

**061006T4ICT**

**ICT TECHNICIAN LEVEL 6**

**IT/OS/ICT/CR/7/6**

**MANAGE DATABASE SYSTEMS**

**JULY/ AUGUST 2023**



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

**OBSERVATION CHECKLIST**

**TIME: 3 HOURS**

**INSTRUCTIONS TO THE ASSESSOR**

1. In this practical assessment, the candidate is required to perform the following task  
**TASK 1:** Design a database using MS access (10 Marks)  
**TASK 2:** Perform SQL commands using the Students table created in Task 1 (15 Marks)  
**TASK 3:** Perform the following activities in student database. (25 Marks)
2. You are required to mark the practical as the candidate performs the tasks.
3. You are required to take video clips at critical points.
4. Ensure the candidate has an identification tag pinned at the back and front near the shoulders showing Candidate's name and registration code.

## OBSERVATION CHECKLIST

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                              |                       |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|-----------------|
| <b>Candidate's Name</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                       |                 |
| <b>Candidate's Registration Code</b>                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                       |                 |
| <b>Assessor's Name</b>                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                 |
| <b>Assessor's Registration Code</b>                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                       |                 |
| <b>Unit(s) of competency</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |                       |                 |
| <b>Venue of Assessment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                       |                 |
| <b>Date of assessment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                       |                 |
| <b>Items to be evaluated:</b> <i>Please award marks as appropriate. Give a brief comment on your observation.</i>                                                                                                                                                                                                                                                                                                                                                 | <b>Marks available</b>       | <b>Marks obtained</b> | <b>Comments</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                              |                       |                 |
| <b>Task 1:</b> Designed a database using MS access                                                                                                                                                                                                                                                                                                                                                                                                                |                              |                       |                 |
| <ul style="list-style-type: none"> <li>Included the following fields; first name, last name, phone number, D.O.B, course, county of birth, gender, department, enrolment date, entry grade, next of kin, number of units required for enrolment.</li> <li>Selected the right data types were.</li> <li>Inserted at least 20 names of students from your institution</li> <li>saved the database as Student table</li> </ul> <i>(award marks as indicated =10)</i> | 3<br><br><br>3<br>3<br><br>1 |                       |                 |
| <b>Sub total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>10</b>                    |                       |                 |
| <b>Task 2:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                       |                 |
| Performed SQL commands using the Students table created in Task 1 <ul style="list-style-type: none"> <li>Displayed all the male students</li> <li>Changed the phone number studentID 14 to 0112378999</li> </ul>                                                                                                                                                                                                                                                  | 5<br><br>5<br><br>5          |                       |                 |