Assignment #1

Deadline: Tuesday 12/10/2021@ 23:59

**[Total Mark for this Assignment is 5]**

***Enterprise System***

***IT342***

**Instructions:**

* You must submit two separate copies **(one Word file and one PDF file)** using the Assignment Template on Blackboard via the allocated folder. These files **must not be in compressed format**.
* It is your responsibility to check and make sure that you have uploaded both the correct files.
* Zero mark will be given if you try to bypass the SafeAssign (e.g. misspell words, remove spaces between words, hide characters, use different character sets, convert text into image or languages other than English or any kind of manipulation).
* Email submission will not be accepted.
* You are advised to make your work clear and well-presented. This includes filling your information on the cover page.
* You must use this template, failing which will result in zero mark.
* You MUST show all your work, and text must not be converted into an image, unless specified otherwise by the question.
* Late submission will result in ZERO mark.
* The work should be your own, copying from students or other resources will result in ZERO mark.
* Use **Times New Roman** font for all your answers.

Student Details:

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# Question One

***1 Marks***

*Learning Outcome(s):*

*CLO1.1: Explain the interdisciplinary concepts, theories, and trends in ES and their role in supporting business operations.*

How can the use of Enterprise Resource Planning (ERP) systems enable cross-functional integration? Support you answer by providing an example.

 Answer:

# Question Two

***1.5 Marks***

*Learning Outcome(s):*

*CLO1.1: Explain the interdisciplinary concepts, theories, and trends in ES and their role in supporting business operations.*

Imagine a small coffee shop with a single counter. On average, 16 customers arrive at the store every hour and stay an average of 30 minutes in the store.

Calculate the average number of customers queuing in this coffee shop? Suppose that the average number of customers increased to 30 customers every hour, Describe the consequences, and give a solution.

Answer:

# Question Three

***1 Marks***

*Learning Outcome(s):*

CLO1.2: Describe the development life cycle of ES and reengineering best practices.

What is the purpose of system engineering? How to achieve performance improvement by using system engineering? What is the benefit of using modeling and simulation in system engineering?

Answer:

# Question Four

***1.5 Marks***

*Learning Outcome(s):*

*CLO3.1:* Develop robust business intelligence solutions that provide an integrated framework for improved business processes within a global context.

Why does an architect use an architecture framework? Create a matrix that shows the similarities and differences between ArchiMate Notation and Business Process Modeling Notation (BPMN). List **four** of them only.

Answer: