



JOHN EDMONDSON HIGH SCHOOL

Assessment Notification

Faculty: Computing Course: IPT Year: 11

Assessment Task: Information Systems Research Task (Task 1)

Assessment Weighting: 25% Due: Term 1 Week 9 Date: 23/03/2023

Task Type: Hand in Task In Class Task Practical Task

Outcomes assessed (NESA)

P1.1 describes the nature of information processes and information technology
P1.2 classifies the functions and operations of information processes and information technology
P3.1 identifies social and ethical issues
P5.1 selects and ethically uses computer based and non-computer based resources and tools to process
P6.1 analyses and describes an identified need

Task Description/Overview

Detailed Assessment Task Description

Task Details:

Students are to research *Canvas* in the context of an information system. You will research the following questions but will not be able to refer to any notes in class when completing the assessment.

1. Describe the **purpose** of the Canvas system? **2 Marks**
 - Who is it for? Why is it an important source of information (need)?
2. Identify and describe the **information processes** involved in the development of the Canvas system? **8 Marks**
 - **Collecting**: how is data collected?
 - **Organising**: how is data organised?
 - **Analysing**: how is data analysed and why is it important to do this?
 - **Storage**: how is data stored?
 - **Processing**: how is data processed?
 - **Transmitting**: how is data transmitted?
 - **Displaying**: how is data displayed (various methods)?
3. List the **users** and **participants** involved in the development and/or use of the Canvas system? Separate them in your answer. **3 Marks**
4. List the appropriate **data and information** required for the development of the Canvas system. **3 Marks**

- | | |
|--|----------------|
| 5. List the methods of Information Technology required to produce the Canvas system? <ul style="list-style-type: none">• Hardware and software involved in the Canvas system? | 3 Marks |
| 6. Explain how the environment is affected or influenced by the development of the Canvas system? | 2 Marks |
| 7. Describe FOUR social and ethical issues that may be raised in the development of the Canvas system. | 4 Marks |
| 8. Compare the Canvas system to traditional non-computer based methods of storing and retrieving school work. | 4 Marks |
| 9. Explain how the Canvas system ensures data quality through accuracy, timeliness and accessibility. Provide an example for each. | 6 Marks |
| 10. Identify and explain reasons for the expansion of information systems in regard to advances in technology and suitability of information technology for repetitive tasks. | 5 Marks |

Total Marks: 40

You will complete this in class and be provided with an answer sheet containing these questions to complete in 35 minutes.

Assessment Criteria		
Grade	Description	Mark Range
Outstanding (O)	<p>Lists appropriate and accurate software AND hardware used in the system</p> <p>Appropriate and accurate description of how the environment is affected or influenced in regards to the Canvas system</p> <p>Describes in detail FOUR appropriate social and ethical issues of the Canvas system</p> <p>Accurately identifies and provides a highly detailed comparison of a relevant non-computer based method to the digitised use of the Canvas system</p> <p>Clear, highly detailed and concise explanation of how the Canvas system provides data quality. Integrates an outstanding level of reference to accuracy, timeliness and accessibility in response.</p> <p>Identifies and explains appropriate reasons in detail for the expansion of information systems in regard to advances in technology and suitability of information technology and suitability of information technology for repetitive tasks</p>	
High (H)	<p>Brief description of the purpose of the system covers some aspects of its use</p> <p>Detailed description of MOST of the information processes in regards to the Canvas system. Integrates technical terminology in response.</p> <p>Lists some appropriate and accurate users and participants of the system</p> <p>Lists some appropriate and accurate data and information required for the development or use of the system</p> <p>Lists some appropriate and accurate software AND hardware used in the system</p> <p>Description of how the environment is affected or influenced in a system</p> <p>Sound description of appropriate social and ethical issues of the Canvas system</p> <p>Accurately identifies a relevant non-computer based method and provides sound comparison to the digitised use of the Canvas system</p> <p>Detailed explanation of how the Canvas system provides data quality. Uses examples and integrates sound reference to accuracy, timeliness and accessibility in response.</p> <p>Identifies and explains some reasons for the expansion of information systems in regard to advances in technology and suitability of information technology and suitability of information technology for repetitive tasks</p>	
Sound (S)	<p>Sound description of SOME of the information processes in regards to the Canvas system. Integrates some technical terminology in response.</p> <p>Lists some users OR participants</p> <p>Lists some data and information</p> <p>Lists some software OR hardware used in the system</p> <p>Brief description of some appropriate social and ethical issue/s</p> <p>Identifies a non-computer based method and provides a brief comparison to digitised systems</p> <p>Sound explanation of how the Canvas system provides data quality.</p> <p>May use examples and integrates some references to accuracy, timeliness and accessibility in response.</p> <p>Identifies a reason for the expansion of information systems in regard to advances in technology OR suitability of information</p>	

	technology for suitability of information technology for repetitive tasks	
Basic (B)	<p>Basic description of the information processes with limited regards to the Canvas system.</p> <p>Provides information that is at a very basic level.</p> <p>Lists some data and information</p> <p>Addresses the information technology required for the system but addresses the concept only at a basic level.</p> <p>Identifies a non-computer based method AND/OR provides little to no comparison to the digitised systems.</p> <p>Basic explanation of how the Canvas system provides data quality.</p>	
Limited (L)	<p>Limited description of the information processes with limited regards to the Canvas system.</p> <p>Information irrelevant or does not attempt the question.</p> <p>No clear or very limited differentiation between data and information.</p> <p>Did not address the Information Technology involved.</p> <p>Information irrelevant or does not attempt the question.</p> <p>Limited explanation of how the Canvas system provides data quality.</p>	

Satisfactory completion of courses

A course has been satisfactorily completed, when the student has:

- Followed the course developed/endorsed by the NSW Educational Standards Authority (NESA)
- Applied himself/herself with diligence and sustained effort to the set tasks and experiences provided in the course.
- Achieved some or all of the course outcomes