Assessment Details and Submission Guidelines	
Course Name	Master of Information System
Unit Code	MIS5101
Unit Title	Information System and Networking
Trimester	May 2024
Assessment Author	Dr Sharly Joana Halder
Assessment Type	Individual Assessment
Assessment Title	Assessment 2
Unit Learning Outcomes:	ULO 1 ULO 2 ULO 3 ULO 5
Weighting	40% *(**10% Week 5** Initial Review submission + **20% Week 10** final report submission and **10% Week 10** Video presentation submission)*
Total Marks	65
Word Limit	**Week 5(Word limit 500-800)**
	Week 10(Word limit 1,500 – 2000)
Release Date	Week 2
Due Date	**Part A Week 5** **Part B Week 10**
Submission Guidelines	- All work must be submitted on Moodle by the due date (as above) along with a completed Assignment Cover Page. - Reference sources must be cited in the text of the Assessment Task and listed appropriately at the end in a Reference List using APA 7th edition for the School of Business.
Extension / Special Consideration	- If an extension of time to submit work is required, an Application for Special Consideration and supporting documentation must be submitted to academic services. - The Application for Special consideration must be submitted no later than three (3) working days after the due date of the specific piece of assessment or the examination for which you are seeking Special Consideration. In the case of serious illness, loss or bereavement, hardship or trauma students may be granted special consideration.
Academic Misconduct	Academic Misconduct is a serious offence. Depending on the seriousness of the case, penalties can vary from a written warning or zero marks to exclusion from the course or rescinding the degree. Students should make themselves familiar with the full policy and procedure.

Assignment Description

Information System can be defined as a set of interrelated components that collect, manipulate, store, and disseminate data and information and provide a feedback mechanism to meet the objective of an organization. From this definition we can infer that information system have four major functions namely input, processing, output, and feedback.

Information system existed before the computer system but has been revolutionized with the development of computer system. The components of computer-based information system can be grouped into five categories as follows:

- Hardware
- Software
- Data
- People
- Process

Assignment Task

You are required to research one of the following business sectors according to the last digit of your AHE ID to find how Information Technology has changed/ is changing/ will change the way business is conducted including the organization structure, role of people and group in the organization and answer the given questions.

Last Digit of your AHE ID	Business Sector
1	Finance
2	Marketing
3	Supply Chain
4	Management and Human Resources
5	Law (Corporate Law)
6	Education
7	Travel and Tourism
8	Manufacturing
9	Accounting
0	Healthcare

**[You need to select your business sector according to the last digit of your AHE ID. For example, if your AHE ID is 28222160, last digit is 0 and you need to select Healthcare]*

Part 1 **20 Marks**

1. Take any organization (real or imaginary) and show its organization structure. In the organization structure emphasize the divisions/units/people/jobs/functions related to information system.

2. Discuss how the organization structure has evolved/is evolving with introduction of computer-based information system and its continuous development. You need to provide an example in your discussion.
3. Mention one key business process and justify the changes in the organization structure in question 2.
4. Formatting and referencing.

Part 2 **45 Marks**

Report **25 Marks**

OrgAgri Australia, a leading manufacturer of agricultural machinery, has implemented IoT and cloud computing technologies to revolutionize farming practices. The integration of these advanced technologies has significantly changed how the organization and its customers conduct business. OrgAgri Australia equipped its machinery with IoT sensors that collect real-time data on soil conditions, crop health, and equipment performance and the data collected by IoT devices is transmitted to the cloud, where it is processed and analysed to provide actionable insights.

Now, farmers can make data-driven decisions to optimize planting, irrigation, and harvesting, resulting in increased crop yields and reduced resource usage. Real-time monitoring allows for predictive maintenance, minimizing downtime and extending the lifespan of machinery and automation of various farming processes has led to higher efficiency and productivity, reducing labour costs and improving profitability.

The success of OrgAgri Australia's IoT and cloud solutions has encouraged other farms to adopt similar technologies, promoting industry-wide advancements. The shift towards data-driven agriculture is likely to continue, with further innovations in IoT and AI expected to enhance farming practices. The efficient use of resources enabled by these technologies contributes to sustainable farming practices, addressing environmental concerns.

The implementation of IoT and cloud computing technologies by OrgAgri Australia has not only transformed its own operations but has also set a precedent for the entire agriculture sector.

