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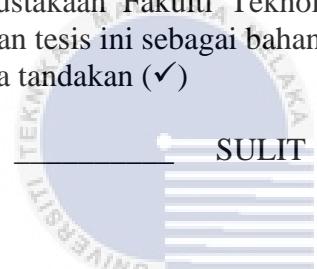
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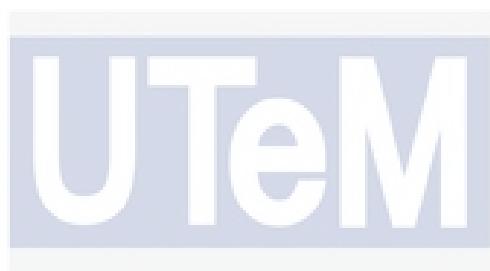
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FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY
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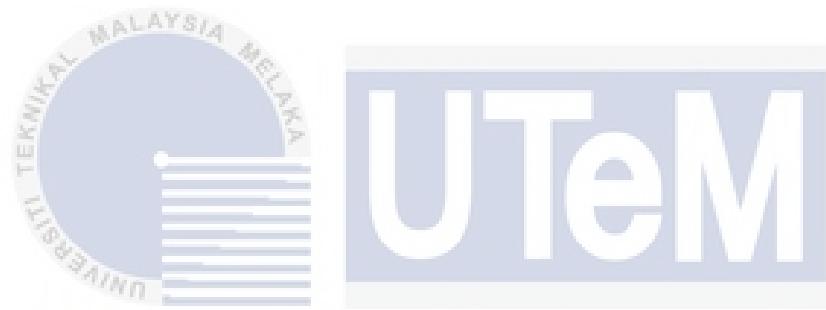
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DEDICATION

To my beloved parents, this study is wholeheartedly dedicated to both of you, who have been my source of motivation and gave me strength when I thought of giving up, who continually provide their moral, spiritual, emotional, and motivation support.



اوپیورسیتی تکنیکال ملیسیا ملاک

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ACKNOWLEDGEMENTS

To begin with, I would like to thank Dr. Noraswaliza Abdullah, my supervisor for giving assistant to complete this project successfully throughout my final year project.

I would also like to thank my beloved parents, Mohd Bilal Jusoh and Nor'Azidah Baharuddin, who have been giving me support and motivation throughout my project and gave respond to my project by giving suggestions and feedback to enhance the outcome of the project.

Apart from that, I would like to thank all my friends, for their support that contribute to my self-development, knowledge, and attitude towards accomplishing the objectives of this project.



ABSTRACT

The purpose of this system is to help people who in need of instant fundraising; be it food, clothes, money, etc. This is where comes the idea to implement donation system that can help many people without having them to go through a complicated procedure. Previously, most donation system have quite a complicated procedure before one can register for fundraise. Therefore, a study on donation system was carried out with a number of objectives begin with identifying system requirements, system design and development. The methodology used in developing this system is Database Life Cycle (DBLC). This system helps in providing a platform to any organization to register their own campaigns without having them to do a door-to-door donation manually. Other than that, this system also displays progress of the campaign which donor can see the campaign's progression in real time. As a result, the findings that have been gathered will be used to achieve the objectives of this system. One of the project's significance is it can overcome the difficulties in giving donation to the preferred campaigns because it can be done online and minimize movements as it is no longer has to do on-door envelope collection. The last chapter explains in details the conclusion of the system and its completion and performance for future use.

