

Assessment Evidence Guide

for

“Dies and Mould Technology”

Level-2

**Perform Basic Engineering Drawings
(Formative Assessment)**

1st -5th March 2021



**National Vocational & Technical
Training Commission**

Title of Qualification: National Vocational Certificate Level 2, in (Dies and Mould Technology) "Machinist"	CS Code:	Level: 2	Version: 01
Competency Standard Title: Perform Basic Engineering Drawings Maintain Personal Health, hygiene and safety Perform Basic Communication skills	Assessment Date (DD/MM/YY): Assessment Time: 3 Hours		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <p>Assessment Task 1: Candidate is required to draw following orthographic views of components assign by assessor.</p> <ul style="list-style-type: none"> • First angle projection • Third angle projection • Missing view • Section view <p>Assessment Task 2: Candidate is required to draw assembly drawings of components with Dimensioning and symbols assign by assessor.</p> <p>And complete:</p> <ul style="list-style-type: none"> • Knowledge assessment test (Written or Oral) • Portfolios at the time of assessment (if any)
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p>Assessment Task 1</p> <p>Performance Criteria 1: Draw different shapes through lines including:</p> <ul style="list-style-type: none"> • Circle • Triangle • Square • Rectangle • Curves <p>Performance Criteria 2: Create a design using different shapes</p> <p>Performance Criteria 3: Draw first angle projection</p> <p>Performance Criteria 4: Draw third angle projection</p> <p>Performance Criteria 5: Draw missing views</p> <p>Performance Criteria 6: Draw different section views</p> <p>Performance Criteria 7: Interpret work processes and procedures correctly to identify risk to Health, hygiene and safety at workplace</p> <p>Performance Criteria 8: Recognize processes, tools, equipment and consumable materials that have the potential to cause harm</p> <p>Performance Criteria 9: Treat team members with respect and maintain positive relationships to achieve common organizational goals</p> <p>Performance Criteria 10: Listen to instructions carefully & comply with those instructions</p>

	<p>Assessment Task 2</p> <p>Performance Criteria 4: Draw different types of lettering</p> <p>Performance Criteria 5: Draw different types of lines</p> <p>Performance Criteria 6: Draw different types of dimensions</p> <p>Performance Criteria 7: Draw different drawing symbols</p> <p>Performance Criteria 8: Draw different types of screw threads</p> <p>Performance Criteria 9: Draw detailed drawings of different parts</p> <p>Performance Criteria 10: Draw geometrical tolerance</p> <p>Performance Criteria 11: Draw multi view of nut and bolt</p> <p>Performance Criteria 12: Draw assembly drawings</p> <p>Performance Criteria 13: Maintain cleanliness and hygiene as per organizational policy</p> <p>Performance Criteria 14: Comply with Health, hygiene and safety precautions before starting work</p> <p>Performance Criteria 15: Follow organizational health, hygiene and safety guidelines during work</p> <p>Performance Criteria 16: Carefully listen and note down the instructions of Supervisor</p> <p>Performance Criteria 17: Carry out the instructions of the supervisor</p>
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Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number: Candidate Signature:.....
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: Assessor's code: Signature of the Assessor:.....

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment	✓	✓					
Other Requirement							

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1		
		Candidate is required to draw following orthographic views assign by assessor. <ul style="list-style-type: none"> • First angle projection • Third angle projection • Missing view • Section view 		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Setup user interface settings for required drawing.			
2.	Create different 2D shapes with given measurements.			
3.	Edit different 2D shapes to meet requirement.			
4.	Insert dimensions and symbols as per requirement			
5.	Save the file in different drawing formats			
6.	Develop 2D Drawing with given project specification and measurements.			
7.	Interpret work processes and procedures correctly to identify risk to Health, hygiene and safety at workplace			
8.	Recognize processes, tools, equipment and consumable materials that have the potential to cause harm			
9.	Treat team members with respect and maintain positive relationships to achieve common organizational goals			
10.	Listen to instructions carefully & comply with those instructions			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Each Assessment Task (with performance criteria)				
Assessment Task 2		Description of assessment task 2 Candidate is required to draw assembly drawings of a components with Dimensioning and symbols assign by assessor. Assembly drawings includes:		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Draw development drawing with radial line method			
2.	Draw development drawing with parallel line method			
3.	Draw different types of screw threads			
4.	Draw detailed drawings of different parts			
5.	Draw geometrical tolerance			
6.	Draw multi view of nut and bolt			
7.	Draw assembly drawings			
8.	Maintain cleanliness and hygiene as per organizational policy			
9.	Comply with Health, hygiene and safety precautions before starting work			
10.	Follow organizational Health, hygiene and safety guidelines during work			
11.	Carefully listen and note down the instructions of Supervisor			
12.	Carry out the instructions of the supervisor			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		