Managing a Successful Computing Research Project - Assignment 2

Project Management

FPT University

16 pag.

ASSIGNMENT 2 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	Phan Minh Tri	Student ID	GCD201632
Class	GCD0904	Assessor name	Pham Thanh Son

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

P5	P6	P7	M3	M4	D2

✿ **Summative Feedback:**   ✿ **Resubmission Feedback:**

Grade:	Assessor Signature:	Date:
IV Signature:		

PRESENT RESULTS AND REFLECT THE VALUE GAINED

Assignment 2

Acknowledgement

First, I would like to thank the curators of the University of Greenwich, who make

researchers who have studied the Managing a Successful Computing Project. In addition, I would like thank speaker Pham Thanh Son for his very good and professional lectures and tutorials. Finally, I would like to thank the teachers and responsible staff of our university.

Table of Contents

Table of Figures

CHAPTER 1 – RESEARCH ANALYSIS (P5)

I.   Analyze and Evaluate Data

❖ My friends and other University of Greenwich students provided information. This research included 80 people. The respondent profiles are shown in the table below. Women make up 24.2% of the sample participants, while males make up 75.8%. 42.5% of responders are aged 24 to 26. 53.75% are IT students, 23.75% are business management students, and 22.5% are Graphic Design students. 2.5% are first-year students, 43.75% are second – year students, 35% are third – year students, and 18.75% are fourth – year students

Demographic		Frequency (n = 80)	%
Gender	Male	91	75.8
	Female	29	24.2
Age	18 – 20	6	7.5
	21 – 23	22	27.5
	24 – 26	34	42.5
	>= 27	18	22.5
Major	Information Technology	43	53.75
	Business Administrator	19	23.75
	Graphic Design	18	22.5
Academic year	First year	2	2.5
	Second year	35	43.75
	Third year	28	35
	Fourth year	15	18.75

Table 1: Demographic table

❖ Preliminarily descriptive analysis results

Items	Statements	Mean	Std. Deviation	Skewness	Kurtosis
ATT1	Recycling is good work	3.43	1.333	-.450	-1.018
ATT2	Recycling is useful	3.89	1.060	-.729	-.148
ATT3	We have responsible for recycling	3.81	1.162	-.860	.109
PBC1	Recycling my household waste is	3.77	1.153	-.893	.283
PBC2	Recycling is easy	3.58	1.254	-.725	-.353
PBC3	The local council provides satisfactory resources for recycling.	3.75	1.047	-.374	-.679

RS1	I sell much of my outdated electronic devices at second-hand stores for economic reasons	3.67	1.103	-.490	-.532
RS2	I sell my outdated or crashed electronic devices for environmental reasons	3.63	1.045	-.519	-.246
RS3	To reduce landfill problems, I sell my unwanted electronic devices rather than throw it away	3.76	1.108	-.940	.475
DN1	I donate my outdated electronic devices to charity for needy people	3.42	1.227	-.567	-.464
DN2	I often give away my electronic devices to charity	3.53	1.250	-.602	-.619
DN3	Donating to charity is a good way to recycle outdated electronic device	3.35	1.345	-.454	-.909

Table 2: Descriptive Analysis table

❖ According to the descriptive statistical analysis in SPSS software, all values of standard deviation, skewness, and kurtosis do not exceed plus or minus 3. As a result of the analysis results, participants in this study responded to questionnaire items normally, and the dataset can be assumed to be normal for T-test analysis, which seeks to investigate significant differences between the means of the indicators and the neutral value of 3 on their measurement scales. Furthermore, respondents overwhelmingly agree that recycling their home garbage is inconvenient. (SI1, SI2, SI3) The respondents firmly believe that recycling is important activity and that they are responsible for recycling (ATT1, ATT2, ATT3). Furthermore, participants are quite delighted with the online shopping application, including the way transactions are done and the service (SATIS1, SATIS2, SATIS3). And responders are eager to discuss the advantages and disadvantages of online shopping apps, as well as promote them to others (WOM1, WOM2, WOM3).