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ABSTRAK

Tujuan untuk sistem ini adalah untuk membantu mereka yang memerlukan pengumpulan dana segera; sama ada makanan, pakaian, duit, etc. Disini dimana idea untuk membangunkan sistem derma yang dapat membantu ramai orang tanpa mereka perlu melalui prosedur yang ketat. Sebelum ini, kebanyakan sistem derma mempunyai prosedur yang ketat sebelum seseorang boleh mendaftar untuk pengumpulan dana. Justeru itu, satu kajian tentang sistem derma telah dilakukan dengan beberapa objektif bermula dengan mengenalpasti keperluan sistem, reka bentuk sistem dan pembangunan. Metodologi yang digunakan dalam membina sistem ini adalah “*Database Life Cycle*” (DBLC). Sistem ini membantu dalam menyediakan platfom kepada mana-mana organisasi untuk mendaftar kempen mereka tanpa perlu mereka melakukan derma “*door-to-door*” secara manual. Selain itu, sistem ini juga menyediakan paparan kemajuan kempen yang mana penderma boleh melihat kemajuan kempen dalam waktu sebenar. Hasilnya, penemuan-penemuan yang dikumpulkan akan digunakan untuk mencapai semua objektif di dalam sistem ini. Salah satu daripada kepentingan projek ialah ia dapat mengatasi kesukaran dalam memberi derma kepada kempen terpilih kerana ia boleh dilakukan secara atas talian and mengurangkan pergerakan kerana ia tidak lagi perlu membuat kutipan sampul secara depan pintu. Bab terakhir akan menjelaskan secara terperinci kesimpulan sistem dan penyelesaiannya dan prestasi untuk kegunaan masa hadapan.

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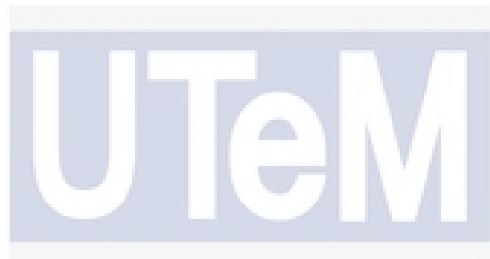
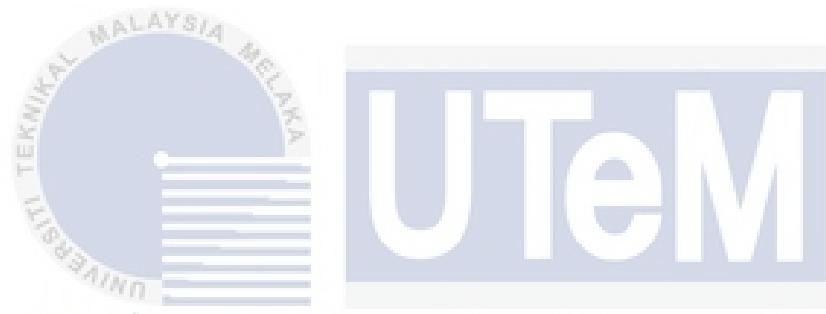
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LIST OF ABBREVIATIONS

FYP	-	Final Year Project
NGO	-	Non-Governmental Organization
VG4U	-	Virtual Gift4U

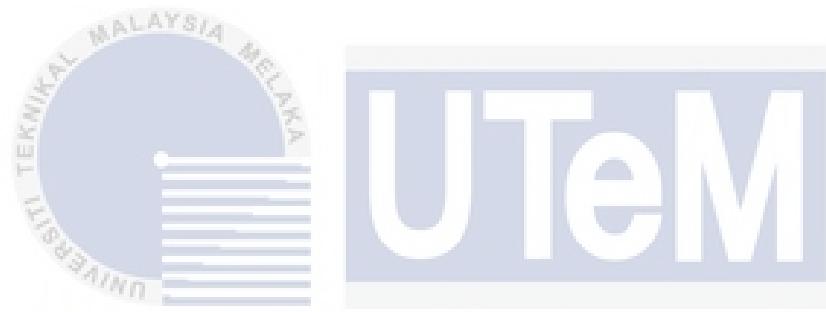


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LIST OF ATTACHMENTS

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Appendix A	Coding for login and profile page
Appendix B	Survey Form for User Testing



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CHAPTER 1: INTRODUCTION

1.1 Introduction

The COVID-19 pandemic has changed how normally people live. With all countries started to close their borders from outside worlds, we can see many people have been affected by this outbreak. As the previous years, we still can go to anywhere inside or outside of country freely. But, since COVID-19 outbreak, none of those are happening.

Most companies start to implement a new procedure which requires their staffs to work from home. No more physical contact between each other. So, a new opportunity is seen as we started to live in new norms and need to adapt to a new way of life. More technologies solved many problems which everyone has to scan a barcode before entering any premises, always keep our hands clean by using sanitizers, and people are encouraged to pay everything in cashless.

