Universiti Teknologi MARA

UiTM Jasin Navigation System

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UiTM JASIN NAVIGATION SYSTEM

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This thesis was prepared under the supervision of the project supervisor, Nor Azida Mohamed Noh. It was submitted to the Faculty of Computer and Mathematical Sciences and was accepted in partial fulfilment of the requirements for the degree of Bachelor of Computer Science.

Approved by

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Nor Azida Mohamed Noh

Project Supervisor

JANUARY 3, 2020

STUDENT DECLARATION

I certify that this thesis and the project to which it refers is the product of my own work and that any idea or quotation from the work of the other people, published or otherwise are fully acknowledge in accordance with the standard referring practices of the discipline.

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ABSTRACT

UiTM Jasin Navigation System is a system that can help user to get a bigger picture of UiTM Jasin. People often use signboard to get the direction, also by asking another people around that sometimes can lead to dead end. If they reach on that particular building, they are having trouble to search for indoor room. This system is like campus navigation that focus and specified only in UiTM Jasin campus compound. One of the function of the system is it introduces every single building on the campus to the user. The system is using mobile application as platform because it is easier to use as people nowadays use smartphone on the daily basis. For the methodology, this system is using System Development Life Cycle (SDLC) method. It is a common method used by developers to develop a system. This project is using Waterfall model life cycle as the model method. After the system is fully developed, it is ready to be tested. Some type of testing was performed on the system to test the system functionality testing and usability testing. The result of usability testing is 87.86 which is considered as grade A. It is also to detect if there is any error, bugs, or defect that need to be fixed. In the future, this system may can be enhanced by using different type of technique such as augmented reality (AR) that give user real world situation navigation or perform another type of testing to give better performance for the system.

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