# **Assessment Cover Sheet**

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

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| Name | ­­­­­­­­ |
| Student ID | ­­­­­­­­ |
| Phone number | ­­­­­­­­ |
| Email | ­­­­­­­­ |
| 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 5 - Document the effects of change |
| 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 …………………………………………………… Date …… / .….. / …...

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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 5: Document the effects of change

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| 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 has to 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 have to 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

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| **Note:** | Activities in this task are a continuation of activities in the previous assessment task and are based on the scenario presented in assessment 2.  To complete this task, you have to first successfully complete assessment task 4. |

## Tasks and questions

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| Based on the feedback you received form your superior, you are to apply necessary corrections to the information you presented as part of your initial investigation in assessment 4 (questions 1-3). You must address the feedback received and resolve all issues identified during your meeting with the superior. To finalise your investigation, you must provide the finalised and corrected answers to relevant questions . |

#### Cost Benefit Analysis of LMS server deployment options

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| Present the final results of the Cost Benefit Analysis (CBA) for the LMS server deployment options.   |  |  | | --- | --- | | ***Note:*** | ***Any changes and comments listed in your feedback form about the CBA form must be addressed in your updated response.*** |   You are to demonstrate that you have updated the CBA spreadsheet in accordance with the feedback you received from your superior. Note that you may present your original submission to this question from assessment 4 if no changes were required. |

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| 1 | | Present screenshots of the final version of your CBA financial data and the corresponding chart. The first screenshot must include cells and tables showing your name, student number, cost items and the aggregate cost table. The second screenshot must show the resulting chart.  Paste the two screenshots in the answer area below. | | |
| ANSWER | | SATISFACTORY | UNSATISFACTORY |
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#### Interpret CBA results

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| You are to present the finalised description of your conclusions from the results of your CBA chart.   |  |  | | --- | --- | | ***Note:*** | ***Any changes and comments listed in your feedback form about the conclusion to be drawn from your CBA results must be addressed in your updated responses.*** |   You are to demonstrate that you have updated your responses in accordance with the feedback you received from your superior. Note that you may present your original responses to this question from assessment 4 if no changes were required. |

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| 2 | Present the finalised description of what conclusions can be drawn from the results of your CBA comparison chart. Limit your answer to between 50 – 150 words in total (excluding references).  Type your response in the answer area below. | | |
| ANSWER | | SATISFACTORY | UNSATISFACTORY |
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| |  |  | | --- | --- | | **1.** | **Is the cost difference between the inhouse and the cloud server significant?** | |  | ***Despite the adoption of cloud solutions, the costs of on-premises and cloud servers appear to be similar. There is not much difference at the first site.*** | | **2.** | **What are the main costs contributions in each solution?** | |  | ***ongoing labor costs***  ***Hardware and software related costs***  ***license fee*** | | **3.** | **Which cost item in the list is hardest to estimate and therefore has the biggest uncertainy?** | |  | ***The intangible benefits of running a cloud server.***  ***Intangible benefits may include factors such as increased productivity, flexibility, scalability and agility gained through the use of cloud services.*** | | **4.** | **Provide arguments why you think one solution is more beneficial than the other.** | |  | * ***Cloud deployment:*** * ***The immediate benefits of deploying cloud technology are relatively small.*** * ***The long-term and strategic benefits (agility, scalability, minimal capex) far outweigh any other concerns.*** * ***Internal requirements:*** * ***While it gives YAT College complete control of the environment, it can't match the agility and long-term savings of cloud solutions.*** * ***The system is unavailable, the cost of breaking parts must be considered, and there may be no backup and data recovery options.*** | | **5.** | **Explain how the solution you chose in Q2.4 fits in with the strategic goals and objectives of YAT College (if it does not fit in, explain why it doesn’t).** | |  | * ***Cloud-based solutions - aligned with ICT objectives to support business growth by increasing reliability, agility and reducing the need for on-premises server infrastructure. It also meets the ICT goals of cloud deployment. These CT goals and objectives support strategic business goals and objectives.*** * ***On-premises deployment - This is contrary to ICT goals.*** * ***Example: The system is unavailable, hardware cost items must be considered, and backup and data recovery options may not be available.*** | | | | |

#### Evaluate the technical difficulties in implementing a cloud based LMS server in the current ICT environment

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| You are to present the finalised description of what difficulties you anticipate when incorporating a new cloud-based server into the existing IT environment at YAT.   |  |  | | --- | --- | | ***Note:*** | ***Any changes and comments listed in your feedback form about the conclusion to be drawn from your CBA results must be addressed in your updated responses.*** |   You are to demonstrate that you have updated the description in accordance with the feedback you received from your superior. Note that you may present your original responses to this question from assessment 4 if no changes were required. |

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| 3 | Present the finalised description of what difficulties you anticipate when integrating the new cloud-based LMS server into the existing IT environment at YAT. Address the areas listed as headings in the answer section below.  Limit your answer to between 150 – 400 words in total (excluding optional references).  Type your response in the corresponding sections of the answer area below. | | |
| ANSWER | | SATISFACTORY | UNSATISFACTORY |
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| |  |  | | --- | --- | | **1.** | **Describe the difficulties you anticipate with training of ICT staff for the new system.** | |  | * ***It’s important to train technical staff before they start using cloud technology. This helps them do their jobs well and efficiently.***   ***Difficulty: Ensuring employees receive training at the right time*** | | **2.** | **Describe what difficulties you anticipate when implementing required network changes.** | |  | * ***Before making any technical changes, we require a cloud subscription.*** * ***We will then design a network to ensure that the cloud network and our existing network can work together. Finally, before deploying the server, the network link to the cloud environment will be set up and tested.*** * ***Difficulty: Ensuring we have the cloud subscriptions and resources needed for network setup when we need them.*** | | **3.** | **Describe what difficulties you anticipate when installing the new server.** | |  | * ***We need to design the server and plan how it will work. Furthermore, the team needed to set up the network for the new server and ensure employees knew how to use the cloud service.*** * ***Additionally, the team needed to coordinate with the vendor to install and set up the LMS application and move existing data to the new server.***   ***Difficulty: Make sure everyone is involved (coordination)***  ***Example: Ensure the supplier can install the LMS application and configure it as necessary.*** | | **4.** | **Describe what security issues you may face when deploying the new LMS environment.** | |  | * ***We need to make sure the new LMS is as secure as YAT College wants it to be.*** * ***This means setting up security measures for accessing and managing your cloud environment.***   ***Difficulty: Ensuring that our current security procedures cover cloud environment access and management.*** | | **5.** | **Describe the difficulties you anticipated during the system migration and the cutover from the old to the new environment.** | |  | * ***Migrating to the cloud may take longer than we think, which could cause problems for colleges.*** * ***If we encounter unexpected technical problems, we may have to go back to the old system.***   ***Difficulty: Figure out how long it will take to move everything to the cloud, and what to do if things don't go as planned.*** | | | | |

## Student Declaration

(Hard copy submission only)

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| 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 | X | Date |  |
| 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. | | | |