



MOUNT KENYA UNIVERSITY

SCHOOL OF PURE AND APPLIED SCIENCES

DEPARTMENT OF INFORMATION TECHNOLOGY

PROJECT TITLE:

PRESTIGE CAR PARK MANAGEMENT INFORMATION SYSTEM

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1 CHAPTER ONE

1.0 INTRODUCTION

Car park management information system refers to a system that is used to manage information or data in car parks. Car parks handles vital information and data that needs to be properly managed to help car park owners make better decisions and give them a better competitive advantage over their competitors. Such information includes: employees' data such as names, Id numbers, Age, gender etc. Car parks also stores information about parking spaces for example occupied spaces, un-occupied spaces, parking duration, parking fees, parked vehicles and their No. plates. Apart from that, they also keep information about their customers e.g. names, gender, type of car owned etc.

However, most car parks have not yet embraced technology in their area of operation hence leading to poor information management. The car park management information system helps the car park owners to efficiently manage car park related information or data by ensuring that information is well stored and easily accessed whenever needed.

1.1 BACKGROUND INFORMATION

Car park refers to an area purposely reserved for vehicle parking. Due to increased demand and buying of vehicles worldwide there is increased demand for car parks especially in towns. However, with such an emerging business opportunity, the government and entrepreneurs have decided to set up car parks to meet the growing demand for car parking services. Most car parks are found, in market centers, shopping malls, restaurants, churches and working places. Therefore, car parks are either private or state owned. In most car parks space is allocated to customers who park their vehicles in such areas at a fee depending on the duration of parking, type of vehicle etc.

Nevertheless, in most car parks there is congestion of vehicles, poor space utilization and reservation to customers. This is due to poor space allocation, reservation, monitoring and management of the entire car parks. However, all car parks process different kinds of data and information which are vital in the day-today car park operations. For example, most car parks