**ASSIGNMENT 2 FRONT SHEET**

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| --- | --- | --- | --- |
| **Qualification** | **BTEC Level 5 HND Diploma in Computing** | | |
| **Unit number and title** | Unit 06: Managing a Successful Computing Project | | |
| **Submission date** | 8/3/2023 | **Date Received 1st submission** |  |
| **Re-submission Date** |  | **Date Received 2nd submission** |  |
| **Student Name** | Do Huu Duy | **Student ID** | GCC200018 |
| **Class** | GCC0903 | **Assessor name** | Trung Viet Nguyen |
| **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** | huuduy |

**Grading grid**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| P5 | P6 | P7 | M3 | M4 | D2 |
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| --- | --- | --- |
| **❒ Summative Feedback: ❒ Resubmission Feedback:** | | |
| **Grade:** | **Assessor Signature:** | **Date:** |
| **IV Signature:** | | |

**ASSIGNMENT 2 BRIEF**

|  |  |  |  |
| --- | --- | --- | --- |
| **Qualification** | **BTEC Level 5 HND Diploma in Computing** | | |
| **Unit number and title** | Unit 06: Managing a Successful Computing Project | | |
| **Assignment title** | Present results and reflect the value gained | | |
| **Academic Year** | 2022 – 2023 | | |
| **Unit Tutor** | Do Tien Thanh | | |
| **Issue date** | 03 August 2022 | **Submission date** |  |

|  |
| --- |
| **Submission Format:** |
| **Format:** The submission is in the form of an individual written report and presentation report. This should be written in a concise, formal business style using single spacing and font size 12. You are required to make use of headings, paragraphs and subsections as appropriate, and all work must be supported with research and referenced using the Harvard referencing system. Please also provide a bibliography using the Harvard referencing system.  **Submission:** Students are compulsory to submit the assignment in due date and in a way requested by the Tutors. The form of submission will be a soft copy in PDF posted on corresponding course of <http://cms.greenwich.edu.vn/>.  **Note:** The Assignment must be your own work, and not copied by or from another student or from books etc. If you use ideas, quotes or data (such as diagrams) from books, journals or other sources, you must reference your sources, using the Harvard style. Make sure that you know how to reference properly, and that understand the guidelines on plagiarism. If you do not, you definitely get fail |
| **Assignment Brief and Guidance:** |
| **Scenario**: Continued from Assignment 1.  **Tasks**  You have done the research and have the answer to the company problem. It’s time to do a presentation of the results of your research in front of the board of directors. Results should be analyzed, and appropriate recommendations should be drawn from that.  Finally, you need to write a brief report to the QA department to reflect on the whole project process. The report should include:  - Logbooks, lessons learnt, reflection of project outcomes and project process  - Critical evaluation of the selection of appropriate research tools and techniques for accuracy and authenticity  - Critical evaluation of project management plan and process applied on the project |
|  |

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| --- | --- | --- |
| **Learning Outcomes and Assessment Criteria** | | |
| **Pass** | **Merit** | **Distinction** |
| **LO3** Present the project and communicate appropriate recommendations based on meaningful conclusions drawn from the evidence findings and/or analysis | | **LO3 & 4**  **D2** Critically evaluate and reflect on the project outcomes, the decision-making process and of the initial project management plan to support justification of  recommendations and learning during the project. |
| **P5** Analyze research and data using appropriate tools and techniques.  **P6** Communicate appropriate.  recommendations as a result of research and data analysis to draw valid and meaningful.  conclusions. | **M3** Evaluate the selection of appropriate tools and techniques for accuracy and authenticity to support and justify recommendations. |
| **LO4** Reflect on the value gained from conducting the project and its usefulness to support sustainable organizational performance | |
| **P7** Reflect on the value of undertaking the research to meet stated objectives and own learning and performance. | **M4** Evaluate the value of the project management process and use of quality research to meet stated objectives and support own learning and performance. |

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# I. Research Analysis

## 1. Analyze and evaluate data that gathered

In assignment 1, we gathered information from qualitative and quantitative studies on environmental impact caused by digital devices. We gathered information by performing interviews and surveys to people about the current problem of the environmental impacted by digital devices today. The goal of the interview and survey in assignment 1 that help us gather the necessary information to support for processing perform the project. The information that we gathered is the premise information to make a decision to implement the project. Besides, this information helps us measure the project feasibility. In order to perform the interview and survey effectiveness, we used the tools to support the interview and survey processing that is the Google Form tool, this is used for interviews and surveys to make the research process more efficient.

