



**TECHNICAL UNIVERSITY OF KENYA**  
**FACULTY OF APPLIED SCIENCES AND TECHNOLOGY**  
**SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY**  
**DEPARTMENT OF COMPUTER SCIENCE AND INFORMATICS**

**PROJECT TITLE PRESENTED BY:**

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**PROPOSAL SUBMITTED TO THE SCHOOL OF COMPUTING AND  
INFORMATION TECHNOLOGY IN PARTIAL FULFILLMENT FOR THE  
BACHELOR OF TECHNOLOGY IN INFORMATION TECHNOLOGY  
PROJECT OF THE TECHNICAL UNIVERSITY OF KENYA**

**SUBMISSION DATE:**

## **DECLARATION**

I declare that this project work as presented in this paper is my original work and has not been presented anywhere else for any degree, diploma or award.

Signature:

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Date:

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**Approval**

## **ACKNOWLEDGEMENT**



## **LIST OF TABLES**

## **LIST OF FIGURES**

## **ABBREVIATIONS**

## **CHAPTER ONE: INTRODUCTION**

### **1.1 Introduction:**