# **Assessment Cover Sheet**

### (Print all details and attach to front of assessment task/assignment before submitting)

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| --- | --- |
| Name | ­­­­­­­­ Test submission |
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| Course code & name | ­­­­­­­­ ICT50220 - Diploma of Information Technology |
| Unit code & name | ­­­­­­­­ ICTICT517 - Match ICT needs with the strategic direction of the organisation |
| Name of assessment | ­­­­­­­­ Assessment 1 - Research cloud computing |
| Due Date | … / … / 2022 |
| Teacher name |  |
| Instructions |  |
| Comments | ­­­­­­­­ |

Declaration: Read, tick and sign below

* I declare that the attached assessment I have submitted is my own original work and any contributions from and references to other authors are clearly acknowledged and noted.
* This document has been created for the purpose of this assessment only and has not been submitted as another form of assessment at Melbourne Polytechnic or any other tertiary institute.
* I have retained a copy of this work for my reference in the event that this application is lost or damaged.
* I give permission for Melbourne Polytechnic to keep, make copies of and communicate my work for the purpose of investigating plagiarism and/or review by internal and external assessors.
* I understand that plagiarism is the act of using another person’s idea or work and presenting it as my own. This is a serious offence and I will accept that penalties will be imposed on me should I breach Melbourne Polytechnic’s plagiarism policy.

Student signature wangyizhuo………………………………… Date …2024 / .3.. / …14..

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| --- |
| Please note that your assignment will not be accepted unless you have:   * completed all sections of the assignment * acknowledged all sources of other people’s contributions including references and students’ names for group work assessments * filled in all areas of this student assignment cover sheet. |

Assessment Task 1: Cloud computing

|  |  |
| --- | --- |
| Course code and name | **ICT50220 - Diploma of Information Technology** |
| Unit code and name | **ICTICT517 Match ICT needs with the strategic direction of the organisation** |
| Due date | … / … / 2022 (Students have 2 weeks to complete this task) |
| Resources required | * Learner resources in Moodle * Access to computer and Internet * The computer used when working on tasks must have MS Word and Excel installed |
| Learner  instructions | * This assessment is a practical project * You have two weeks to complete this task. * It is to be completed in classroom delivery of this unit. If you are unable to do this, you will be required to complete the task in your own time within the allocated completion period. * Reasonable adjustments can be made if special circumstances apply, provided the integrity of the assessment is maintained and the intent is not compromised. E.g., extension of time, oral questions, and answers etc. * You must complete the coversheets and sign the student declaration. * You must answer all questions. * You must complete the answers electronically and submit the completed assessment document electronically in Moodle by the due date.   If you have any questions about the task or concerns about your ability to complete the task, please discuss this with your Assessor. |

## Task Overview

For each of the five tasks conduct research on the Internet and then answer the questions.

Additional instructions:

* For each of the questions present your research results in a structured and logical manner using your own words.
* You ***must*** list the sources you used in your research.
* References must clearly link to the research content presented. The reference source or a reference number (e.g., to an endnote) must directly follow the description being referenced.
* Direct quotes ***must*** be clearly marked, and the sources listed. Direct quotes cannot exceed 50% of an answer.
* Present your responses in the designated answer areas.

## Tasks and questions

#### Reasons for the uptake of cloud computing

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Explain what are the reasons for the increasing adoption of cloud computing?  Type your response in the answer section below and limit your explanation to between 100 – 200 words (excluding references). | | |
| ANSWER | | | SATISFACTORY | UNSATISFACTORY |
|  | | |  |  |
| ***Cloud computing allows businesses to scale resources based on demand, thereby increasing agility and responsiveness.*** | | | |

#### Examples how cloud services are used

|  |  |  |  |
| --- | --- | --- | --- |
| 2 | Describe and provide examples how cloud services are being utilised by:   1. A private individual 2. A business organisation 3. A cloud provider   Type your response in the answer section below and limit each of the three descriptions to between 25 – 50 words (excluding optional references). | | |
| ANSWER | | | SATISFACTORY | UNSATISFACTORY |
|  | | |  |  |
| 1. **Describe how a private individual can utilise cloud services**   ***Private use of cloud services for personal data storage*** | | | |
| 1. **Describe how a business organisation can utilise cloud services**   ***Businesses use cloud services to host websites on the platform or manage customer relationships.*** | | | |
| 1. **Describe how a cloud provider can utilise cloud services**   ***Cloud providers provide infrastructure services, platform services, and software services to customers.*** | | | |

#### Drawbacks of cloud computing

|  |  |  |  |
| --- | --- | --- | --- |
| 3 | Explain what drawbacks - if any – you can find with Cloud Computing.  Type your response in the answer section below and limit your explanation to between 100 – 200 words (excluding references). | | |
| ANSWER | | SATISFACTORY | UNSATISFACTORY | |
|  | |  |  | |
| ***1. Users may be concerned about data privacy when storing data on third-party servers.***  ***2. While cheaper at first, the price may increase in the long run, especially if usage exceeds the price.*** | | | | |

#### Benefits of a hybrid cloud

|  |  |  |  |
| --- | --- | --- | --- |
| 4 | What are the benefits of implementing a hybrid cloud solution?  Type your response in the answer section below and limit your explanation to between 100 – 200 words (excluding references). | | |
| ANSWER | | SATISFACTORY | UNSATISFACTORY | |
|  | |  |  | |
| 1. ***It allows organizations to leverage the public cloud for non-sensitive data, keeping critical data in the private cloud.*** 2. ***Organizations can optimize costs by leveraging public cloud resources while maintaining fixed costs in the private cloud.*** | | | | |

#### Difference between multi-cloud and hybrid cloud

|  |  |  |  |
| --- | --- | --- | --- |
| 5 | Explain the difference between multi-cloud and hybrid cloud solutions.  Type your response in the answer section below and limit your explanation to between 100 – 200 words (excluding references). | | |
| ANSWER | | SATISFACTORY | UNSATISFACTORY | |
|  | |  |  | |
| ***Hybrid cloud solutions combine public and private cloud environments.***  ***Multi-cloud is the use of multiple cloud service providers to provide flexible working.*** | | | | |

## Student Declaration (hard copy submission only)

|  |  |  |  |
| --- | --- | --- | --- |
| Please read, tick and sign below | | | |
| * I declare that the attached assessment I have submitted is my own original work and any contributions from and references to other authors are clearly acknowledged and noted. * This document has been created for the purpose of this assessment only and has not been submitted as another form of assessment at Melbourne Polytechnic or any other tertiary institute. * I have retained a copy of this work for my reference in the event that this application is lost or damaged. * I give permission for Melbourne Polytechnic to keep, make copies of and communicate my work for the purpose of investigating plagiarism and/or review by internal and external assessors. * I understand that plagiarism is the act of using another person’s idea or work and presenting it as my own. This is a serious offence, and I will accept that penalties will be imposed on me should I breach Melbourne Polytechnic’s plagiarism policy. | | | |
| Student Signature | wangyizhuo | Date | 2024-3-14 |
| Please note that your assignment will not be accepted unless you have:   * Completed all sections of the assignment * Acknowledged all sources of other people’s contributions including references and Students’ names for group work assessments * Completed all areas of this Student assignment cover sheet. | | | |