## 2. Evaluate the tools that have selected for interview and survey

In this project, I used Google Form to perform interviews and surveys to gather information. I chose it to use because it is free and easy to use and supports many features.

A tool called Google Forms enables us to design online quizzes, polls, questionnaires, and other types of information crowdsourcing. This tool, which is a part of the Google Workspace, provides solutions, especially for the demands of administering surveys and creating forms. With drag-and-drop capabilities, premade templates, question modification, and other tools, Google Forms has everything you need to build surveys and forms. In addition, with the Google Form, it helps me measure and evaluation the questions, it gives the diagram makes it easy to compare results (template, 2022)

Features of the Google Form:

* User-friendly Interface: The UI of Google Forms is user-friendly. This makes the process of generating, revising, and customizing a quiz, survey, or form simple and effective. The process of acquiring information will now be simpler, quicker, and a better experience thanks to this interface that is noise-free.
* Free use forever: Use of Google Forms is free when using a Google account alone. Its distinguishing feature from other survey-based applications is this benefit. There are numerous options to share and distribute Google Forms' forms, as well as unlimited access to them.
* Collaboration: Google Workspace is designed to facilitate team collaboration wherever you are in the world by nature. It is carried out effectively through Google Forms' real-time collaborative function.
* Integration with Google Sheets: The beauty of Google Sheets integration with Google Forms is that it allows for quicker, simpler, and more effective data analysis. Data may be easily accessed and exported from this program to Google Sheet and other Google apps.
* Feature-rich: A variety of modes of answering, the addition of URLs, images, characters, uploading files, plug-ins, add-ons, and other tools for beautification and proper execution of each quiz, survey, or form are just a few of the features that Google Forms is equipped with. It also integrates with Google Sheets and other GSuite programs.
* Easy Form Sharing Options: Google Forms offers simple and effective sharing alternatives. Sending through email, sharing a URL, and embedding HTML are the principal choices. The form can also be sent directly on social media sites like Twitter and Facebook. For simpler and more effective form sharing, a QR code option is also offered.

Through the Google Form tool, I feel this is a good tool for surveying. Firstly, it is free. Secondly, it is easy to use and convenient for a student like me. With google form, there are many features and options to make a survey question. Besides, with google form we also will be easy to approach people to propose they respond the survey questions.

## 3. Quantitative Research

The process of gathering and interpreting numerical data is known as quantitative research. It can be used to generate predictions, test theories, and uncover patterns and averages. Comparative study, which gathers and examines non-numerical data, is known as quantitative research (e.g., text, video, or audio). Quantitative research is widely used in the natural and social sciences: IT, Biology, Chemistry, Psychology, Economics, Sociology, Marketing (Bhandari, 2020)

**Question 1:**

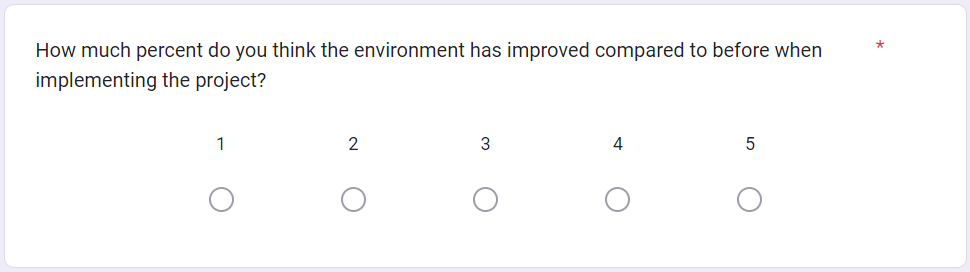


Figure 1. The question 1 of Quantitative Research

This question tries to exam people evaluation about the status of the environment after performing the project with each level from 1 to 5 and based on the response of everyone we will determine whether the environment's status has improved or not.

