



MINISTRY OF EDUCATION

State Department of Vocational & Technical Training

**DAVID MBITI WAMBULI TECHNICAL AND VOCATIONAL COLLEGE**

**LEARNING PLAN**

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| **Unit of Competence:** INSTALL COMPUTER SOFTWARE | **Unit Code:** **IT/OS/ICT/CR/2/5** |
| **Name of Trainer: Guyo Abdifatah Bonaya** |  |
|  | **Level: 5** |
| **Date of Preparation:** 6th may 2024 | **Date of Revision:** |
| **Number of Trainees:** 3 | **Class: ICTL5 2309** |
| **Skill or Job Task:**  This unit covers the competencies required to perform computer software installation work.  Installation activities includes identification of the software to be installed, actual installation of the software, software functionality test and user training. | |
| **Benchmark or Criteria to be used**   1. **Software Configuration Management**     1. Software configuration management components are identified.    2. Importance and reasons for software configuration management are identified | |

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| **Week** | **Session No.** | **Session Title** | **Learning Outcome** | **Trainer**  **Activities** | **Trainee**  **Activities** | **Resources & Refs** | **Learning Checks/ Assessments** | **Reflections & Date** |
| 2  3  4 | 1 & 2  1&2  1&2 | Introduction to software configuration management  Software configuration management  Software configuration management  Cont... | *By the End of the session the Trainee should be able to:*   1. *Explain terms used in software configuration management* 2. *Identify software configuration components*   *By the End of the session the Trainee should be able to:*   1. *Explain the reasons for software configuration.* 2. *Describe importance of software configuration management.*   *By the End of the session the Trainee should be able to:*   1. *Identify SCM participants* 2. *Describe importance of each participant in SCM process* | *Trainer to:*  *1. Pose questions on the definition of terms used in software configuration*  2. Show a chart explaining different software configuration components.  *Trainer to:*  *1. Pose questions on reasons why software configuration is done.*  2. Plays a video that explains the importance of software configuration management.    *Trainer to:*  *1. Poses questions on who the SCM participants.*  2. shows a picture showing how SCM participants participates in SCM process. | *Trainee to:*  *-Give response to the question posed*  -Watch the chart  -Point out the several components available as per the chart.  **Assignment**  - In groups analyze ways of each component identified.  -Present their findings  *Trainee to:*  *-Give response to the question posed*  -Watch the video clip  -Point out all importance as per the video clip.  **Assignment**  - In groups identify one component of software configuration and explain the reason and its importance.  *Trainee to:*  *-Give response to the questions posed*  -Watch the picture  -Point out all the process and participants in SCM process.  **Assignment**  - In groups identify one participant and give an importance of the participant in SCM process. | |  | | --- | | 1. Occupational Standard/Curriculum  2.Learning guides  Etc.  **Training Aids:**  chart , computer |   1. Occupational Standard/Curriculum  2.Learning guides  Etc.  **Training Aids:**  video, computer  1. Occupational Standard/Curriculum  2.Learning guides  Etc.  **Training Aids:**  picture, computer | **Knowledge**  1. oral questioning  2. written  3. presentation  **Skills**  1. observation  **Attitudes**  1. observation  2. third party reports  3. external assessors  **Knowledge**  1. oral questioning  2. written  3. presentation  **Skills**  1. observation  **Attitudes**  1. observation  2. third party reports  3. external assessors  **Knowledge**  1. oral questioning  2. written  3. presentation  **Skills**  1. observation  **Attitudes**  1. observation  2. third party reports  3. external assessors |  |

