

**CCS 323 : GROUP PROJECT**

**TITLE : MEDICARE**

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A project report submitted in partial fulfillment of the requirement of the bachelor of science in computer science.

# **DECLARATION**

We the undersigned, do hereby declare that this project is our original work and to the best of our knowledge it has not been presented to any other examination body.

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The project report is hereby presented for examination with the approval of the project supervisor:

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**ABSTRACT**

The medicare project explores the relevance of management systems to the contemporary society where computers have made tasks easier, more efficient and organized. Medicare system is a planned system of the storage processing and dissemination of data around the hospital in the form of information needed to carry out various functions which come to simplify the tiresome manual way of physically having to visit the hospital, reporting and writing the details on papers.There is need for an automated doctors’ appointment management and emergency handling system that can be used to store all records in a centralized database which should replace the manual system that is currently being used. The manual system has few challenges that include the ever increasing paper load, difficulty in enforcing access control as well as cases of missing files and information.

The scope of the project cuts across administrators and 2 types of clients;hospitals and other patients.

The research methodology used in this project was System development life-cycle, using waterfall method simply because the project was small and there are no uncertain requirements. At the end of each phase, a review takes place to determine if the project is on the right path and whether or not to continue or discard the project. Use-case diagrams and activity diagrams also helped in coming up with the database class diagram which we used to develop the database.

# **ACKNOWLEDGEMENT**

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# **CHAPTER 1: INTRODUCTION**

**1.1: INTRODUCTION**

Healthcare is one of the basic human needs that should be readily affordable to every person in an efficient way but most of the time people visiting health center do not receive a standard service.The problem is mainly attributed to the long waiting hours and poor communication between the patient and health providers.

Our project aims to solve the this two main problems by providing a system that gives a better way of getting doctor appointments and communicating with health provides to acquire medical advice efficiently.

## **1.2:BACKGROUND STUDY**

In the technological advancement bid, computers have greatly contributed to the simplification of the way things are done and in return have contributed to the automation of the various activities that take place in and around our day to day activities. According to the way technology has been advancing and evolving, the use of computer and internet technology is slowly replacing some aspects of tedious paper work which can be implemented by using an online automated system. Now that many systems have been automated in Kenya, the health sector should not be left behind. Many systems so far have been developed in relation to medical issues. Software such Microsoft excel are being used to store medical records, but no system has been made to automate the record of medical appointments made by patients and emergency handling. The overall objective of this proposal was to develop an application that is sufficient to automate the medical appointment and emergency handling system.

## **1.3:PURPOSE OF STUDY**

**1.4 OBJECTIVES**

We hope to solve the following problems with the project:

1. Reduce waiting times in hospitals by providing a better system to schedule doctors’ appointments.
2. Provide a better system to deal with health emergency by allocating doctors in real time for the emergency.
3. Encourage patients to seek medical attention by providing a way to seek medical advise anonymously.
4. Provide a system that saves patient and doctors time by providing a way for medical inquiries without visiting a health center.
5. Provide a system for faster response to medical emergencies by allocating ambulances automatically when an emergency is reported
6. Provide a door to door health service.

**CHAPTER 2: SYSTEM ANALYSIS**

**CHAPTER 3: SYSTEM DESIGN**

# **CHAPTER 4: SUMMARY AND CONCLUSION**

# **REFERENCE**

# **APPENDIX**