

061006T4ICT

ICT TECHNICIAN LEVEL 6

ICT/OS/IT/CR/12/6/A

ICT/OS/IT/CR/12/6/B

Perform System Analysis and Design

July/August 2025



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

OBSERVA

ECKLIST

INSTRUCTIONS TO ASSESSOR

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to mark the practical as the candidate perform the tasks
3. You are required to take video clips at critical points
4. Ensure the candidate has a name tag and registration code at the back and front

OBSERVATION CHECKLIST

Candidate's name & Registration Code	
Assessor's name & Registration. code	
Venue of Assessment	
Date of assessment	

Items to be Evaluated: kindly Award marks as appropriate. Give a brief comment on your observation.	Marks allocated	Marks obtained	Comments
TASK 1 : Data Flow Diagram			
1. Created a folder SAD PRACTICAL 2025 on the desktop. (Award 2 marks or zero)	2		
2. Identified three entities (Award 1 mark for each entity or 0)	3		
3. Identified three processes (Award 1 mark for each entity or 0)	3		
4. Identified Correct data store (Award 2 marks for the correct data store or zero)	2		
5. Identified correctly at least four data flow (Award 1 mark for each data flow or zero)	4		
6. Data flows well labeled. (Award 2 marks or zero)	2		
7. Drawn a dataflow correctly (Award 6 marks for correct dataflow diagram or zero)	6		
8. Saved the document as LOAN in the SAD PRACTICAL2025 folder. (Award 2 marks or zero)	2		
9. Printed the saved document. (Award 1 marks or zero)	1		
Sub Total 1	25		
TASK 2: Entity Relationship Diagram			

1. Identified at least three entities (Award 1 mark for each entity)	3		
2. Identified at least two relationships set (Award 1 mark for each relationship set)	2		
3. Identified at least two relationships between entities (Award 1 mark for each relationship set)	4		
4. Identified at least two attributes for each entity (Award 2x3 marks for correct attribute or zero)	6		
5. Identified the unique attribute (primary Key) in each entity. (Award 1 mark for each unique attribute o	3		
6. Drawn the ERD correctly (Award 4 mark for correct drawing or 0)	4		
7. Saved the document as TRANSPORT in the SAD PRACTICAL2025 folder (Award 2 marks or 0)	2		
8. Printed the saved document. (Award 1 mark or 0)	1		
Sub Total 2	25		
TASK 3: Structured English Tool			
1. Determined if the claimant has ever sent a claim before. (Award 2 marks or 0)	2		
2. Updated the claims for the year (Award 2 marks or 0)	2		

3. Checked policy(either A or B) (Award 2 marks or 0)	2		
4. Determined the correct percentages of the policy (Award 2 marks or 0)	2		
5. Applied for the claim to the deductible (Award 3 marks or 0)	3		
6. Updated totals (Award 4 marks or 0)	4		
7. Determined policy (Award 2 marks or 0) 5 marks	2		
8. Checked all deductions (Award 5 marks or 0)	5		
9. Determined claim payment (Award 3 marks or 0)	3		
10. Printed summary (Award 2 marks or 0)	2		
11. Saved the document as CLAIM in the SAD PRACTICAL2025 folder (Award 2 marks or 0)	2		
12. Printed the saved document. (Award 1 mark or 0)	1		
Sub Total 3	30		
TASK 4: Decision Tree			
1. Drawn the First decision node (Award 3 marks or 0)	3		
2. Drawn the decision not to drill with 0% profit (Award 5 marks or 0)	5		
3. Drawn the decision to drill at a cost of 10,000 (Award 5 marks or 0)	5		

4. Drawn alternative 1, oil is found with 10% chance and profit of 190,000 (Award 5 marks or 0)	5		
5. Drawn alternative 2, oil not found with 90% chance and profit of 10,000 (Award 5 marks or 0)	5		
6. Drew the decision tree using the correct structure (Award 4 marks or 0)	4		
7. Saved the document as TREE in the SAD PRACTICAL2025 folder (Award 2 marks or 0)	2		
8. Printed the saved document. (Award 1 mark or 0)	1		
Sub Total 4	30		
GRAND - TOTAL	10		
ASSESMENT OUTCOMES			
The candidate was found to be: Competent ☐ Not Yet Competent ☐ (Please tick as appropriate) (The candidate is competent if s/he gets 50% or higher)			
Feedback from candidate:			
Feedback to candidate:			

Candidate's signature: _____	Date: _____
Assessor's signature: _____	Date: _____