

061906T4TEL

TELECOMMUNICATION ENGINEERING LEVEL 6

ENG/OS/TLE/CR/17/6/A

Install WI-FI Network

Nov/Dec 2024



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

**PRACTICAL ASSESSMENT**

**OBSERVATION CHECKLIST**

<b>Candidate's Name &amp; Registration Code</b>			
<b>Assessor Name &amp; Registration Code</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 allocated</b>	<b>Marks obtained</b>	<b>Comments</b>
1. Wore Personal Protective Equipment <ul style="list-style-type: none"> <li>• Dustcoat/Overall (<i>Award 1 or 0</i>)</li> <li>• Safety boots (<i>Award 1 or 0</i>)</li> </ul>	1  1		
2. Applied housekeeping practice <ul style="list-style-type: none"> <li>• Arrangement working area (<i>Award 1 or 0</i>)</li> </ul>	1		

<ul style="list-style-type: none"> <li>• Disposed Waste (<i>Award 1 or 0</i>)</li> </ul>	1		
3. Used tools and equipment as expected <ul style="list-style-type: none"> <li>• Ethernet cable stripper (<i>Award 1 or 0</i>)</li> <li>• Crimping tool (<i>Award 1 or 0</i>)</li> <li>• Cable tester (<i>Award 1 or 0</i>)</li> </ul>	1 1 1		
4. Observed safety when handling tools ( <i>Award 1 or 0</i> )	1		
<b>Sub total</b>	<b>8</b>		
<b>PRODUCT/SERVICE CHECKLIST</b>			
<b>TASK 1</b>			
5. Connected PC to an Ethernet port on the wireless router. <ul style="list-style-type: none"> <li>• Configured PC/laptop ip address(<i>Award 3 or 0</i>)</li> <li>• Prepared Ethernet cable (<i>Award 3 or 0</i>)</li> <li>• Tested the Ethernet cable (<i>Award 3 or 0</i>)</li> <li>• Logged in to router via default IP address and default admin credentials (<i>Award 3x1 or 0</i>)</li> <li>• Changed router admin password (<i>Award 2 or 0</i>)</li> </ul>	3 3 3 3 2		
<b>Sub-total</b>	<b>14</b>		
<b>TASK 2</b>			
6. Wireless router configuration <ul style="list-style-type: none"> <li>• configured the DHCP server pool</li> </ul>	2		

<p>pool address 192.168.1.100-192.168.1.200 (Award 2 or 0)</p> <ul style="list-style-type: none"> <li>• Configured SSID as <b>CDACC-Net</b> (Award 2 or 0)</li> <li>• Configured the wireless security by setting the authentication type to use the <b>WPA2 Personal</b> (Award 2 or 0)</li> <li>• Configured the wifi password from the default password to <b>Cdacc@2024</b> (Award 2 or 0)</li> </ul>	2		
<p>7. Configured the PC's wireless NIC to connect to the wireless router.</p> <ul style="list-style-type: none"> <li>• Opened network connection settings on PC (Award 2 or 0)</li> <li>• Connected to <b>CDACC-Net</b> SSID (Award 2 or 0)</li> <li>• Entered the password <b>Cdacc@2024</b> (Award 2 or 0)</li> </ul>	2		
<p>8. Configured Access Control List to block IP address of PC A</p> <ul style="list-style-type: none"> <li>▪ Enabled Access control on the router interface(Award 2 or 0)</li> <li>▪ Selected Deny list and enabled(Award 2 or 0)</li> <li>▪ Selected the Mac address or PC name(Award 2 or 0)</li> </ul>	2		

<ul style="list-style-type: none"> <li>▪ Saved the configuration (<i>Award 2 or 0</i>)</li> </ul>	2		
<b>Sub - Total</b>	<b>22</b>		
<b>TASK 3</b>			
9. Tested to ascertain that the PC Client was connected to the <b>CDACC-Net</b> Wi-Fi network (ping test was successful) ( <i>Award 5 or 0</i> )	5		
10. Tested to ascertain that the PC Client was successfully added to Access Control List (ping test not successful) ( <i>Award 5 or 0</i> )	5		
<b>Sub - Total</b>	<b>10</b>		
<b>GRAND TOTAL</b>	<b>54</b>		
<b>Percentage = <math>\frac{X}{54} \times 100</math></b>			
<b>ASSESMENT OUTCOMES</b>			
The candidate was found to be: (Please tick (√) as appropriate)			
Competent	Not yet competent		



*(The candidate is competent if s/he gets 50% of the marks)*

**Feedback from candidate:**

**Feedback to candidate:**

Candidate's signature:

Date:

Assessor's signature:

Date:

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