DEVELOPMENT OF FACULTY NAVIGATION AND CLASS LISTINGS MOBILE APPLICATIONS: CLASS ROUTE

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ABSTRACT

Development of Faculty Navigation and Class Listings Mobile Applications: Class Route

This navigation application development project was created with the goal of identifying and studying the latest technology of geospatial navigation applications in development, as well as developing an area level application to find the local location (class) of directions around the UiTM Seri Iskandar area. According to current technology, there are now many connections between the outside world, which now has Google Earth, Waze, and so on that can solve the problem of going to a location, even now with the creation of this application, it is generally directly studied in relation to navigation that can provide continuity in geospatial technology itself and bring to life and directly be able to introduce advanced technology. in the realm of geospatial involving location and coordinates specifically for a place or institution that is UiTM Seri Iskandar itself by looking at the challenges encountered in the university area to reach the location in greater detail and readily. This drew the attention of UiTM students to the importance of geographical data and the potential of today's technologies. As a new program and a question mark, individuals who are unfamiliar with geospatial technology will be looked up to and made more aware of the magnificence of geospatial technology by other students who are enjoying their respective programs. This application was created as the subject of coding was studied. The application was written in Java using Android Studio, starting with the top page and progressing to a direction map to the desired place. This program necessitates a parallel concept with the suitable and acceptable coding language that is required to be an application in the selected application that has been separated into classes based on the faculty and classroom number. During this phase, do not avoid the first task, which is to collect data from each faculty that will be used to create the product of this project. The aims and challenges encountered can be successfully and satisfactorily addressed at the conclusion of this project.

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As high as appreciation and infinite gratitude to Allah SWT, who is magnificent and merciful. because with his permission and blessing, this end-of-year project will be accomplished and run successfully if he is in the final universe as a geospatial technology diploma student. The project contains 1001 written and implied meanings. Throughout my journey as a student, from the last two years to the last universe before going to the intern, my group mates and I are very proud of our accomplishments and success in bringing a development from geospatial technology from the outside by creating a navigation application that is class route where this application. This project appears simple, but the idea we want to convey is to demonstrate to pupils the magnificence and relevance of geospatial technology, which will evolve swiftly in the future. Throughout my journey as a student from the last two years until the last universe before going to the intern, my group mates and I feel very proud of our achievements and success in bringing development from geospatial technology from the outside by creating a navigation application that is class route, where this application in brief, the source is comparable to Waze, among other things.

This project appears simple, but the idea we want to convey is to demonstrate to pupils the magnificence and relevance of geospatial technology, which will evolve swiftly in the future. While discussing this application, I am humbled and grateful to the family supporters who provided many recommendations and precise motivation and enthusiasm in seeking knowledge, and who have now succeeded in creating a tool that may be the beginning of a legacy in this major. Various types of laughing were also felt as my buddies and I witnessed the ups and downs for the fulfilment of our mission. Not to mention, we'd want to express our heartfelt gratitude to the Universiti Mara Technology (UITM) for making this possible. Many thanks to our supervisor, Sr. Miss Halina binti Hashim, who provided us with most of the advice and guidance we needed to perform our best and improve during our final year assignment. We are filled with humility and gratitude for having such wonderful friends and instructors throughout the preparation and delivery of this course and project. We are honoured to have a talented friend who truly wishes to thank Muhamad Akif, and Muhammad Irfan for

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CHAPTER 1

INTRODUCTION

1.1 INTRODUCTION

In UiTM Seri Iskandar's fast-paced and busy environment, finding a suitable class or destination on campus can be a journey. In addition, with the entry of new university students every year who do not know which direction they want to go. Recognizing this challenge, we present Class Route, an innovative application designed to change the way students navigate the academic landscape. More than just a navigation tool, Class route smoothly integrates advanced technology by showing students' routes to their respective classes successfully as well as lecturers and old students who sometimes differ according to faculty and course who change classes at each new university entry. following the current era of technology in which people want complex work as well as visually appealing graphics to provide a user-friendly and charming experience for all groups who are at UiTM Seri Iskandar. In an era dominated by technological advancements, the landscape of travel and navigation is constantly evolving. During this transformation, the UiTM Seri Iskandar area emerged as a focal point, signaling modern solutions to enhance the experience to take advantage of geospatial technology. in the creation of a navigation application for UiTM Seri Iskandar's student facilities includes a combination of students from the Department of Architecture that is in line with today's construction technology.

This project begins a journey to revolutionize travel in UiTM Seri Iskandar through the lens of innovative navigation solutions. Investigate the intersection of technology and class exploration around, exploring the creation of navigation applications adapted to the unique contours of this lively area with a variety of construction-related resources. By harnessing the power of digital mapping, real-time data integration, and user-centric design, the effort seeks to redefine the way students and visitors navigate the charming streets and hidden gems at UiTM Seri Iskandar.