**Question 2:**

Graphical user interface, text

Description automatically generated

Figure 2. The question 2 of Quantitative Research

This question tries to get everyone's point of view and when everyone evaluates, we will determine whether the budget of the project has been reasonable or not.

**Question 3:**

Graphical user interface, text, application

Description automatically generated

Figure 3. The question 3 of Quantitative Research

This question tries to exam everyone whether the project that I perform is effective or not. Based on response of everyone, I can determine about the effectiveness of the project

**Question 4:**

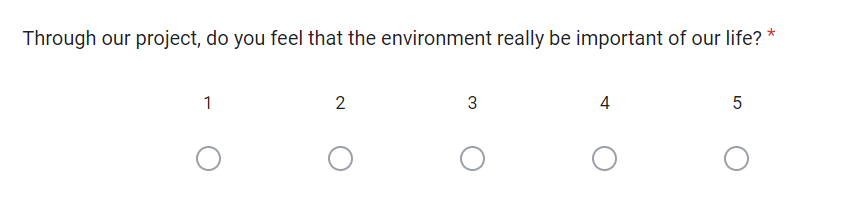


Figure 4. The question 4 of Quantitative Research

This question exam whether everyone's point of view on the environment, whether they feel the environment is important in life or not. Based on their response in each level from 1 to 5, I can determine everyone's point of view, whether they are care about the environment or not

**Question 5:**

Graphical user interface, text, application

Description automatically generated

Figure 5. The question 5 of Quantitative Research

This question tries to exam everyone about my project. How many percent that they will evaluate my project and based on their response; I can determine the effectiveness of the project.

**Question 6:**

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Figure 6. The question 6 of Quantitative Research

With this question, I want to know everyone's feelings about my project.

**Question 7:**

Graphical user interface, text

Description automatically generated

Figure 7. The question 7 of Quantitative Research

I perform this question with the goal checking whether everyone has a responsibility with the environment or not.

**Question 8:**

Graphical user interface, text, application

Description automatically generated

Figure 8. The question 8 of Quantitative Research

In this question, I want to get everyone's point of view to know whether I should perform some project like this to protect the environment or not and based on their response I can know that I should continue perform or not.

**Question 9:**

Graphical user interface, text, application

Description automatically generated

Figure 9. The question 9 of Quantitative Research

With this question, I want to get everyone's point of view. When I perform this project, the old digital devices will exist a lot of in the market, whether this has effectiveness to the market or not

**Question 10:**

Graphical user interface, text

Description automatically generated with medium confidence

Figure 10. The question 10 of Quantitative Research

I ask this question because I want to know everyone's evaluation about the positive of the environment after performing the project.

## 4. Qualitative Research

Qualitative research refers to a broad family of research methodologies. Qualitative research is research that involves analyzing and interpreting text and interviews and observations in order to discover meaningful patterns descriptive of a particular phenomenon (Carl F. Auerbach, 2023)

**Question 1:**

Table

Description automatically generated with medium confidence

Figure 11. The question 1 of Qualitative Research

I ask this question since I want to know whether I perform this project, whether it help the environment or not.

**Question 2:**

**Text

Description automatically generated**

Figure 12. The question 2 of Qualitative Research

This question tries to exam everyone about my project. Whether the project that I perform can be help recycling the old digital devices or not

**Question 3:**

**Text

Description automatically generated with low confidence**

Figure 13. The question 3 of Qualitative Research

I ask this question because I want to get everyone's point of view about my project.

**Question 4:**

**Table

Description automatically generated with medium confidence**

Figure 14. The question 4 of Qualitative Research

In this question, I want to know everyone's experience when using the recycling devices that we recycled in the project.

**Question 5:**

**Text

Description automatically generated with low confidence**

Figure 15. The question 5 of Qualitative Research

I ask this question, since I want to get more ideas from everyone about the environment after performing the project.

