# Chapter 1- Introduction

* 1. Background of study

Industrial attachment is an academic requirement to most undergraduate courses that students must accomplish during their second, third or fifth years of study depending on the faculty. It aims at impacting valuable practical experiences to prepare the students for the workforce upon graduation. The students get to apply classroom knowledge to real-world situations.

* 1. problem statement

Seeking attachment opportunities is a difficult and strenuous to find since it involves moving from one office to another. The students are faced with the challenge of change in environment from the school one to the job market under a limited amount of time. The students who get attachment opportunities are also placed under irrelevant departments that does not relate with their course.

* 1. Aim of Study

The aim of study of this project is to come up with a web portal for students to apply for attachment opportunities with a click of the button. Web portal would also be used by companies to advertise their available attachment and internship opportunities together with their terms and conditions such as working hours, payment and duties of the attaché or the intern. The system will be able to place the students in relevant departments and organizations related to their field of study.

* + 1. Research objectives
* Develop a web portal that users will create and log in into their account.
* Users should be able to apply and upload the necessary supporting documents.
* The company should also be able to post posts available
* Successful applicants are contacted through the email.
  1. Significance /Justification of the study

The study would relieve the students the burden of manually seeking attachment positions in various institutions.

* 1. scope (i.e., defines the system boundary)

The platform is a web portal should be accessible 24 hours a day seven days a week.

* 1. assumptions

1. All students would apply for attachment/internship through the portal
2. All companies and recruiters would recruit attaché and interns from the portal
   1. Limitations

Companies may be skeptical to accept recruiting students into their organization due to lack of personal contact.

# Chapter 2-Literature Review

2.1 Introduction

The industrial attachment placement web portal enables the students to register and apply for attachment positions in the advertised companies or organizations at click of a button.

This systems allows students to register and update their profile remotely from any part of the world. Therefore, this saves them a lot of time from traveling from one place to another. The school supervisors are able to monitor where their students have been placed. Moreover, this system ensures that students have been placed under relevant departments related to their field of study where they get to gain hands on experience on the theoretical knowledge they have from class.

2.2 Related systems

1. KMTC Industrial Attachment Placement and Assessment Portal

This system is used by the Kenya Medical Training College to place the medical students into medical centers for their attachment. The students, login into the portal and submit their personal information especially the campus they are based at. When they have been placed, their attachment location is updated in the portals. The assessment is conducted and stored in the system.

2.3 Limitations of these System

The system is only accessible to only KMTC students, therefore students from other institutions cannot access the portal.

2.4 Proposed solutions.

1. The Industrial attachment placement system seeks to include all students from various institutions in Kenya for them to apply and get placed.
2. The system will be able to collect feedback from students about their attachment experience that will be useful in planning the teaching and learning methods since some of them may be obsolete and unapplicable in the real world.

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