Indicators	Mean	t	Sig. (2-tailed)
ATT1	3.43	3.561	0.001
ATT2	3.89	9.219	0
ATT3	3.81	7.622	0
PBC1	3.77	7.314	0

PBC3	3.75	7.845	0
RS1	3.67	6.624	0
RS2	3.63	6.641	0
RS3	3.76	7.5	0

DN1	3.42	3.72	0
DN2	3.53	4.675	0
DN3	3.35	2.85	0.005

Table 3: One Sample Test

II.   Evaluate tools have been selected

❖ Google Forms is an excellent tool for creating simple surveys, collecting questionnaire replies, and gathering ratings and comments. Because of its basic interface, it is perfect for novices or persons who are only passingly acquainted with sophisticated survey design tools. Design and styling options are relatively restricted. However, the color palette is adaptable. Furthermore, by utilizing a remote management strategy that allows us to evaluate the impact in real-time with simple data migration in the pivot table, it is manual, and the use of Google Forms reduces diagnostic time, it can enable feedback on whether you are satisfied or dissatisfied with a specific aspect of my project. Our technical support analysts and other arrays, on the other hand, keep track of difficulties and defects in every section of the management system that protects our network and record each device that is affected one at a time.

CHAPTER 2 – RECOMMENDATIONS (P6)

❖ After reviewing and analyzing the prior survey data, I was able to develop the following strategies to minimize e-waste in the environment:

➔ Be a smart customer. When you're ready to purchase a new product, do some homework. Make sure it won't break easily or get damaged soon after you buy it. In other words, search for things that will last for many years rather than a few months. It is well known that this is a frequent practice in the electronics industry: making goods with shorter life spans to gain more money in the long run when they break or malfunction.

➔ Recycle as much as possible. If you still have functional components and equipment, consider fixing the electrical gadget before purchasing a new one. If the gadget is beyond repair, recycle it.

➔ Look for an ecologically friendly label. Check to discover whether the items you purchase have the Energy Star designation or have been certified by the Electronic Product Environmental Assessment Too.

➔ Consider reducing your technological possessions. If you don't need another gadget, seek for products that can do many tasks.

➔ Teach children about e-waste. Children are our future, and it is beneficial if we can inculcate in them a commitment to e-waste recycling at an early age.

➔ Recycle, recycle, recycle. Whatever you have, it is important to always dispose of your e-waste properly. That includes recycling all your old gadgets, with the awareness that improperly disposing of e-waste is becoming more dangerous, especially since the amount of e-waste has increased.

CHAPTER 3 – REFLECTIONS (P7)

I.   Evaluation of the research result

❖ The research identifies the elements that impact customer return/recycling intentions and intends to assist businesses and government agencies in developing programs that encourage recycling. This research helps managers and academics comprehend the consumer's point of view.

❖ The attitude and perceived behavioral control were shown to be minor determinants of recycling in this research. This might be because, despite their knowledge, customers do not participate in recycling activities on their own. They have lower recycling intentions since recycling provides no personal benefit to them.

❖ The influence of return intention on various recycling behaviors was considerable. The recycling purpose to resale and give was considerable. The desire to return/recycle is the best predictor of reuse. This means that individuals want to reuse their things rather than discarding them after a single usage. Return intention predicted the disposal behavior the least.

II.   Some of learning from the project

❖ **Leader skill** – Setting the vision, managing the workload of the team members, executing the process, and keeping everything on time are all aspects of my leadership job. I must understand each member of the team, strike a balance between discipline and openness, and foster a pleasant atmosphere in which individuals may share their thoughts and ideas.

❖ **Communication skill** – I spend around 90% of my time communicating with the team and the customer. Communication skills need the capacity to listen, present information effectively, and correctly to the audience, with the necessary information at the appropriate moment. I constantly try to interact with people as much as possible to comprehend the challenges and aspirations of workers and consumers.

❖ **Risk management skill** – Every software development project has some level of risk. To manage risks, I must depend on expertise to anticipate potential hazards and then plan, cost, and implement effective risk-reduction methods.

❖ **Planning skill** – During the planning phase, I will identify possible difficulties and devise a strategy to address them. Planning involves procedures such as project organization, planning management, project control, maintenance and support, risk management, and so on. Planning abilities and project model choices are critical for having a direct impact on project success or failure.

III.   Logbook

1. Project logbook phase 1

Project Title: Understanding Vietnamese consumers' behavior intentions towards dealing with the e-waste
Phase 1: Initial phase (1/10/2022 - 5/10/2022)

Update on weekly research/tasks achieved
 	
Point to consider:
-   What have you completed?
  ➔ Finished researching problems in the brief on the internet, selecting the topic to research, investigating problems related to the topic for more information to write the report, recruiting members and selecting appropriate members with good qualities to implement project, presenting the topic to stakeholders
-   Did you fulfill task requirements?
  ➔ Yes, I did
-   Are you on track and within deadlines set?
  ➔ Yes, I am
-   Did you need to make any changes to your project management plan?
  ➔ No, I had no intention of changing my project management strategy.

