ASSIGNMENT 1 FRONT SHEET

Qualification	**BTEC Level 5 HND Diploma in Computing**		
Unit number and title	Unit 06: Managing a Successful Computing Project		
Submission date		**Date Received 1st submission**	
Re-submission Date		**Date Received 2nd submission**	
Student Name	Mai The Duc	**Student ID**	GCH200681
Class	GCH0907	**Assessor name**	Nguyen The Lam Tung
Student declaration I certify that the assignment submission is entirely my own work and I fully understand the consequences of plagiarism. I understand that making a false declaration is a form of malpractice.			
		Student's signature	

Grading grid

P1	P2	P3	P4	M1	M2	D1

❒ **Summative Feedback:**		❒ **Resubmission Feedback:**
Grade:	**Assessor Signature:**	**Date:**
IV Signature:		

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INTRODUCTION

In this document, the author will report about our solar energy system. Our project aims to replace normal electric source with solar power source. Our solar panel placed on roof of university campus and provides electricity for the whole building.

P5 Analyse research and data using appropriate tools and techniques.

I. RESEARCH ANALYSIS

A) List of interview question

This interview will help us answer the question of digital transformation impact on environment and our solar system energy.

1. On the scale of 1-5, how much do you care about digital transformation. (open question)

   ○ 1 ○ 2 ○ 3 ○ 4 ○ 5

2. Do you think digital transformation have negative impact on environment. (close question)
   A. Yes B. No

3. Do you like our project on solar system energy. (close question)

   A. Yes B. No

4. On the scale of 1-5, how exciting do you want to use solar electric power. (open question)

   ○ 1 ○ 2 ○ 3 ○ 4 ○ 5

5. Do you think our project will make any change to environment? (open question)

B) Summary

On the first question:

	Votes
Option 1	1
Option 2	3
Option 3	1
Option 4	3
Option 5	2

On the second question:

We are astonished that 8 out of 10 people surveyed respond negatively to the question. That means, most people do not really see the damage of digital transformation on nature environment.

On the third question:

We are happy to tell that, 90% really like our idea and the other 10% are very interested.

On the fourth question:

	Votes
Option 4	8
Option 5	2

On the last question:

Well, in this fifth question, we receive a lot of different answer. But all of them kind of curious about the solar system, and the rest is exciting about it.

C) List of survey questions

This survey will ask about our solar system energy. We want student and everyone else to share the feeling about our project.

1. On the scale of 1-5, how much do you care about digital transformation negative impact on environment. (open question)
   ○ 1 ○ 2 ○ 3 ○ 4 ○ 5

2. Do you think solar energy system will solve anything? (open question)

3. Do you agree about our method. (open question)

4. On the scale of 1-5, do you like to change all of the electricity source in your life to reusable source. (open question)
   ○ 1 ○ 2 ○ 3 ○ 4 ○ 5

5. Do you think our project will make any change to environment? (open question)

D) Summary

On the first question:

	Votes
Option 1	2
Option 2	1
Option 3	6
Option 4	1
Option 5	1

On the second question:

All of the answer are positive.

On the third question:

Almost everyone thinks our method are great but small amount think they prefer electric from wind energy.

On the fourth question:

	Votes
Option 1	4
Option 5	6

On the last question:

Like the interview, the answer are likely similar.

E) Evaluate

Through interview and survey, we have a bigger look about digital transformation impact on environment. Some people still lack of awareness about this problem. We have a chance to introduce about our project to help them know more about it. It been really an experience when we operate this section.

Interview have 5 questions
Survey have 5 questions

With the interviews and surveys, we collected and learning a lot from other students. We have noted and remember to improve from this project.

P6 Communicate appropriate recommendations as a result of research and data analysis to draw valid and meaningful conclusions.

II. RECOMMENDATIONS

1) Summary

Solar panels will be placed on top of the roof of Greenwich University to convert solar thermal energy into electrical power. As long as they are on campus, everyone who belongs to Greenwich, including visitors, can use the energy from renewable sources. This project will take 2 months to plan, 3 months to develop, and 1 last month to test.

2) List of futures

Our solar energy electric system will provide:

1. Clean energy for everyone.
2. Reduce e-waste cause from digital transformation.
3. Safe money in the long run compare to tradition electric source.
4. Safe and High security system.

3) Advantage and Disadvantage

Advantages:

- Clean energy
- No worried of power cut-off
- Reduce e-waste
- Safe money
- High security

Disadvantages:

- Need fund from the start
- Require high focus to implement this project

P7 REFLECT ON THE VALUE OF UNDERTAKING THE RESEARCH TO MEET STATED OBJECTIVES AND OWN LEARNING AND PERFORMANCE.

III. REFLECTIONS

1) Logbook

February – March 2023				Note
Range	Activity	Time	Evaluation	
Week 1 - 3	General plan	4 hours / day	100%	Make a research and plan to operate the project
Week 4 - 5	Schedule	4 hours / day	90%	Make a schedule plan to keep this project on track
Week 6 -7	SDLC	4 hours / day	90%	We make a SDLC to control this project after develop it
Phase #1	Goal: 90%	Actuality: 90%		GOOD

March - April 2023				Note
Range	Activity	Time	Evaluation	
Week 1 - 4	User Case	4 hours / day	90%	Make a user case to define the business problem
Week 4 - 8	Cost plan	4 hours / day	95%	Carefully make a cost plan, we don't want to over cost in any scenario
Phase #2	Goal: 90%	Actuality: 90%		GOOD

April - June 2023				Note
Range	Activity	Time	Evaluation	
Week 1 – 6	Design Safe	4 hours / day	90%	Make a safe system for everyone

Week 7 - 11	Design security	4 hours / day	90%	Design a good and high security
Phase #3	Goal: 90%	Actuality: 90%		GOOD

April - June 2023				Note
Range	Activity	Time	Evaluation	
Week 1 – 6	Develop carefully	4 hours / day	90%	Develop the system carefully
Week 7 - 11	Develop quality	4 hours / day	90%	Develop the system with high precision
Phase #4	Goal: 90%	Actuality: 90%		GOOD

July - August 2023				Note
Range	Activity	Time	Evaluation	
Week 1 – 6	Testing	4 hours / day	90%	Test the system carefully
Phase #5	Goal: 90%	Actuality: 90%		GOOD

2) Evaluation

The project bring use many emotions, and knowledge. We learned more about students and everyone else in the campus. Our system has make good progress to reduce the negative impact of digital transformation. Furthermore, we have a chance to know more about our generation thought climate change.

If we have a chance we want to apply our project to other university campus or oganizations.

SUMMARY

Our project has been finished and thanks to our team and headmaster, I have a chance to study and know more about project manage and impact of digital transformation.