

**Universiti Teknologi MARA**

**Driving Test Management System**

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## **ABSTRACT**

Driving Test Management System is a system being developed to facilitate Road Transport Department (JPJ) the operation of the driving license test. Driving license test procedures in Malaysia currently run manually where is using form system. This project built to smooth running of the driving license test process where is in this system, the JPJ Officer only need to access the driving license test system on smart phone for replace form system. Using this system, process of driving test quite faster than manually because the JPJ Officer only tick on checklist application. Then, the system will generate marks and automatically all data of results will be record on database. While Driving Test Management System also developed to facilitate Staff Driving School manages of the candidate where this system is involves the process of registration process, driving license test process and driving license test result process. Besides that, this system provided service for the driver class license D and B2. This system adopts Waterfall model in its development. The technologies for developed system use Ubuntu 14.04 while the framework used in this system is Yii2.0. The PHPmyAdmin as a database and Sublime is a source code editor. In future, it is hoped the driving test process will be based on this system.

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# CHAPTER 1

## INTRODUCTION

This chapter provides the background and rationale for the study. It also gives details of the problems that led to this research, objective of study, scope and significance of the project.

### 1.1 Background Study

A Driving Test is a procedure designed to test a person ability to drive a vehicle. In addition, a driving test generally consists two parts where is the practical test or called a road test and the theory test.

The Driving Test Management System is a computerized management system for the Road Transport Department (JPJ) and driving school. This application is to be used by LITAR Memandu Machang and the JPJ Machang, Kelantan. This system involves the process of registration process, driving test process and driving test result and also this system only provide service for the driver class D and B2. Driving test for class D can be divided into three where is part I, part II and part III. Driving theory test is a part I of the driving test. The candidates will take of the driving theory test of the online that service have been provided by driving school. Hence, the Driving Test Management system does not produce for the JPJ Machang and LITAR Memandu Machang because this service already has. Besides that, part II of the driving test is manual car test. Manual car test includes routine vehicle inspections test, routine before driving test (RSM), movements in bends 'S' test, movements in bends 'Z' test, slope test, parking test and three point turn test. Passing score for part II is 56 over 70 or 80 percent unless the offense mandatory. While part III of the driving test is manual and automatic cars test includes routine before driving test (RSM), start driving test, driving on a straight road test, driving at intersection test, driving on bends test and driving in circles. Passing score for part II is 64 over 80 or 80 percent unless the