Any risks and/or issues identified?
  ➔ No
Point to consider:
-   Did you identify risks/issues with a lack of skills required for undertaking research/tasks?
  ➔ Last phase, we didn't have any risks, and everything was going very smoothly.
-   Did you identify any traditional risks/issues that have an impact on the project management plan?

Problems encountered
Point to consider:
-   What barriers did you face?
  ➔ I had no problems.
-   How did you overcome them?

New ideas and change of project direction

Point to consider:
- In developing work, address risks/issues, has the direction of your work changed?
  ➔ No
- How does your work justify the change of direction? Is this clear?
- Do you feel this change of direction has enhanced your work? How?

What have you learned about yourself through your work?

Point to consider:
- What are the most important things that your work has revealed to you? How might this learning apply in the future?
  ➔ If I want my project to be successful, I need additional information after I develop it so that I may optimize its exploitation and application as effectively as possible.
- How did you feel when you had to deal with challenges/problems?
  ➔ I am not currently experiencing any difficulties.
- How well do you feel you have performed?
  ➔ I believe our project is still on track.
- What can you improve?
  ➔ I need to strengthen my presenting skills so that stakeholders comprehend the suggested issue thoroughly and fast.

Next steps for you work

Points to consider:
- What aspects of your work should your priorities?
  ➔ Gather a lot of important information.
- Have you allowed sufficient time for completion?
  ➔ Yes, I have

Project plan status to date

Point to consider
- Do you feel you are on track to complete your work on time? If not, how will you address this?
  ➔ It is anticipated to be finished on time.
- Do you feel your work shows your achievement of the learning outcomes? If not, what do you need to do?
  ➔ The project fulfilled most of the material I learnt, and my project method was also 50% successful.

Tutor feedback

2. Project logbook phase 2

Project Title: Understanding Vietnamese consumers' behavior intentions towards dealing with the e-waste
Phase 2: Planning phase (6/10/2022 - 10/10/2022)

Update on weekly research/tasks achieved
 	
Point to consider:
- What have you completed?
  ➔ Completed assessing and prioritizing potential issues that might adversely impact the project, suggesting solutions to those problems, estimating execution time as well as monitoring time, project cost, milestone, Gantt chart, and work breakdown structure (WBS) to assign tasks to members
- Did you fulfil task requirements?
  ➔ Yes, I did
- Are you on track and within deadlines set?
  ➔ Yes, I am
- Did you need to make any changes to your project management plan?
  ➔ No, it's effective

Any risks and/or issues identified?
  ➔ No
 	
Point to consider:
- Did you identify risks/issues with a lack of skills required for undertaking research/tasks?
  ➔ Last phase, we didn't have any risks, and everything was going very smoothly.
- Did you identify any traditional risks/issues that have an impact on the project management plan?
  ➔ There is no problem to be solved

Problems encountered Point to consider: - What barriers did you face?   ➔ I had no problems. - How did you overcome them?
New ideas and change of project direction Point to consider: - In developing work, address risks/issues, has the direction of your work changed?

| - How does your work justify the change of direction? Is this clear?

- Do you feel this change of direction has enhanced your work? How? |

What have you learned about yourself through your work?

Point to consider:
- What are the most important things that your work has revealed to you? How might this learning apply in the future?
  - ➔ The workload is excessive and changes too rapidly, leaving personnel unable to adjust and under pressure. So, in addition to working, I believe it is important to assist workers as a motivator for them to continue doing this job.
- How did you feel when you had to deal with challenges/problems?
  - ➔ I am not currently experiencing any difficulties.
- How well do you feel you have performed?
  - ➔ I believe our project is still on track.
- What can you improve?
  - ➔ At the time, no.

Next steps for you work

Points to consider:
- What aspects of your work should your priorities?
  - ➔ Employee health and safety are of the utmost importance.
- Have you allowed sufficient time for completion?
  - ➔ Yes, I have

Project plan status to date

Point to consider
- Do you feel you are on track to complete your work on time? If not, how will you address this?
  - ➔ Yes, I do
- Do you feel your work shows your achievement of the learning outcomes? If not, what do you need to do?
  - ➔ Yes, I do

Tutor feedback

3. Project logbook phase 3

Project Title: Understanding Vietnamese consumers' behavior intentions towards dealing with the e-waste
Phase 3: Executing and Monitoring phase: (11/10/2022 - 29/10/2022)

