VCE Applied Computing: Performance Descriptors

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| **DATA ANALYTICS UNIT 3 OUTCOME 1**  **SCHOOL-ASSESSED COURSEWORK** | | | | | |
| **Performance Descriptors** | | | | | |
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| ***Unit 3***  ***Outcome 1***  ***Respond to teacher-provided solution requirements and designs to extract data from large repositories, manipulate and cleanse data and apply a range of functions to develop software solutions to present findings.*** | **DESCRIPTOR: typical performance in each range** | | | | |
| **Very low** | **Low** | **Medium** | **High** | **Very high** |
| Limited interpretation of solution requirements and designs to develop the database, spreadsheet and data visualisation solutions. | Some interpretation of solution requirements and designs to develop the database, spreadsheet and data visualisation solutions. | Sound interpretation of solution requirements and designs to develop the database, spreadsheet and data visualisation solutions. | Most solution requirements and designs are interpreted accurately in developing the database, spreadsheet and data visualisation solutions. | All solution requirements and designs are interpreted accurately in developing the database, spreadsheet and data visualisation solutions. |
| Limited data is identified and selected from data repositories. | Some relevant data is identified, selected and extracted from data repositories with some referencing to acknowledge intellectual property. | A range of relevant data is identified, selected and extracted from appropriate data repositories and referenced to acknowledge intellectual property. | Most relevant data is identified, selected and extracted from appropriate data repositories and referenced to acknowledge intellectual property. | All relevant data is identified, selected and extracted from appropriate data repositories and referenced to acknowledge intellectual property. |
| Limited features of the database software tool have been used to store and manipulate data. | Some features of the database software tool have been used to store and manipulate data. | A range of features of the database software tool have been used to store and manipulate data. There has been some validation of data. | Most features of the database software tool have been used to store, manipulate and validate data. | Comprehensive use of features of the database software tool used to store, manipulate and validate data. |
| Limited features of the spreadsheet software tool have been used to manipulate data. | Some features of the spreadsheet software tool have been used to manipulate data. | A range of features of the spreadsheet software tool have been used to manipulate data. There has been some validation of data. | Most features of the spreadsheet software tool have been used to manipulate and validate data. | Comprehensive use of features of the spreadsheet software tool have been used to manipulate and validate data. |
| Limited functions, formats and conventions have been used to create data visualisations. | Some functions, formats and conventions have been used to create data visualisations. | A range of functions, formats and conventions have been used to create data visualisations. | Most functions, formats and conventions have been used to create effective data visualisations. | Comprehensive use of functions, formats and conventions to create effective data visualisations. |

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|  | Limited justification and explanation of how the selected functions, formats and conventions are used to create data visualisations. | Some justification and explanation of how the selected functions, formats and conventions are used to create data visualisations. | Sound justification and explanation of how the selected functions, formats and conventions are used to create effective data visualisations. | Detailed justification and explanation of how the selected functions, formats and conventions are used to create effective data visualisations. | Comprehensive justification and explanation of how the selected functions, formats and conventions are used to create effective data visualisations. |
| Limited range of test data is expressed in a testing table, with incomplete or missing results. | Some test data is expressed in a testing table with actual output stated. | A range of test data is expressed in testing tables, with both expected and actual output stated. | Detailed range of test data is expressed in testing tables, with both expected and actual output stated. | Comprehensive range of test data is expressed in testing tables, with both expected and actual output stated. |

KEY to marking scale based on the Outcome contributing 100 marks

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| Very Low 1–20 | Low 21–40 | Medium 41–60 | High 61–80 | Very High 81–100 |