**1.0 INTRODUCTION**

**1.1 Background of the Study**

A web based software or “web-based application” is a software program that runs on a server (computer connected to the internet), while users connect to it from their computers or smartphones using a web browser. It is accessible from anywhere, as long as you have a connection to the internet – this gives you the opportunity to work on the move from or any location. **[MAGI2016]**

Technically, Web applications are usually coded in browser-supported languages, commonly use a combination of server-side script such as ASP, PHP et al. that deals with the storing and retrieving information and client-side script where the data is presented on your web browser – accessing sites or information on network, created by a web designer that uses HTML, CSS and JavaScript to create a frontend design for the website. The web browser is a key that interprets and runs all scripts etc. while displaying the requested pages and content from the client. **[NDGE2016]**

Global Innovative College is an institution that provides innovative learning platforms and groundbreaking education for the global students with a vision of an internationally recognized educational center, forming the next generation of innovative, professional leaders for the Global community. To achieve and maintain high quality education, one of the institutions’ assets is the Faculty Member. The faculty member plays a vital role in an institution that performs a different teaching strategies and interacts with the students to the best of their knowledge, abilities, and specializations. At the end of every semester, students are required to evaluate their professors’ performance through an existing Computerized Faculty Evaluation System in Global Innovative College.

The purpose of the Faculty Evaluation is to let the faculty know the effectiveness of the class in teaching the intended material and their effectiveness in facilitating their learning. It is both an opportunity to let them know what worked well, and what can be improved upon. Faculty Member may feel unease about evaluation, especially if students have something critical to say. But it's important for faculty member to know how well they're doing and where they can improve. **[EVER2017]**

Global Innovative College has already implemented an existing Computerized Faculty Performance Evaluation System but needs an improvement to avoid uncertain errors in the system and less time consumable in completing and releasing results of faculty evaluation.

Since the institution is all about innovation, we, the students of Global Innovative College, have made a proposal entitled “Web-based Faculty Performance Evaluation on Teaching Effectiveness” to provide accurate and reliable result to come up with a better decision making in all faculty performance evaluation. To achieve the ultimate goal of improvement and development of the existing system.

**1.2 Statement of the Problem**

**1.2.1 General Problem**

How to design, develop, and implement a Web-based Faculty Performance Evaluation System that will consolidate and speed up the performance and operation of Global Innovative College?

Global Innovative College can’t achieve the best faculty performance evaluation due to the late release of evaluation reports and absence of accurate, adequate and reliable timely results of the summary reports in the current system.

The main concern in the current system is that the system cannot generate real time reports/results of the evaluation.

**1.2.2 Specific Problems**

In particular, the study aims to answer the following problems:

1. How will the system be able to provide accurate result of the evaluation?

After the evaluation week is done, the Management Information System (MIS) manually export the MYSQL data (conducted from student evaluation) and import in MS Access to analyze the results. But it might lead to inaccuracy of the result due to non-automatic process in generating summary reports.

2. How will the system be able to create an interface for classroom observation and self-evaluation?

The faculty head observes and evaluate faculty members’ class performance through a paper-based evaluation. Also, faculty members’ evaluate themselves using a paper based evaluation. Paper-based evaluation can lead to loss and misplaced of evaluation forms.

3. How will the student be able to evaluate if something urgent happened during evaluation week?

Many students are not available or can’t evaluate during evaluation week in school because of their errand, (on the job training, family problem, etc.).

4. How will the system be able to accurately match the right professor in a certain subject?

Every evaluation week, Students always encounter wrong professor in a certain subject that can lead to confusion and inconvenient in evaluating different professor in the system.

5. How will the system be able to match correct course of the students?

Every evaluation week, Students also encounter wrong course/subject included in their evaluation account. That can cause inefficiency for the users’.

**1.3 Objectives of the Study**

**1.3.1 General Objective**

To design, develop and implement a Web Based Faculty Performance Evaluation on Teaching Effectiveness for Global Innovative College that will generate real time reports of student evaluation of each faculty member from the Management Information System (MIS) to be validated after by the Human Resource Director (HR). It will minimize the work effort and increase work productivity and efficiency of the faculty because the system is automated with the use of web based application, PHP/Bootstrap as the front end design and MYSQL as the database backend of the system.

**1.3.2 Specific Objectives**

1. To provide accurate result of the evaluation.

2. To create an interface for classroom observation and self-evaluation

3. To create a system that can be accessed through smartphones.

4. To accurately match the professor in a certain subject.

5. To match correct course/subject of the student.

**1.4 Significance of the Study**

This study aims to benefit the faculty of Global Innovative College to increase work productivity and lessen the amount of time it takes to complete each and every work when processed manually. The beneficiaries of the proposed system are the following:

**Management Information System (MIS)** – The system will make it more convenient for them to keep accurate and reliable records of evaluation. Also, they will be able to produce on time reports of the student evaluation to be given to the Human Resource Director.

**Human Resource Director (HR)** – The system will provide an interface of the results of student evaluation for each faculty member, so that he can validate it right away.

**Faculty Head** – The system will be able to provide an interface for class observation sheet and results of student evaluation per faculty member.

**Faculty Member** – The system will be able to provide an interface for self-evaluation and will make it more convenient because they will have an access to view the result of student evaluation they handle once they logged in.

**Students** – The use of a technology is a good way to evaluate professor without inconvenience. This system will able to provide students with a freedom of expressing their appreciation and concerns toward the professor. Also, the system will able to accurately match the right professor in a certain subject to avoid confusion.

**Proponents** – The Proponents will be able to have a chance to apply all the learning they have gathered from the program subjects and also the newly acquired knowledge that will specifically be used for the system. The Proponents were given a chance to showcase their talents to produce an innovative product and help the institution in its innovative education.

**1.5 Scope and Limitation**

**1.5.1 Scope**

The Web-based Faculty Performance Evaluation covers the evaluation records and results of each faculty members of Global Innovative College.

1. The MIS office will have an account that will serve as administrator of the system. The MIS will have the privilege to add, edit and delete user accounts of the system such as the Students, Faculty Heads, Faculty Members and Human Resource Director. The MIS can also reset the password of the mentioned accounts.
2. The system will have a module which will allow the Faculty Heads to rate faculty class performance. The module is accessible via internet so the Faculty will have to use a web browser to access it. Since the system is responsive to mobile gadgets, the Faculty can also access the system using tablet devices or smart phones connected to the school’s internet.
3. The system will have a module for the Faculty Members. This is where Faculty Members can take their self-evaluation test through smartphones or computers as long as they are connected to the school’s internet.
4. The Students can now access GIC’s evaluation system through smartphones or computers as long as they are connected to the school’s internet.
5. The system has a feature that can generate a report that will allow the Faculty members, Faculty heads and Human Resource director to view results of the student evaluation.

**1.5.2 Limitations**

* Students cannot view the result of Faculty Performance Evaluation of each faculty member.
* Students cannot undo/edit their evaluation answer once it has been submitted.