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| **Unit of Competence:** INSTALL COMPUTER SOFTWARE | **Unit Code:** IT/OS/ICT/CR/4/6 |
| **Name of Trainer: Guyo Abdifatah Bonaya** |  |
|  | **Level: 5** |
| **Date of Preparation:** 5th January 2024 | **Date of Revision:** |
| **Number of Trainees:** 2 | **Class:** |
| **Skill or Job Task:**  This unit covers the competencies required to perform computer software installation work.  Installation activities includes identification of the software to be installed, actual installation of the software, software functionality test and user training. | |
| **Benchmark or Criteria to be used**   1. **Test software functionality**    1. Software Techniques are identified    2. Software test is performed    3. Software functionality is determined according to the test performed    4. Test report is generated | |
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| 5  6  7 | 1&2  1&2  1&2 | Software functionality  Continuous Assessment Test  Software testing | *By the End of the session the Trainee should be able to:*   1. *Explain the meaning* of terms used in software functionality 2. *Describe techniques of software testing*   *By the End of the session the Trainee should be able to:*   1. *Identify the types of testing* 2. *Differentiate the types of software testing* | *Trainer to:*  *1. Pose questions on the meaning of* terms used in software functionality  2. Show a video showing various techniques used in software testing.  *Trainer to:*  *1. Pose questions on the types of software testing.*  2. Show a chart showing different types of software testing. | *Trainee to:*  *-Give response to the question posed*  -Watch the video.  -analyze different techniques of software testing as per the video.  **Assignment**  - In groups select one technique and discuss its advantages and disadvantages  -Present their findings  *Trainee to:*  *-Give response to the question posed*  -watch the chart.  -Write-down all types of software testing shown  **Assignment**  *-in groups choose one software testing and discuss its advantage.*  *- present their finidings.* | 1. Occupational Standard/Curriculum  2.Learning guides  Etc.  **Training Aids:**  video, computer  1. Occupational Standard/Curriculum  2.Learning guides  Etc.  **Training Aids:**  chart, computer | **Knowledge**  1. oral questioning  2. written  3. presentation  **Skills**  1. observation  **Attitudes**  1. observation  2. third party reports  3. external assessors  **Knowledge**  1. oral questioning  2. written  3. presentation  **Skills**  1. observation  **Attitudes**  1. observation  2. third party reports  3. external assessors |

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| 8  9 | 1&2  1&2 | Software testing continues  Test report | *By the End of the session the Trainee should be able to:*   1. *Explain the importance of testing software.* 2. *Demonstrate software testing*   *By the End of the session the Trainee should be able to:*   1. *Explain the importance of test report* 2. *Describe how test report is done* | *Trainer to:*  *1. Pose questions on importance of testing software*  2. Demonstrate how to test a software  *Trainer to:*  *1. Pose questions on importance of test report*  2. Show a video explaining how test report is done | *Trainee to:*  *-Give response to the question posed*  -Follow as trainer demonstrates.  - test software as demonstrated by the trainer.  **Assignment**  *-Do more software testing*  *Trainee to:*  *-Give response to the question posed*  -watch the video.  - write down all steps to follow in writing a test report as per the video shown.  **Assignment**  *-in groups discuss on elements of test report..*  *- Present findings.* | 1. Occupational Standard/Curriculum  2.Learning guides  Etc.  **Training Aids:**  Smart board, computer  1. Occupational Standard/Curriculum  2.Learning guides  Etc.  **Training Aids:**  video, computer | **Knowledge**  1. oral questioning  2. written  3. presentation  **Skills**  1. observation  **Attitudes**  1. observation  2. third party reports  3. external assessors  **Knowledge**  1. oral questioning  2. written  3. presentation  **Skills**  1. observation  **Attitudes**  1. observation  2. third party reports  3. external assessors |
| 10 | 1&2 | Test report | By the end of the session trainee **should** be able to:   1. Explain the process of writing a test report 2. Demonstrate test report writing | Trainer:   * Poses questions on terms applied in computer installation. * plays video clips showing how test report is done step by step. | Trainee(s):   * give responses to questions posed * watch the video clip * Identify the steps taken in writing test report. * Install application software.   **Assignment**  Write a test report | 1. Occupational Standard/Curriculum  2.Learning guides  Etc.  **Training Aids:**  Video clip.  Mobile phone. | **Knowledge**  oral questioning  **Skills**  1. observation  2. project  **Attitudes**  1. observation  2. third party reports  3. external assessors | |
| 11 | Revision week | | | | | | | |
| 12 | End of Term exams | | | | | | | |

HOD SIGNATURE