

# Web Portal for Teacher-Guardian Scheme

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**1 .Abstract:** This project presents a Web Portal for Teacher-Guardian Scheme. This is basically a web-based application for students, faculty and academic faculty in order to obtain student information quickly. This system is like a replacement for the traditional file system and avoids traditional paperwork. In this project, a student's complete academic records can be tracked thereby providing easy access to department staff and committee members. It avoids the need of tedious paperwork on the part of the students and students can then file their information through a computer and makes an easy process for submission as well as evaluation. The project classified into three modules viz Login module, Teacher's Module and Administrator module. The login module is used for entry to the website with provision of various functions and facilities. In the Teacher's Module there is option for uploading the data of counseled student. In Administrator module department staff and Training and Placement faculty can access the data of student according to pointer range.

#### **1.1 Keywords: PHP, XAMPP, APACHE**

## 2. Introduction.

Our college has introduced this scheme to have one to one interaction with students. For a batch of about fifteen students, a teacher is assigned the role of Teacher-Guardian. Teacher Guardian works as a friend, philosopher and guide for these students. He keeps the track of every student's day-to-day activities and records daily attendance, test results, internal assessment, prelim examination results and other related information of students in the specially designed teacher guardian book.

He encourages the students to participate in co-curricular & extracurricular activities. He gives academic feedback to the parents/guardians regularly. He also counsels the students to solve difficulties encountered not only in college campus but in their personal lives too. Teacher guardian acts as a mentor to students and offers them emotional and academic support along with motivation.

Web Portal for Teacher-Guardian Scheme literally means the general information systems for maintaining and providing student information. It exists in all the department of our college. However, those information systems vary. Some of them are paper based; heavily manual work is involved in managing and maintaining information such as student personal records files. However, recently, most colleges, even down to the very smallest, utilize computers in some way or another. The uses to which the computers are put vary enormously, ranging from word processing and spreadsheet through to worldwide on-line access, complicated user access permission system and vast functionalities.

### **3.Literature survey:**

Every teacher, being Teacher-Guardian, has to maintain all the data of students allotted. Data may consist of student's phone number, parent's phone number, email id, medical history in case of emergency, address, interest in curriculum activities and previous exam record etc. To collect all this data a teacher provide a form to students and order them to fill and attach necessary documents. As we know for a class of 45 students, for each group of 15 students a Teacher-Guardian is allotted. This will create a bunch of forms having 4-5 Xerox copies attached to a single form.

This is basically a web-based application for students, faculty and academic faculty in order to obtain student information quickly. This system is like a replacement for the traditional file system and avoids traditional paperwork. In this web-based application project, a student's complete academic records can be tracked thereby providing easy access to office staff and committee members. It avoids the need of tedious paperwork on the part of the students and students can then file their information through a computer and makes an easy process for submission as well as evaluation.

#### **4. Analysis and Design**

#### **Problem Statement:**

*In this web-based application project, a student's complete academic records can be tracked thereby providing easy access to department staff and committee members. It avoids the need of tedious paperwork on the part of the students and students can then file their information through a computer and makes an easy process for submission as well as evaluation.*

## 4.1 Motivation

The main motto of this project is to reduce traditional paper work. Every teacher, being Teacher-Guardian, has to maintain all the data of students allotted. Data may consist of student's phone number, parent's phone number, email id, medical history in case of emergency, address, interest in curriculum activities and previous exam record etc. To collect all this data a teacher provide a form to students and order them to fill and attach necessary documents. As we know for a class of 45 students, for each group of 15 students a Teacher-Guardian is allotted. This will create a bunch of forms having 4-5 Xerox copies attached to a single form.

## **4.2 Objectives:**

**4.2 Objectives:** To avoid the need of tedious paperwork on the part of the students and students can then file their information through a computer. To make an easy process for submission as well as evaluation. To provide easy access to student information by office staff and committee members.

## 5.Project Description

Design of proposed of work: We are currently working on student login module. The module consists of registration and login page. Whenever a new student comes in the department he/she have to register himself/herself into the web site.

Registration sections consist of registration form by which the student gets registered in the web site. While registering to the site student have to fill all necessary details of his/her including unique ERP Id and unique password. After registration to web site student can login to web site using ERP id as ID and password, he/she has created.

In Login section there is button called “Fill the Teacher-Guardian Form” which will forward the student to actual web form of Teacher-Guardian. Form will consist of Student name, Student DOB, Student mailing address, Gender, Contact no., blood group, parent contact no., address of correspondence (Local and Permanent), and participation in co-curricular activities. Also after successfully submitting the form, student can update information and change their password as and when required.

## 6.Tools and Technology Used:

### 6.1.1 PHP:

PHP is a general-purpose scripting language that is especially suited to server side web development where PHP generally runs on a web server[1]. PHP code is embedded into the HTML source document. Any PHP code in a requested file is executed by the PHP runtime, usually to create dynamic web page content. It can also be used for command-line scripting and client-side GUI applications. PHP can be deployed on many web servers and operating systems, and can be used with many relational database management systems (RDBMS). It is available free of charge, and the PHP Group provides the complete source code for users to build, customize and extend for their own use.