**Question 6:**

**Table

Description automatically generated with medium confidence**

Figure 16. The question 6 of Qualitative Research

In this question, I want to collect suggestions from everyone about my project to improve and expand my project.

**Question 7:**

**Table

Description automatically generated**

Figure 17. The question 7 of Qualitative Research

This question tries to get everyone's idea whether my project needs to improve or not and what should be improved?

**Question 8:**

**A picture containing text

Description automatically generated**

Figure 18. The question 8 of Qualitative Research

I ask this question because I want to know whether everyone often use the recycling devices or not and based on their response, I can know people's need for recycling equipment.

**Question 9:**

**Table

Description automatically generated with medium confidence**

Figure 19. The question 9 of Qualitative Research

I ask this question, since I want to know whether my project helps reduce technology waste or not.

**Question 10:**

**A picture containing graphical user interface

Description automatically generated**

Figure 20. The question 10 of Qualitative Research

This question tries to get everyone's answer about the recycling devices that I recycle that can use or not; are they stable or not?

## 5. Evaluate how accuracy interview and survey are

Through 20 questions about the quantitative and qualitative survey in part 1 and 2 of part II. We gathered a good response from people who joined the survey. In this project, we performed survey 13 people for the quantitative survey and 10 people for qualitative survey and all of them got good feedback on the project we've done. Besides, through all their responses, we can determine about the rate project's successfully is feasible and project with the solution that we bring that get the expected result and from that we get the response well. In addition, the project that helps the environment become better and contributes recycling digital devices instead of throwing away; this helps reduce technology waste and contributes to protecting the environment. From the above people's response and the benefits that get, we evaluate the result of this survey is successes and met all what we expected.

# II. Recommendations

## 1. Quantitative research result

In this project, I will perform a survey of 13 people and finish in a week and the survey that collected the list result below.

**Result of question 1:**

**A picture containing chart

Description automatically generated**

Figure 21. Question 1 result of Quantitative Research

From the result, we can see 76.9% of people evaluate the environment is better after performing the solution. But 7.7% and 15.4% evaluating the environment is not better after performing with the level is 2 and 4.

**Result of question 2:**

**Chart, pie chart

Description automatically generated**

Figure 22. Question 2 result of Quantitative Research

With this result, 92.3% of people evaluate the budget of the solution as ok and 7.7% is cheap. From this result, we can see the budget of the solution is suitable.

**Result of question 3:**

**Chart, pie chart

Description automatically generated**

Figure 23. Question 3 result of Quantitative Research

The result of the survey question, we can see 69.2% of people evaluate the solution as effective and 23.10 is extremely effective. In addition, there is 7.7% of people evaluate the solution is no effective

