa, Pokhara, Kaski
12. Mr. Kishor Rashaily, Instructor, Panchakanya Training Institute Pvt. Ltd., Pokhara, Kaski

DACUM Facilitator/Co-Facilitator

Mr. Ram Hari Devkota, Dy Director, NSTB, Sanothimi, Bhaktapur

Mr. Ishwar Chandra Ghimire, Skill Testing Officer, NSTB, Sanothimi, Bhaktapur

Technical Sub Committee

1. Prof. Rabindra Nath Bhattarai
Co-ordinator, Mechanical Tech. Sub Committee
2. Mr. Chandra Bhakta Nakarmi, Member
Director, NSTB, Sanothimi
3. Mr. Binaya Manandhar, Member
Chief Instructor, Thapathali Campus, Kathmandu
4. Mr. Ujjwal Satyal, Member,
Director, Quality Kitchen Equipment, Balaju, Kathmandu
5. Mr. Sunil Amatya, Member
MD, CE Metal Works Pvt. Ltd., Basundhara, Kathmandu
6. Mr. Ishwor Lal Shrestha, Assistant
Instructor, BSET, Balaju, Kathmandu
7. Mr. Deepak Prasad Poudel, Member
Dy-Director, NSTB, Sanothimi
8. Mr. Ram Hari Devkota, Member
Dy-Director, NSTB, Sanothimi
9. Mr. Ishwar Chandra Ghimire, Member
Skill Testing Officer, NSTB, Sanothimi
10. Mr. Suresh Bhaila, Memb. Secretary
Sr. Skill Testing Officer, NSTB, Sanothimi

Occupational Profile



Stainless Steel Fabricator, L-1

Sector: Mechanical Sub Sector: Fabrication

(DACUM Workshop held on 10 & 11 September 2011)

(Customized DACUM workshop held on 18 & 19 Oct. 2011)

(Technical Sub Committee Meeting on 2 November 2011)



Council For Technical Education and Vocational Training

NATIONAL SKILL TESTING BOARD

Madyapur Thimi 17, Sanothimi, Bhaktapur

Nepal

(NSTB approval date)

A. Maintain Health and Safety

A1. Maintain Personal Safety			A2. Maintain tools and equipment safety			A3. Handle materials safely			A4. Maintain workshop/work area safety		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	1	3	3	2	1	3	2	3	3	1	3
A5. Apply first aid											
Task rating											
Importance	Difficulty	Frequency									
3	1	1									

B. Maintain Tools and Equipment

B1. Maintain measuring tools			B2. Maintain cutting tools			B3. Maintain clamping tools			B4. Maintain drilling tools		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	1	3	3	2	3	3	1	3	3	2	2
B5. Maintain fastening tools			B6. Maintain joining tools			B7. Lubricate/grease tools & equipment					
Task rating			Task rating			Task rating					
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency			
2	1	3	2	2	3	3	1	3			

C. Perform Bench Work for Railing

C1. Perform measuring/markings			C2. Perform layout			C3. Perform cutting			C4. Perform filing		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	3	3	3	3	3	3	3	3	2	1
C5. Perform punching			C6. Perform drilling			C7. Perform counter sinking			C8.		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
2	2	1	2	3	1	2	2	1	3	2	3
C9. Perform number punching			C10. Perform screwing			C11. Perform grinding					
Task rating			Task rating			Task rating					
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency			
2	1	1	2	2	2	3	2	3			

D. Perform Welding Operations

D1. Perform arc striking			D2. Perform tack welding			D3. Perform simple arc welding			D4. Perform simple tig welding		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	3	3	3	3	3	3	3	3	3	2
D5. Perform spot welding											
Task rating											
Importance	Difficulty	Frequency									
2	1	2									

E. Fabricate Railing

E1. Fabricate simple top railing			E2. Fabricate simple stair railing			E3. Fabricate simple compound railing			E4. Fabricate simple fence railing		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	3	3	2	3	3	3	3	3	3	3
E5. Fabricate simple parking railing											
Task rating											
Importance	Difficulty	Frequency									
3	3	3									

DUTIES and TASKS

F. Assemble Pipe Fittings

F1. Assemble elbow joint			F2. Assemble reducer			F3. Assemble tee joint			F4. Assemble cross joint		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	3	3	3	2	2	2	1	2	1	2
F5. Assemble Y joint											
Task rating											
Importance	Difficulty	Frequency									
2	2	1									

G. Perform Finishing

G1. Perform chipping			G2. Perform grinding			G3. Perform soap polishing			G4. Perform buffing		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	1	3	3	3	3	3	2	3	3	3	2
G5. Apply Putty			G6. Perform cleaning								
Task rating			Task rating								
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency						
3	3	3	3	3	3						

Rating options:

1= Low

2= Medium

3= High

DUTIES and TASKS

Additional Information for Job Title

<p style="text-align: center;"><u>Worker's Trait</u></p> <ul style="list-style-type: none"> • Polite • Creative • Punctual • Helpful • Sincere • Tactful • Service Oriented • Healthy • Hard working • Confidential • Decisive • Co-operative 	<p style="text-align: center;"><u>Entry Requirement</u></p> <ul style="list-style-type: none"> • 3 Months Training (390 hrs) <p style="text-align: center;">Or</p> <ul style="list-style-type: none"> • As per NSTB rules 	<p style="text-align: center;"><u>Career Path</u></p> <p style="text-align: center;">Stainless Steel Fabricator, L- 2</p>
<p style="text-align: center;"><u>Related Technical Knowledge</u></p> <p>Knowledge on:</p> <ul style="list-style-type: none"> • Tools and equipment. • Identifying the metals. • Working principal of machines and equipment. • Measurements. • Various fittings. • Handling of equipments. • Interpretation of drawing and sketch. • Symbols and lay out. • Safety precaution. • Different types of welding. • Different types of cutting. • Different types of joints. • Drilling, filing, grinding, riveting, punching. • Repair and maintenance. • Arc welding • Tig welding • Sheet metal operation (rolling, folding, bending, notching, seaming, hemming) • Identification of electrode. • Welding position. • Types of welding joints. 		<p style="text-align: center;"><u>Tools and equipment</u></p> <ul style="list-style-type: none"> • Tri square • Cotton thread • Welding Machine • TIG welding machine with argon gas • Cutting Machine • Hand grinding • Extension cable • Welding cable with electrode holder and ground clamp • Hammers • Screw driver set • Chisel • Plumb-bob • Sprit level • Measuring Tape • Drill machine with drill bit • Hose pipe • Grinding Machine • Grinding wheel • Marble cutter • Emery cloth/Sand paper (80 no., 60 no.) • Stainless steel paste\flux • Buffing soap • Buffing wheel • Filler rod • TIG electrode • Nozzle • Hand shield • TIG holder • Argon gas regulator • Cylinder key • Fitting spanner • Wire brush/chipping hammer • Concrete bit • Drill chuck key • Tong/pliers • Rolling machine • Folding machine • Bending machine • Lathe machine • Shearing machine • Rivet and riveting set • Files • Bench vice • Center punch/ Prick punch • Vice clamp • Hacksaw • Marking scriber • Self screw • Safety boot • Gloves • Helmet • Safety belt • Safety equipment

DUTIES and TASKS