

MOUNT KENYA UNIVERSITY

**SCHOOL OF PURE AND APPLIED SCIENCES
DEPARTMENT OF INFORMATION TECHNOLOGY**

PROJECT TITLE: HOSPITAL MANAGEMENT INFORMATION SYSTEM

(Case study Maua Methodist hospital)

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This project is submitted in partial fulfilment of requirement for the Mount Kenya University award of BACHELOR OF BUSINESS INFORMATION TECHNOLOGY

CHAPTER ONE: INTRODUCTION

1.1 BACKGROUND INFORMATION

Maua Methodist Hospital is a place where Patients come up for general diseases. The Hospitals provide Facilities like:-Consultation by Doctors on Diseases, Diagnosis for diseases and providing treatment also the hospital provides Facility for admitting Patients (providing beds, nursing, medicines etc.) and Immunization for Patients/Children. Among other services to the community.

Various operational works that are done in the Hospital are:-Recording information about the Patients that come and Generating bills for them, Recording information related to diagnosis given to Patients, Keeping record of the Immunization provided to children/patients and Keeping information about various diseases and medicines available to cure them

The project is for the automation of Maua Methodist Hospital Management. Maua district hospital is situated in Maua town. The main aim of the hospital is serve the populace of the town and its environs. The hospital has employee who include the nurses, doctors, clinical officers and other casual laborers. The hospital has been in operation since 1970 under the sponsorship of American government in collaboration with the Kenyan government. Since this time the hospital has grown to level five which means it has more equipment and a bigger population to serve this is the reason the hospital will need a system that will help in delivery of good quality services. The system maintains two levels of users:-

- Administrator level-doctor
- User Level-data entry operator

The project system includes doing of activities like:-

- _ Maintaining Patient details.
- _ Providing Prescription, Precautions and Diet advice.
- _ providing and maintaining all kinds of tests for a patient.
- _ Billing and Report generation and a receipt

1.2 Statement of the Problem

With the current conventional system, the information is very difficult to retrieve and to find particular information like to find out about the patient's history, the user has to go through various registers. This