**Chapter I**

**INTRODUCTION**

In this Era, mobile phone has become fashionable to everybody since it is very handy; with a mobile phone in our hand we can solve many issues and keep most of our information online. Initially, when they first came out, mobile phones were only useful for communicating; now they are of multiple usage. Mobile phones have become the colossal point of attention for individuals and businesses, courtesy of the various incredible features and opportunities that they offer (Chatterjee, 2014).

One of the markets or businesses that need to take advantage of these mobile solutions are the Learning Centers. Due to the high turnaround of teachers in these centers, the total process takes a lot of time. iLearnCentral will help solve this predicament. It is a mobile application that will help ease the whole experience of Learning Centers from hiring and profiling of teachers to scheduling and enrolment.

**STATEMENT OF THE PROBLEM**

Most Learning Centers are still doing manual processes which makes it is normal for staff and owners to encounter difficulties and long procedures. Thus, this proposed iLearnCentral will be a great help for them to lessen their workload and enhance their way of managing, profiling, scheduling and enrolling students.

**Rationale of the Study**

In many learning centers, the turnover rate of teachers is very high.

This study examines how learning centers can be managed more effectively

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Before the days of the digital revolution, businesses, schools and learning centers are saddled with bundles of administrative burdens, endless paperwork and shelves crammed with files.

This study also explores how learning centers can help students gain a better understanding of new concepts and skills through critical thinking activities. This study asks the question: How can learning centers be used to support classroom instruction and promote critical thinking?

**Objectives of the Study**

The study aims to develop iLearnCentral: A Cloud-Based Learning Center Platform with Mobile Technology.

To achieve this aim, the specific objectives are;

1. to gather data on the issues encountered by small learning centers

2. to determine a way to lessen the workload of learning centers

**SCOPE AND LIMITATIONS**

The app aims to lessen the workload of Learning Centers in its basic processes; hiring and profiling of teachers, scheduling, enrolment, etc. When hiring an educator, the app will suggest the best qualified applicant to the learning centers depending on the requirements and qualifications that were set. On the other hand, educators can apply for available learning center jobs through the app.

However, it has its own limitations for now.

1. This is currently for small learning centers with no dedicated IT personnel.
2. The features are based on common problems across different types of learning centers. As the app advances, more features will be added.
3. The app needs internet and Android 5.0 (Lollipop) or above to run.

**SIGNIFICANCE OF THE STUDY**

The implementation of the application will change the methods and process that the Learning Centers are teachers are accustomed to and the outcome of the study will be beneficial to the following:

**Students**. They will get the best teacher available to help them learn.

**Teachers**. They will have a new platform to search for jobs easily and also find institutions that can help them get certifications, accreditations, etc.

**Learning Centers.** The hiring process of teachers will be simpler.

**Researchers.** In order to increase the personal knowledge of problem solving and improving their coordination, teamwork and programming skills.

**Future Researchers.** The ideas presented may be used as a reference data in conducting new researches. The outcome of the study will serve beneficial to them as a cross-reference. This study may be one of the basis where a new theory in learning will arise.

**Flow of the Study**

Flow of the study shows the inputs and the selection of the processes to be included on the study.

- to gather data on the issues encountered by small learning centers- to determine the hardware and software requirements.

- to determine a way to lessen the workload of learning centers

**Input**

**Output**

**Process**

**iLearnCentral**:A Cloud-Based Learning Center Platform with Mobile Technology

- Develop a mobile application that will cover most of the basic processes of learning centers; hiring, profiling, scheduling and enrolment.

An Agile method that consist of the following phases:

* Requirement Phase
* Design Phase
* Development Phase
* Market Release
* Track and Monitor

Figure 1: **Flow of the Study**

Figure 1 shows the flow of the study. The flow is divided into three parts. Firstly, an input is the requirement needed for the application. Secondly, process is the development of the application. Finally, an output is produced out of the input and process.

The inputs are gathering of information about the issues encountered by learning centers and determining a solution.

The process of the study will be implemented by the use of a Software Development

Lifecycle Methodology which is the Agile Model. It is composed of 5 phases comprises Requirement Phase, Design Phase, Development Phase, Market Release, Track and Monitor

The output of the study is a machine that gather recyclable paper waste entitled as "iLearnCentral:A Cloud-Based Learning Center Platform with Mobile Technology".

**Definition of Terms**

The following terms are used in the study.