**Result of question 4:**

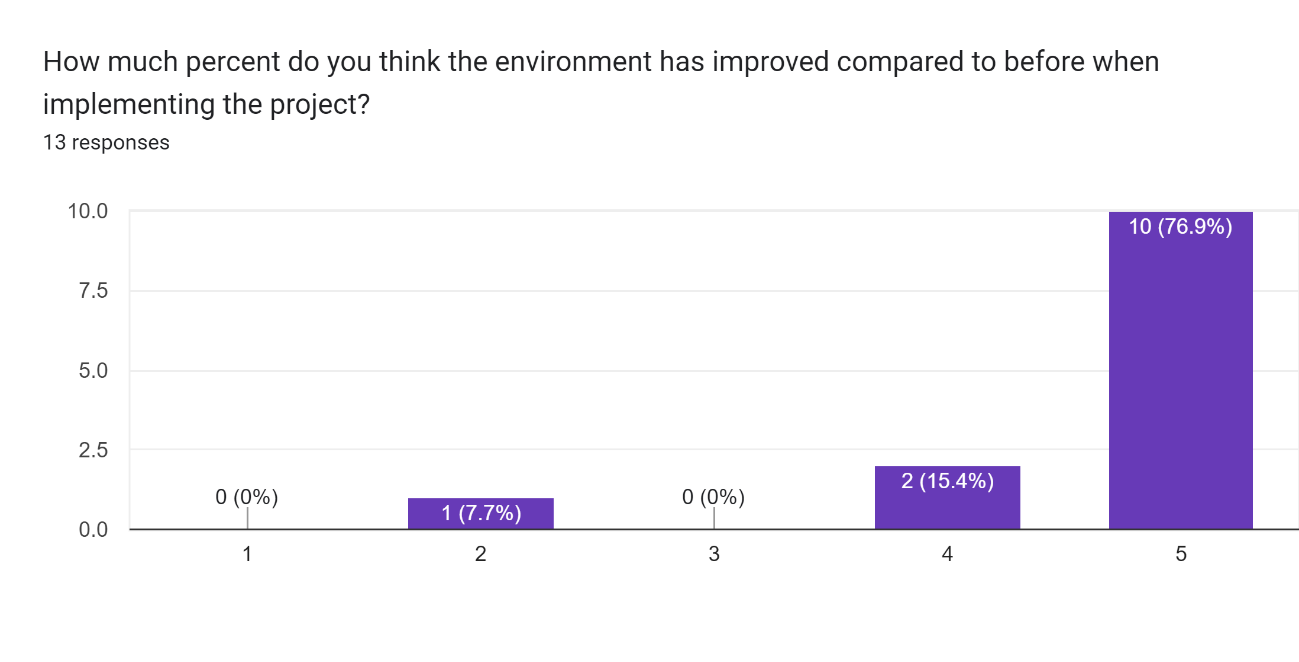
****

Figure 24. Question 4 result of Quantitative Research

With the result, we can see that people really care about the environment, but just 76.9% of people suppose the environment is important in our life. Besides, 7.7% and 15.4% of people suppose the importance of environment in level 2 and 4. From that, we can see, some people suppose the environment is less important.

**Result of question 5:**

**Chart, pie chart

Description automatically generated**

Figure 25. Question 5 result of Quantitative Research

From the chart, we can see 69.2% of people evaluate the high rate of the solution and just have 30% of people evaluate the medium rate of the solution.

**Result of question 6:**

**Chart, pie chart

Description automatically generated**

Figure 26. Question 6 result of Quantitative Research

With this result, we can see, the recycling devices that we recycle in the solution are ok and good with 84.6% of people that evaluate good and 7.7% is extremely good, 7.7% is bad. This means the recycling devices are good when used. But 7.7% is bad, I think there are one of product is get crash, but with this result I think the recycling devices is stable and ok.

**Result of question 7:**

**Chart, pie chart

Description automatically generated**

Figure 27. Question 7 result of Quantitative Research

Based on this result, we can see, people agree that they have a responsibility to protect the environment with the rate is different with 69.2% of people evaluating they have a responsibility to protect the environment, 23.1% suppose the solution is extremely effective. However, 7.7% of people suppose our solution is not effective. I think they don’t understand our solution and our project, or they haven’t got the benefits of the project yet.

**Result of question 8:**

**Chart, pie chart

Description automatically generated**

Figure 28. Question 8 result of Quantitative Research

This result with the rate is 76.9% of people who join the survey want us to expand the project. 15.4% of people suppose our project maybe expand, and 7.7% of people suppose our project shouldn’t expand. With this result, I think most people want our project to be expanded, because our project that help the environment better.

**Result of question 9:**

**Chart, pie chart

Description automatically generated**

Figure 29. Question 9 result of Quantitative Research

In this result, we can see, when this solution is performed the recycling devices will increase in the market and this maybe affect to the market with the rate is 61.5% of people that evaluate this maybe affect to the market.

**Result of question 10:**

**Chart, pie chart

Description automatically generated**

Figure 30. Question 10 result of Quantitative Research

With this result, we can see people evaluating the current stats of the environment is high with 76.9% of people that evaluate high and 23.1% of people that evaluate medium.