A new idea has been made and is suitable to be used during this pandemic. The idea is to develop a website system for donation purposes. Virtual Gift4U.com is a website for people to donate money to the registered campaigns. As many organizations are making a big effort to collect donations, it is quite costly and inefficient for the organization to do on-door envelope collection. This website also has a list of non-governmental organization so that people who access this website can check out and contact them if interested. Virtual Gift4U.com makes it easy for donors out there that wish to donate their money as it has all the latest campaigns that helps the campaigns to reach the maximum target.

1.2 Problem statement

Many organizations provide a door-to-door collection service for donations. However, this is not an environmentally friendly. This has caused unorganized data of information related to donor's information.

The donation is done manually by donors so they have to be aware of the campaign in order to donate weekly. This problem caused donors to set a reminder so they can be reminded with the donation.

Donor will not be getting any updates from the organization or individual campaign if the campaign's fund has been successfully raised.

1.3 Objective

The objectives of the project are:

- a. To provide a platform for all campaigns that need a fundraise. As the system is fully automated, it does not require any human efforts in raising a fund. This will prevent unorganized data in donor's information.
- b. To help donor in donating their money efficiently. Donor can donate online and will be receiving notifications related to the donation.
- c. To produce summary reports on donation for the fundraise or campaigns.

1.4 Scope

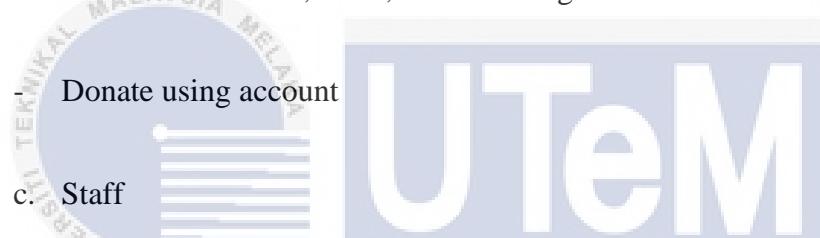
The scopes of the system for each user are:

- a. Manager
 - Login (using valid login credentials)

- Approve campaign that is created by staff
- View user's suggestion for website improvement
- Generate donation reports

b. Donor

- Login (using login credentials)
- View their details as user
- Update profile account details
- View all donations, news, and NGO registered on the website



- c. Staff
 - Register donation (They can register the donation and wait for manager approval)

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- View donations, news, and NGO that they created
- Manage donation (They can edit details and amount limit of the campaign)
- Update donation status (Update status of donation once it is done)

1.5 Project Significance

Virtual Gift4U.com can overcome the difficulties in giving donation to the preferred campaigns as it can be done online. This system can help donors in saving times and minimize movements because with this system, organization or individual have no longer to do on-door envelope collection.

At the same time, carelessness can be avoided if the donation money is lost or been illegally used. Donors can directly donate to the respective campaigns. Organization will have an easier access to the donation money as it does not involve middlemen.

1.6 Expected Output

- a. A website that enables donation of money and manage donation efficiently.
- b. Accurate summary report which related to fundraise and campaigns which help small organizations who are in need in raising their fund through campaign.

1.7 Conclusion

In conclusion, this chapter explained about the background, problem statement, objectives, scopes, project significance, and expected output of Virtual Gift4U.com. Next, Chapter 2-Project Methodology and Planning presents the project plan and methodology that will be used to attain the aims as stated in this chapter.

CHAPTER 2: PROJECT METHODOLOGY AND PLANNING

2.1 Introduction

This chapter will discuss about the review of existing donation systems and project methodology and planning. In the review section, the focus will be given to each of the system's advantages and disadvantages. Comparison of each system's features will help to identify the best approach to achieve the project goal based on the study. In the project methodology and planning section, it will focus more on deciding which type of database management technique to use on the project. This will ensure if the system is efficiently built and reduce the risks.

2.2 Review of available donation system

Table 2.1 shows the comparison of the existing donation system. The table highlighted the advantages and disadvantages of each system.

Table 2.1: Review of available donation systems

System	Description of the system	Advantage	Disadvantage
Mercy.org.my	An organization that provides humanitarian assistance and program in crisis and non-crisis situations.	Provides donation requests, zakat, and volunteer works.	Do not have one area of specialty.
Simplygiving.com	An organization that provides the right online tools and	Provides registration for fundraising,	Only focus on providing a platform for