### 6.1.2 MySQL:

MySQL[1,2] is a relational database management system (RDBMS)[1] that runs as a server providing multi-user access to a number of databases. MySQL is a popular choice of database for use in web applications and is an open source product. The process of setting up a MySQL database varies from host to host, however we will end up with a database name, a user name and a password. Before using this database, we must create a table. A table is a section of the database for storing related information. In a table we will set up the different fields which will be used in that table. Creating a table in php MyAdmin is simple, we just type the name, select the number of fields and click the ‘go’ button. We will then be taken to a setup screen where you must create the fields for the database. Another way of creating databases and tables in php MyAdmin is by executing simple SQL statements. We have used this method in order to create our database and tables.

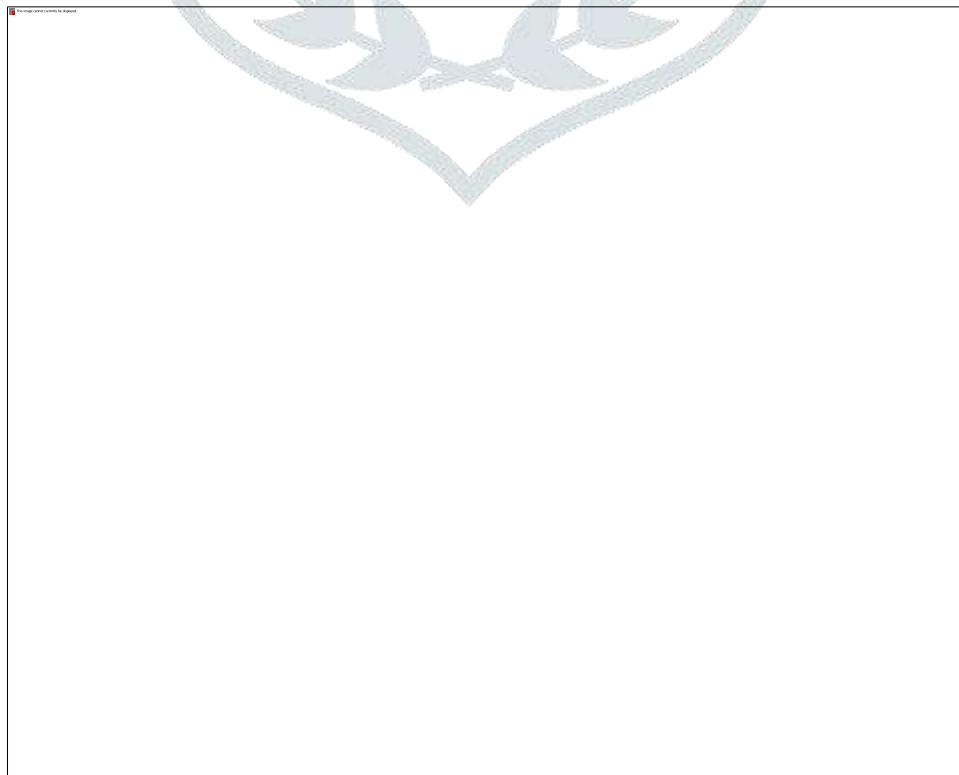
### 6.1.3 APACHE:

The Apache HTTP Server[1,2,3] is a web server software notable for playing a key role in the initial growth of the World Wide Web. In 2009 it became the first web server software to surpass the 100 million web site milestone. Apache is developed and maintained by an open community of developers under the auspices of the Apache Software Foundation. Since April 1996 Apache has been the most popular HTTP server software in use. As of November 2010 Apache served over 59.36% of all websites and over 66.56% of the first one million busiest websites.

### 6.1.4 XAMPP:

XAMPP[1,4] is a small and light Apache distribution containing the most common web development technologies in a single package. Its contents, small size, and portability make it the ideal tool for students developing and testing applications in PHP and MySQL. XAMPP is available as a free download in two specific packages: full and lite. While the full package download provides a wide array of development tools, XAMPP Lite contains the necessary technologies that meet the Ontario Skills Competition standards. The light version is a small package containing Apache HTTP Server, PHP, MySQL, phpMyAdmin, OpenSSL, and SQLite.

## 7 Activity Diagram



**7.1.1.Registration Page:-****8. Advantages and Applications****8.1 Advantages:**

- 1.Helps to get a particular student's information within a seconds.
- 2.Makes an easy process to extract students having best grades for campus recruitment.
- 3.Reduce the traditional paperwork.
- 4.Reduce the overhead of keeping files safe for future use.

**8.2 Applications**

- In campus recruitment process.

**9.Conclusion and Future Scope**

➤ Web Portal for Teacher -Guardian Scheme will help faculty and academic faculty in Can be used in Departments of college.

**References**

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