

Universiti Teknologi MARA

**UiTM Vehicle Management System
(UVMS)**

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ABSTRACT

Unit Kenderaan is a leading provider of transportation facilities for all indoor and outdoor activities. Apart from the students and staff of UITM Shah Alam, Unit Kenderaan also helps students and staff of UITM branch campus, especially in Sabah and Sarawak coming by plane or require services in Shah Alam. Unit Kenderaan carries the responsibility to provide the transport facility to students and staff systematically through campus vehicle to ensure effective and efficient service. Currently, in order to apply for the transport from Unit Kenderaan, the applicant has to reserve the vehicle manually. First they have to fill in the form and submit it at the counter. Two days after submission, the applicant has to confirm for the approval of the application at the counter. If the application is rejected, the procedure need to be repeated again. Since this procedure seems to be so complicated, UITM Vehicle Management System (UVMS) has been developed. UVMS is a web based application that uses online booking system which is believed will increase the efficiency and productivity of current system used for transportation reservation at Unit Kenderaan. In developing this system, project methodology framework based on rapid application development (RAD) model is applied. RAD employs the construction of prototypes which is divided into four phases starting with requirements planning, user design, and construction and finally ends with cutover. Requirements planning comprises of the problem identifying, data collection, plan project execution duration and identification of user requirements. Next step is user design where database and interface are designed based on user requirements. The construction phase involves the development of UVMS using PHP as programming language and MySQL as database. Finally the UVMS is demonstrated in the cutover phase. The development of UVMS requires hardware tools consist of windows 7 ultimate, MySQL, PHP, adobe Photoshop and others that will be described in analysis and discussion section. Further details and explanation of UVMS are described briefly in this report.

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CHAPTER 1

INTRODUCTION

1.0 Background of Study

In August 1999, the 4th Prime Minister of Malaysia, YAB Dato' Seri Dr Mahathir Mohamad announced the change in name of ITM to Universiti Teknologi MARA (UiTM). With such acknowledgement from the government, a major restructuring exercise was carried out in order to consolidate the University's resources for optimum productivity.

UiTM aspires to be world class in all its endeavours and forges ahead in a direction that is in tandem with the latest developments in the world. As UiTM moves forward, it remains focused on academic excellence, innovation, socio-economic goals, worldwide accreditation, globalisation and new technologies in order to contribute to industry and national development.

With the development to achieve world Class University, UiTM has established and introduced a lot of department to manage UiTM itself. Unit Kenderaan is one of the departments that provide transportation facility either for UiTM or non UiTM events. Besides student and staff at UiTM Shah Alam, Unit Kenderaan also helps students and staff from other UiTM branches especially Sabah and Sarawak which is came at UiTM with flight or need some services around Shah Alam.

The main responsibility of Unit Kenderaan is to give systematic transportation services to students and staff through campus buses with assurance of services that is effective and efficient. Bus services are available from 7.00 a.m. to 11.00 p.m. daily. Services for UiTM official vehicles are made through reservation and follow with the availability of that vehicle (Hal Ehwal Pelajar, 2010). The activities of Unit Kenderaan include giving bus campus services at UiTM Shah Alam, controlling the reservation of vehicles and scheduling the vehicles every day.