

UNIVERSITI TEKNOLOGI MARA

**MyAbility: WEB PORTAL FOR
DISABLED STUDENT IN UiTM**

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**Thesis submitted in fulfilment of the requirement
for**

**Bachelor of Information Technology (Hons.)
Faculty of Computer and Mathematical Sciences**

December 2019

ACKNOWLEDGEMENT

All praises to Allah because of His Almighty and His utmost blessings, I was able to complete my Final Year Project (FYP) in semester March 2019 – September 2019 within the time given. This research proposal has been successfully completed although there has been up and down since start the research process. Firstly, I would like to express my humble and sincere gratitude towards my supervisor, Puan Zatul Amilah Binti Shaffiei for trusting me, giving me the guidance and information throughout the whole supervision process in completing the research. She has guide me from the beginning of research project and her comment help me in making of report and her opinion gave me a lot of ideas. Without her, I could not be able to finish my proposed research successfully. Next, I would also like to extend my special thanks to my Final Year Project lecturer, Dr. Emma Nuraihan Binti Mior Ibrahim as my CSP650 lecturer and Dr. Wan Abdul Rahim Wan Mohd Isa as my CSP600 lecturer for all the comments and feedbacks that helped me to improve my research in many ways. Moreover, I would like to convey my gratitude to my examiner, Dr. Nor Hayati Abdul Hamid for her comments and feedbacks regarding this project. Lastly, my special appreciation also goes to my beloved parents and friends who never give up to give a lot of emotional support and prayers for me throughout this project. May all this great people bless with peace and happiness.

ABSTRACT

There are several categories for people with disability which is physical, visual, hearing, learning disability, speech, mental and multiple disabilities. UiTM has approved a policy regarding student with disability based on 5 principles which are inclusivity, accessibility, equity, flexibility and equivalence. Web accessibility is a degree that the web is accessible to as many as possible user. There is no proper platform for disabled student to access information about disability in UiTM Shah Alam and lack of information consistency among the disabled students. Therefore, the purpose of this project is to identify user requirement, design and develop myAbility web portal for disabled student in UiTM. In addition, this web portal provides informational content through the web portal and make the web portal accessible by student with disability. Target user of this web portal is disabled student in UiTM Shah Alam. The language used in the web portal is English and the development of the web portal is until testing phase. PHP with Laravel framework and MySQL are used as a software to develop the web portal. Disabled student be able to view important announcement, submit financial allowance request, hostel application assistance, use accessibility tools and chat with staff. Furthermore, this web application also allows disabled students able to access information just in one platform and directly communicate with staff. Based on the user testing results, the user stated that the text alteration function and contrast are properly function as expected. Few improvements should be made which are adding more accessibility features as well as provide more services. Overall, there is no doubt that this web portal will be beneficial to disabled student. The methodology used to develop the system is the Web Development Life Cycle (WDLC) because it is an appropriate approach that can be used to quickly develop a web-based system in a structured manner. For future work, this project can be enhanced by developing the system for a mobile application platform (iOS and android).

Keywords: Web Portal, Web Accessibility, Disabled Student, Laravel, Web Development Life Cycle (WDLC).

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CHAPTER 1

INTRODUCTION

This chapter provides an explanation about background study of proposed project. This chapter consists of project background, problem statement, objectives, project significance and limitations, and features of the project.

1.1 Background of Study

Number of people with disability has been increasing in Malaysia every year. According to Department of Social Welfare in their annual report, there are 409, 269 disabled people registered in Malaysia in 2016. There are several categories for people with disability which is physical, visual, hearing, learning disability, speech, mental and multiple disabilities. Category with highest number of people registered is physical category with 34.8 percent, followed by learning disability category with 35 percent. The category with lowest number of people registered is multiple disabilities with 0.5 percent (Department of Social Welfare, 2016). Person With Disabilities Act (2008) define people with disabilities as “those who have long term physical, mental, intellectual or sensory impairments which in interaction with various barriers may hinder their full and effective participation in society”.

In Malaysia, there are a number of non-profit organizations and government departments offering services to people with disabilities. The Act guarantees access to public amenities, travel and entertainment, leisure and sports activities for the disabled. Building by-laws have been revised as part of the Act, making it mandatory for buildings to provide access and services to people with disabilities. In the case of existing buildings, they will be given three years to make the required changes to comply with these new requirements.