**Summary:**

Through all of the result quantitative survey. I collected a high result and well rated. From the result, I determine my solution is ok and suitable with the modern today and contribute to protect the environment and recycling the digital devices instead of throwing away

## 2. Qualitative research result

In this project, I will perform a survey of 10 people and finish in a week and the survey that collected the list result below.

**Result of question 1:**

**Graphical user interface, text, application, email

Description automatically generated**

Figure 31. Question 1 result of Qualitative Research

From the result of this question, we can see that people evaluate good about the solution and agree the solution that contributes to protect the environment.

**Result of question 2:**

**Graphical user interface, text, application

Description automatically generated**

Figure 32. Question 2 result of Qualitative Research

Through this result, we can see that most people evaluate our solution that helps recycling the old devices. Besides, they also suppose our solution should be expanded.

**Result of question 3:**

**Graphical user interface, text, application, email

Description automatically generated**

Figure 33. Question 3 result of Qualitative Research

In this question, I collected a good response, most people evaluating our project is good after performing. All of the evaluating our project in a positive direction

**Result of question 4:**

**Graphical user interface, text, application

Description automatically generated**

Figure 34. Question 4 result of Qualitative Research

After our project is performed and give some recycling devices and we gave them for 10 people who joined the survey to use and result that we collected well. The recycling device is ok when using.

**Result of question 5:**

**Text

Description automatically generated**

Figure 35. Question 5 result of Qualitative Research

With the result of this question, we can see most people’s comments on our project in a positive direction. All of the people’s comments help us to be aware of the success of the project and the positive things it brings.

**Result of question 6:**

**Graphical user interface, text, application, email

Description automatically generated**

Figure 36. Question 6 result of Qualitative Research

With the result of this question, we can see most people want us to expand the project with a lot of solutions. Besides, there are some people who don’t know what should suggest for our project.

**Result of question 7:**

**Graphical user interface, text, application

Description automatically generated**

Figure 37. Question 7 result of Qualitative Research

Through this result, we can see most of the people who joined the survey want us to expand recycling devices, cost restraint. There is one person that suppose the budget of the project is quite high and need adjust

**Result of question 8:**

**Graphical user interface, text, application, email

Description automatically generated**

Figure 38. Question 8 result of Qualitative Research

Based on this result, we can see most people tend to use recycling equipment quite a lot. From this result, we can know the way that people approach and buy recycling devices.

**Result of question 9:**

**Graphical user interface, text, application, email

Description automatically generated**

Figure 39. Question 9 result of Qualitative Research

Based on the response of people, we can see the project that we perform that help reduce the technology waste with all of the people that joined the survey evaluate that this solution help reduce technology waste.

**Result of question 10:**

**Graphical user interface, text, application, email

Description automatically generated**

Figure 40. Question 10 result of Qualitative Research

In this survey, we surveyed 10 people, and they all give good reviews about the recycling devices. Based on the response, we can determine all of our recycling devices is ok and stable when using

**Summary:**

Through 10 results of the qualitative survey, we collected good responses from the participants in the survey and in general, everyone gave a good review of the solution we came up with and implemented. After a long time the solution we help the environment become better. Besides, contribute reduce the technology waste the cause impact to the environment. To sum up, through these 10 results, we suppose our solution is good and fits with the modern today. In addition, based on the result, we will decide to continue performing and expanding the project with numerous solutions to help protect the environment and contribute to the digital technology and digital transformation trend.

## 3. List of features for proposed solution.

In our project, with the survey was performed and got the evaluation result. Everyone who joined the survey feels our solution is good and hopes that our next project will expand. Based on the responses from the poll of people that joined the survey. They evaluate high our solution and our idea are beneficial to the environment. With our solution, it brings some features such as helping the environment better, improve the environmental pollution by digital devices. Besides, the solution that helps recycling the old digital devices to use instead of throwing them away; this help reduce technology waste. Moreover, after our solution is performed that help people realize the general condition of the current environment and they have a more positive view of the environment, care and be more responsible for the environment. In addition, the solution that helps people save and avoid waste old digital devices. If they throw them away and buy a new device, they will spend a lot of money, so if the old devices can be recycled to use, they will not need to buy a new device and they will save money.