1. Discuss the types of IoT devices did OrgAgri Australia integrate into their agricultural machinery?
2. Describe the improvements in efficiency and productivity that OrgAgri Australia experienced due to the implementation of IoT and cloud computing.
3. Illustrate the strategies can be implemented to protect against unauthorized access and cyberattacks on the cloud systems used by OrgAgri Australia.
4. Consider the ethical implications of data collection in farming. How should data privacy and security be managed in the context of IoT in agriculture?
5. Formatting and referencing.

Video Record **20 Marks**

1. Prepare a PPT presentation of 8-10 slides from your report.
2. Record and upload the video on Moodle.

Marking Guide

Sections	Detailed Description of the Assessment Criteria	Breakdown of Marks
Part 1		
	1. Take any organization (real or imaginary) and show its organization structure. In the organization structure emphasize the divisions/units/people/jobs/functions related to information system.	5
	2. Discuss how the organization structure has evolved/is evolving with introduction of computer-based information system and its continuous development. You need to provide an example in your discussion.	5
	3. Mention one key business process and justify the changes in the organization structure in question 2.	5
Report Formatting	Proper formatting	2
References	Must follow APA 7 referencing style	3
Part 2		
	1. Discuss the types of IoT devices did OrgAgri Australia integrate into their agricultural machinery?	5
	2. Describe the improvements in efficiency and productivity that OrgAgri Australia experienced due to the implementation of IoT and cloud computing.	5
	3. Illustrate the strategies can be implemented to protect against unauthorized access and cyberattacks on the cloud systems used by OrgAgri Australia.	5
	4. Consider the ethical implications of data collection in farming. How should data privacy and security be managed in the context of IoT in agriculture?	5
Report Formatting	Proper formatting	2
References	Must follow APA 7 referencing style	3
PPT Slides	8-10 slides from the report	5
Recorded Video	Student must show his/her face and introduce himself/herself and present the report.	15

Overall Marking Rubric

Marking Rubric Criteria/ Grades	High Distinction (HD) [Excellent] 80%-100%	Distinction (D) [Very Good] 70%-79%	Credits (C) [Good] 60%-69%	Pass (P) [Satisfactory] 50%-59%	Fail (N) [Unsatisfactory] <50%
Organization Structure /5	An excellent organization structure	A very good organization structure	A good organization structure	Satisfactory organization structure	Unsatisfactory organization structure
Evolution of Organization Structure /5	A very detailed and very clear discussion with example	Very clear explanation with example	Generally good explanation with example	Satisfactory and brief discussion with example	Poor discussion and/or irrelevant example.
Business Process and Justification of Changes /5	Excellent discussion and justification	Very good discussion and justification	Good discussion and justification	Satisfactory discussion and justification	Poor discussion and /or poor justification
Writing Style and Formatting /2	Excellent writing and Formatting	Very good writing and Formatting	good writing and Formatting	Generally good with some formatting and writing errors	Very poor writing style and formatting
References /3	Clear styles with an excellent source of references.	Clear referencing/style	Generally good referencing/style	Unclear referencing/style	Lacks consistency with many errors.
Types of IoT devices/5	Excellent discussion and justification	Very good discussion and justification	Good discussion and justification	Satisfactory discussion and justification	Poor discussion and /or poor justification
Efficiency and productivity /5	Excellent discussion and justification	Very good discussion and justification	Good discussion and justification	Satisfactory discussion and justification	Poor discussion and /or poor justification
Strategies/5	Excellent discussion and justification	Very good discussion and justification	Good discussion and justification	Satisfactory discussion and justification	Poor discussion and /or poor justification
Ethical implications/5	Excellent discussion and justification	Very good discussion and justification	Good discussion and justification	Satisfactory discussion and justification	Poor discussion and /or poor justification
Writing Style and Formatting /2	Excellent writing and Formatting	Very good writing and Formatting	good writing and Formatting	Generally good with some formatting and writing errors	Very poor writing style and formatting
References /3	Clear styles with an excellent source of references.	Clear referencing/style	Generally good referencing/style	Unclear referencing/style	Lacks consistency with many errors.
Presentation slides/5	Clearly covered all the areas discussed in the report	Covered all the areas well.	Generally good presentation	Missed few areas of the report	Poorly prepared
Video presentation/15	Student introduce himself/herself and excellent presentation.	Student introduce himself/herself and satisfactory presentation.	Student introduce himself/herself and a good presentation.	Student introduce himself/herself but not a satisfactory presentation.	Student didn't introduce himself/herself and not presented.