**CHAPTER ONE**

**INTRODUCTION**

* 1. **Background to the study**

Electronic messaging (including email,instant messaging and sending an SMS) will aid in teaching, learning, research, communication and administration in any tertiary institution when employed.

The need of a departmental electronic messaging requires attention to address the urgent need of

Computer science student and the regard for the demands of efficiengy and professionalism in information dissemination within the department (Bellmen, 2010). Adding text messaging functionality to mobile device began in the early 1982, requesting that,” The services and facilities

offered in the public switched telephone networks and public data networks should be available in the mobile system. This plan included the exchange of text messages either directly between mobile

stations, or transmitting via message handling systems is used at the same time. The SMS concept was developed in the Franco-German GSM cooperation in 1984 by Fried helm Hillebrand and Bernard Ghillebaert. The GSM is optimized for telephony, since this was identified as its main

application. The key idea for SMS was to use this telephone-optimized system, and to transport

messages on the signaling paths.

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5. To compare existing system with the proposed system

**1.4** **Significance of the Study**

Significance of the study includes the following;

1.This research is of significance to the department of computer science helping them see the need for an SMS portal and its application.

2. It will help end users in providing a better means of sending timely information to students and staff with just one click.

3. The study is a significance to other departments, organizations or establishment who wish to disseminate their message in this form.

4. The study will expose programmers and web designers on the design of SMS portals using API and the suitable means of tackling such tasks. This study will trigger further study on the topic by other students.

1.5 Scope of the Study

The scope of this research covers development of a departmental messaging system (bulk SMS portal) using API with reference to department of computer science as a case study. It focuses on the HOD, lecturers to send instant messages to students and staffs effectively and timely.