## 4. Advantages and disadvantages of proposed solution

After the solution is performed, we get some of the following advantages and disadvantages.

* Advantages
* The project was finished on time.
* Solutions to help protect the environment and reduce the impact on the environment.
* Helping recycle old digital devices instead of throwing them away, helping to reduce technology waste.
* Environmental protection
* Disadvantages
* The solution only helps the environment improve but does not avoid environmental pollution.
* The solution is recycling a lot of old digital devices, this affects the market with the old devices increasing.

# III. Reflections

## 1. The schedule created in the previous report

Table 1. Schedule table

|  |  |  |  |
| --- | --- | --- | --- |
| Task Name | Duration | Start | Finish |
| Solution protects the environment through collection and recycled digital devices. | **37 days** | **Tue 1/3/23** | **Fri 3/3/23** |
| Initialization | **6 days** | **Tue 1/3/23** | **Tue 1/10/23** |
| Create Schedule Plan | 1 day | Tue 1/3/23 | Tue 1/3/23 |
| Create Cost Plan | 2 days | Wed 1/4/23 | Thu 1/5/23 |
| Create Risk Plan | 2 days | Wed 1/4/23 | Thu 1/5/23 |
| Create Communication Plan | 2 days | Fri 1/6/23 | Mon 1/9/23 |
| WBS Diagram | 1 day | Tue 1/10/23 | Tue 1/10/23 |
| Gantt Chart | 1 day | Tue 1/10/23 | Tue 1/10/23 |
| Research | **12 days** | **Wed 1/11/23** | **Mon 2/6/23** |
| Identify And Gather Relevant Literature | 3 days | Wed 1/11/23 | Fri 1/13/23 |
| Identify Data Sources And Gather Data | 4 days | Mon 1/16/23 | Mon 1/30/23 |
| Survey Research | 5 days | Tue 1/31/23 | Mon 2/6/23 |
| Implement | **8 days** | **Tue 2/7/23** | **Thu 2/16/23** |
| Analysis the research that gather | 5 days | Tue 2/7/23 | Mon 2/13/23 |
| Potential Solution | **3 days** | **Tue 2/14/23** | **Thu 2/16/23** |
| Identify Solution | 2 days | Tue 2/14/23 | Wed 2/15/23 |
| Evaluate The Feasibility And Effectiveness Of Solution | 3 days | Tue 2/14/23 | Thu 2/16/23 |
| Final Report | **5 days** | **Fri 2/17/23** | **Thu 2/23/23** |
| Write Final Report Summarizing The Research Findings | 3 days | Fri 2/17/23 | Tue 2/21/23 |
| Submit Report To The Appropriate Parties | 2 days | Wed 2/22/23 | Thu 2/23/23 |
| Project Closeout | **3 days** | **Fri 2/24/23** | **Tue 2/28/23** |
| Document Project Results | 1 day | Fri 2/24/23 | Fri 2/24/23 |
| Disseminate Project Results To Stakeholders | 2 days | Fri 2/24/23 | Mon 2/27/23 |
| Close Out Project And Archive Project Materials | 1 day | Tue 2/28/23 | Tue 2/28/23 |

