

# CHAPTER I

## INTRODUCTION

### 1.1 Project Background

Mentoring is the practice of helping and advising less experienced people especially as part of official programs in universities, companies, etc. Mentoring can provide valuable support for students at critical points in their academic and personal lives. In life students need a mentor to help them in the areas they need to improve, to develop their personal and professional growth. In the standard form of tutoring, students schedule an appointment with an assigned mentor.

In the case to reduce student mentoring issues, the authors automate the so-called Mentoring Chat bot using Android. This technology solution can be useful not only for mentoring students but also for prioritizing time effectiveness towards other key issues and other important tasks. According to our research, found the following Bots which also provide approximate answers to existing problems.

This College student program suggestion chat bot can provide appropriate responses to users requesting details of student views. In addition there is also a 'Smart Career Counseling Bot'. It proposes an intelligent chat bot system for career counseling, which will help users in choosing the right career by providing appropriate responses to user requests. By analyzing these bots, conclude that there is no system that can act as virtual mentors and students whenever needed.

## **1.2 Problems Statement**

In a university there is a mentor to help each mentee in dealing with problems/tasks during college. When it comes to assignments and anything else, the mentee always contacts the mentor after office hours, while after office hours, mentors are usually busy with their families. Therefore, the mentor cannot reply to the mentee messages and calls. Meanwhile, during office hours, mentors are sometimes in class teaching, attending meetings or holding certain events. So they cannot reply to messages from the mentee. Sometimes the mentee will ask the same questions such as what is the contact number for a particular department, when the exam schedule is distributed, when is the release of exam results, when is the mentoring meeting and other things related to academic issues. Mentors should take the time to answer the same questions to different students. It is not effective.

### **1.3 Objectives of Study**

The main purpose of this research is to make it easier for mentees to contact their mentors to ask questions. The aim of this research is:

1. To provide a platform for students to post any inquiries when the mentor is not available.
2. To receive faster answer regarding any issues whenever they need it.
3. To provide answers for any common questions asked by students.

### **1.4 Scope**

#### **System Scope:**

1. This system is based on android.
2. This android chat bot mentoring system only focuses on mentee questions submitted to their mentors through the chat bot mentoring application
3. The features in this application include login, register, chat and logout features
4. Furthermore, there is a response back feature to the mentee which is answered via chat bot

#### **User Scope:**

1. User can register account and login.
2. Users can ask questions to mentors via chat bot.
3. Users can see the replies answered via the chat bot application.

#### **Admin Scope:**

1. Admin can see many users who signed up
2. Admin can add questions about mentoring chat bot.
3. Admin can add answer about mentoring chat bot.
4. Admin can delete question and answer about mentoring chat bot.

### **1.5 Assumption and Limitation**

#### **1. Assumption**

Assumptions (rational) is something that is considered true by researchers as the basis

of the project so far. With this system, it is hoped that it will make it easier for users to

solve problems and can be asked via chat bot.

## 2. Limitations

The focus of this project is limited to:

- 1) This android-based application page only contains questions to be asked.
- 2) The results of the answers to the questions that have been selected will be automatically responded by the chat bot.