Update on weekly research/tasks achieved
 	
Point to consider:
- What have you completed?
  ➔ Completed assessing and prioritizing potential issues that might adversely impact the project, suggesting solutions to those problems, estimating execution time as well as monitoring time, project cost, milestone, Gantt chart, and work breakdown structure (WBS) to assign tasks to members
- Did you fulfil task requirements?
  ➔ Yes, I did
- Are you on track and within deadlines set?
  ➔ Yes, I am
- Did you need to make any changes to your project management plan?
  ➔ No, it's effective

Any risks and/or issues identified?
  ➔ No
 	
Point to consider:
- Did you identify risks/issues with a lack of skills required for undertaking research/tasks?
  ➔ Last phase, we didn't have any risks, and everything was going very smoothly.
- Did you identify any traditional risks/issues that have an impact on the project management plan?
  ➔ There is no problem to be solved

Problems encountered Point to consider: - What barriers did you face?   ➔ I had no problems. - How did you overcome them?
New ideas and change of project direction Point to consider: - In developing work, address risks/issues, has the direction of your work changed?

- How does your work justify the change of direction? Is this clear?

- Do you feel this change of direction has enhanced your work? How?

What have you learned about yourself through your work?

Point to consider:
- What are the most important things that your work has revealed to you? How might this learning apply in the future?
  ➔ The workload is excessive and changes too rapidly, leaving personnel unable to adjust and under pressure. So, in addition to working, I believe it is important to assist workers as a motivator for them to continue doing this job.
- How did you feel when you had to deal with challenges/problems?
  ➔ I am not currently experiencing any difficulties.
- How well do you feel you have performed?
  ➔ I believe our project is still on track.
- What can you improve?
  ➔ At the time, no.

Next steps for you work

Points to consider:
- What aspects of your work should your priorities?
  ➔ Employee health and safety are of the utmost importance.
- Have you allowed sufficient time for completion?
  ➔ Yes, I have

Project plan status to date

Point to consider
- Do you feel you are on track to complete your work on time? If not, how will you address this?
  ➔ Yes, I do
- Do you feel your work shows your achievement of the learning outcomes? If not, what do you need to do?
  ➔ Yes, I do

Tutor feedback

4. Project logbook phase 4

Project Title: Understanding Vietnamese consumers' behavior intentions towards dealing with the e-waste
Phase 4: Closing phase (29/10/2022 - 31/10/2022)

Update on weekly research/tasks achieved

Point to consider:
- What have you completed?
  - ➔ Completed assessing and prioritizing potential issues that might adversely impact the project, suggesting solutions to those problems, estimating execution time as well as monitoring time, project cost, milestone, Gantt chart, and work breakdown structure (WBS) to assign tasks to members
- Did you fulfil task requirements?
  - ➔ Yes, I did
- Are you on track and within deadlines set?
  - ➔ Yes, I am
- Did you need to make any changes to your project management plan?
  - ➔ No, it's effective

Any risks and/or issues identified?
  - ➔ No

Point to consider:
- Did you identify risks/issues with a lack of skills required for undertaking research/tasks?
  - ➔ Last phase, we didn't have any risks, and everything was going very smoothly.
- Did you identify any traditional risks/issues that have an impact on the project management plan?
  - ➔ There is no problem to be solved

Problems encountered

Point to consider:
- What barriers did you face?
  - ➔ I had no problems.
- How did you overcome them?

New ideas and change of project direction

Point to consider:
- In developing work, address risks/issues, has the direction of your work changed?

- How does your work justify the change of direction? Is this clear?

- Do you feel this change of direction has enhanced your work? How?

What have you learned about yourself through your work?

Point to consider:
- What are the most important things that your work has revealed to you? How might this learning apply in the future?
  ➔ The workload is excessive and changes too rapidly, leaving personnel unable to adjust and under pressure. So, in addition to working, I believe it is important to assist workers as a motivator for them to continue doing this job.
- How did you feel when you had to deal with challenges/problems?
  ➔ I am not currently experiencing any difficulties.
- How well do you feel you have performed?
  ➔ I believe our project is still on track.
- What can you improve?
  ➔ At the time, no.

Next steps for you work

Points to consider:
- What aspects of your work should your priorities?
  ➔ Employee health and safety are of the utmost importance.
- Have you allowed sufficient time for completion?
  ➔ Yes, I have

Project plan status to date

Point to consider
- Do you feel you are on track to complete your work on time? If not, how will you address this?
  ➔ Yes, I do
- Do you feel your work shows your achievement of the learning outcomes? If not, what do you need to do?
  ➔ Yes, I do

Tutor feedback