

UNIVERSITI TEKNOLOGI MARA

**CAR PARKING AISLE LOCATOR BASED ON QR
CODE TECHNOLOGY ON MOBILE PLATFORM**

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JULY 2020

ACKNOWLEDGMENT

My utmost gratitude goes to the Almighty for the blessing for allowed me to complete this proposal for the subject (CSP600 – Final Year Project) in the time given. The purpose of this project is to fulfill the requirements for the Bachelor of Science (Hons.) Netcentric Computing, UiTM.

A lot of thanks to everyone that involve directly or indirectly especially my supervisor, Madam Noorhayati Binti Mohamed Noor for her guidance, support and continues encouragement in my way to complete my proposed research (Car Parking Aisle Allocator Based on QR Code Technology on Mobile Platform).

Lastly, my sincerest thanks to my beloved parents that always give moral support during my whole way to complete this proposal without them it will be very difficult for me.

Abstract

Car Parking Aisle Locator Based on QR Code Technology on Mobile is a development of the mobile application which will be used by shopping mall consumer. It was observed that shopping mall consumers always faced a problem when they try to look for their vehicle in the huge parking lot that has in the shopping mall. The objective of this project is to help solve the problem such as returning to their vehicle after returning from shopping and ease the user of this mobile application. In this project Agile methodology is used as the development methodology. The Firebase Database is used for the database and Flutter framework for the development of the mobile application. This project will help shopping mall consumer that always have a problem when trying to look for their vehicle in the huge parking lot.

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Chapter 1

Introduction

In chapter 1, the project background will explain about the general view of the research title and correlation with the current technology. The problem statement will be provided with the objectives and focus to achieve the goal of this project. Scopes will be list as guidelines to avoid deviating from the goal of this research. Significant is also highlighted in this project to give benefits to the community.

1.0 Project Background

The hypermarket industry in Malaysia has created a large momentum for contemporary retailing concepts and this industry has been growing impressively (Hassan, H., Bakar Sade, A. and Sabbir Rahman, M., 2013). The shopping mall or hypermarket has become a significant shopping, social interaction, and entertainment destination, where it had given a major impact on retail strategies and the retail landscape in numerous countries including Malaysia (Ahmed, Z., Ghingold, M. and Dahari, Z., 2007). The shopping mall does not only attract the youngster but also the elder as it serve as a place for purchasing goods or services and social avenue. As the size of the hypermarket grow, so thus their parking area as to serve the shopping petron. The huge parking lot might give some difficulties for some consumers to remember where the slot that they had used. Unlike traditional street centers that accommodate both locals and visitors using different transportation modes, shopping malls, especially those located outside downtown areas, rely heavily on private locomotion.