## 2. Logbook

Table 2. Logbook table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Project Logbook** | | | | | |
| **Begin Date:** 3/1/2023 | | | | **Target ending date:** 3/3/2023 | |
| Schedule | | Actual | | Task action list | Problem & Change |
| Begin | End | Begin | End |
| 3/1/2023 | 10/1/2023 | 3/1/2023 | 10/1/2023 | |  | | --- | | Task Name | | Create Schedule Plan | | Create Cost Plan | | Create Risk Plan | | Create Communication Plan | | WBS Diagram | | Gantt Chart | | Throughout this time of the study, our research team had a number of disagreements, but everything was resolved amicably among the participants. The fact that this is the first time the team members have worked together, so that creates a lot of tension, but it also gives them a chance to understand one another and come up with a solution for future collaboration. |
| 11/1/2023 | 6/2/2023 | 11/1/2023 | 6/2/2023 | |  | | --- | | Task Name | | Identify And Gather Relevant Literature | | Identify Data Sources And Gather Data | | Survey Research | | During this stage of the project, we had a number of challenges related to individual work, but the most of them were successfully resolved, and the task was finished on schedule. |
| 7/2/2023 | 16/2/2023 | 7/2/2023 | 16/2/2023 | |  | | --- | | Task Name | | Analysis the research that gather | | **Potential Solution** | | Identify Solution | | Evaluate The Feasibility And Effectiveness Of Solution | | In this phase, we work hard and complete this phase on time. Based on the initialization and research before that completed well. We implemented as planned and completed well |
| 17/2/2023 | 23/2/2023 | 17/2/2023 | 23/2/2023 | |  | | --- | | Task Name | | Write Final Report Summarizing The Research Findings | | Submit Report To The Appropriate Parties | | In this phase, we also completed good and on time, since this phase we just write the report of the project and submit the report document for the board director of the HD company |
| 24/2/2023 | 3/3/2023 | 24/2/2023 | 28/2/2023 | |  | | --- | | Task Name | | Document Project Results | | Disseminate Project Results To Stakeholders | | Close Out Project And Archive Project Materials | | In this phase, we perform well and finished soon with the day that set in the plan. After we write and submit the document report for the board director of the HD company and accepted, so we are easy to perform these task Document Project Results, Disseminate Project Results To Stakeholders and Close Out Project And Archive Project Materials. |

## 3. Evaluation of the research result

Through the logbook that we have set up for 5 weeks of project implementation and after 5 weeks of project implementation, we have received feasible results, as desired and met our goals. proposed for this project. The project has achieved its goals such as recycling old digital devices to reduce the amount of technological waste in the environment and the project contributes to improving the condition of the environment for the better. Through this project, it helps us to have a better awareness of the environment and care for the environment. Besides, in the process of implementing project management, I have learned many things such as planning and management skills, work division skills and risk and conflict resolution when implementing projects. After doing this project, I want to explore more about digital technology and digital devices to understand more about today's digital transformation process and better ways to improve the environment with the goal of extending the project further. Expand the project scope, recycle equipment, and establish a more professional project process on a larger scale. In summary, after 5 weeks of implementing this project, in general, we have achieved what we wanted and received good reviews and feedback on the project with the solution that we came up with. Moreover, we also learned useful knowledge about planning and managing a project.

# IV. Evaluations

My project, which aims to safeguard the environment by collecting and recycling digital devices, has been planned out and executed perfectly after more than 5 weeks. Plans and chores were arranged throughout the time. I made a strategy after deciding to pursue the recycling of used equipment and identifying the activities that must be accomplished for the project to be successful. I started by preparing the project's WBS and scheduling it. I used that WBS to allocate each team member particular tasks that was both time- and person-specific for each stage. I've also particularly provided the spreadsheets for costs and risks. I also conduct qualitative and quantitative research, in addition. This enables me to assess the viability and a broad overview of the interviewees' perspectives. The project can then be perfectly tweaked from there. Happily, all of my preparations and the deadline for the project's completion were met on time, and our project was successfully carried out.

I still have certain weaknesses, though. Firstly, I forgot that I had to set the day off for the members our project was halted by the Tet holiday while I was conducting the specific work division for each member by certain days in Microsoft Project. I had to set and rework the Gantt chart after realizing this. Setting up the Gantt chart for the project took me a while. Secondly, I get difficult in set the survey and interview question. I misunderstood qualitative and quantitative, so I set the wrong questions. However, I have learned more about them and have asked questions that are appropriate for qualitative and quantitative research to support my project.

In conclusion, this assignment taught me how to organize my work so that I would no longer make mistakes when making Gantt charts. I also understand how to properly formulate research questions for both quantitative and qualitative studies. Also, after finishing this project, I understood the critical environmental effects of e-waste and digital transformation. As a result, when the global digital transformation process continues, I will expand this project and undertake many additional projects to help safeguard the environment.

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