A Mini Project Report

On

Student Registration for Admission

By

Nitin Gayakwad (Roll No - 7)

Priya Deshmukh (Roll No - 8)

Akshay Pawar (Roll No - 9)

Mamta Sambare (Roll No - 11)

Under the guidance of

Department of Information Technology

SIR. VISVESVARAYA INSTITUTE OF TECHNOLOGY

SAVITRIBAI PHULE PUNE UNIVERSITY 2017-2018

Department of Information Technology
SIR. VISVESVARAYA INSTITUTE OF TECHNOLOGY,NASHIK.

Date: / / 2017

CERTIFICATE

This is to certify that,

Nitin Gayakwad (Roll No - 7)
Priya Deshmukh (Roll No - 8)
Akshay Pawar (Roll No - 9)
Mamta Sambare (Roll No - 11)

of class T.E IT; have successfully completed their mini project work on "Student Registration for Admission " at Sir Visvesvaraya institute of Technology in the partial fulfillment of the Graduate Degree course in T.E at the department of **Information Technology**, in the academic Year 2017-2018 Semester – I as prescribed by the Savitribai Phule Pune University.

Internal Examiner **External Examiner**

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Nitin Gayakwad
Priya Deshmukh
Akshay Pawar
Mamta Sambare

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1 clgentry
2 user
3 login

Forms

1 Main Page
2 Student Regstration
3 Admin Login Page
4 Contact us Page
5 Get Mobile No Page

Abstract

Online Registration would be more convenient, relatively secure and utilize fewer resources. To be able to Register Information of Student for an Admission. An Online Course Registration system for University of Data ville is to be developed with a front-end web interface and a back-end database. An example of the system would be University of Pune Registration.

Any database system can be chosen as the back-end such as MySQL, Microsoft SQL Server, DB2, Access. Any web server can be chosen for the front end such as Tomcat, Glassfish, JRun, etc. Any server side language can be chosen such as PHP, JSP etc.

As part of this project, an online Registration prototype system has been constructed using the demonstration windows application tool created for PTC web services. A pre-computation process is applied due to efficiency improvements. The details of this optimization and improvement in the web services process will be explained in the subsequent sections

This paper presents the research and findings of a student registration system at Methodist University of Pune. It was found out that students have to be physically present on their campuses to do registration for the semester, after the payment of fees. With the numerous alternatives in technological choices, this research sort to find out which alternative would help eliminate the current difficulties students go through in order to register for the semester. This paper analyzed this existing system using the waterfall model leading to a design and development of an online registration system.

Chapter 1

Introduction

1.1 Motivation

The motivation for doing this project was primarily an interest in undertaking a challenging project in an interesting area of research.

When Student Can't Reach at Particular College then He can Register his Information through Online Registration.

1.2 Problem Statement

- To develop a website on ‘Online Registration for Admission ’.
- The administrator details are stored to display the result
- The counting process is eased and papers are saved
-

1.3 Framework Of Proposed Work

Main page of College : Overall Overview of college Campus

Student registration: It allows administrator to add new candidates as per the requirement.

Registration Details : Here the administrator can check the availability. And can view the details of a table to maintain database properly. Administrator can manipulate the registration details according to the requirement

. **Result**: In this section, result generation is done according to candidate Information and the result is displayed according to it.

Chapter 2

Literature Review

2.1 Introduction

Now a days, a Registration usually goes to the College Campus. After direct person-person verification with some IDs, the result is allowed for admission . However, this ballot must also be anonymous.The Online Registration System allows students, through Internet, to register, drop, or add courses within the registration period and the Advisor to do advising for the students by approving/rejecting requested courses by the student or recommending some others. The System provides for students the option to register courses, without the advisor's prior approval, offered by their colleges during the scheduled registration periods. The students can modify their course selection by adding and/or dropping courses. However, when the registration period is over, all previously registered courses by the students will be viewable in the system System may be defined as a layered structure that depicts how programs involved would interrelate and communicate. In computers, System may also include actual programs, programming interfaces and tools for managing the larger system. The term system may be used differently in different contexts, but more or less the concept remains the same. Online student course registration system combines multiple systems to construct a combined framework. This framework consists of multiple modules, which further contain different systems along with the implementation of their defined constraints.Basically, systems are implemented for facilitating complex manual processes and that is exactly what we are trying to achieve. System is implemented as per user requirement such as a manufacturing concern may install a plant for easing out manual processes. We have sought help from computer programming for automation of manual registration system. With the introduction of computers, every aspect of our lives has been revolutionized. When used judiciously, computers can help us save time, secure our personal information, access the required information whenever and wherever required. Keeping all these positive points in mind, we have developed an Online Student Course Registration System for easily managing the semester registration process for the

2.2 Existing Methodologies

1. The system has Admin, student and candidate. Where admin can add students and candidate and student have no rights for that. And this system able to calculate the votes through the student, but this existing system based on paper.
2. There is wastage of paper.
3. Admin can search the candidate on the basis of paper and this situation so problematic.

LIMITATIONS OF EXISTING SYSTEM

- Lack of security of data.
- Time consuming.
- Consumes large volume of paper work.
- Manual work
- No direct role for the higher officials

To avoid all these limitations and make the system working more accurately it needs to be computerized.

2.3 Proposed Methodologies

1. As we see, there are 3 logins. Admin, student and candidate where admin can add students and candidate and student have no rights for that and existing system not able to see the Information of anather system whereas new system able to calculate candidate wise votes.
2. Admin have all rights and he /she have all the access rights

Student has his/her own user id or password. Without admin id or password admin will not able to do any changes. Whereas student has his/her own user id or password without that no one able to do changes.

ADVANTAGES OF PROPOSED SYSTEM

The system is very simple in design and to implement. The system requires very low system resources and the system will work in almost all configurations.

- Security of data.
- Ensure data accuracy's.
- Reduce the damages of the machines.
- Minimize manual data entry.
- Greater efficiency.
- User friendly and interactive.
- Minimum time required.

Chapter 3

Software Requirement Specification

3.1 Hardware Requirnment

- CPU Speed (1.60 GHZ) Dual Core
- 1200 MB free HDD space
- 128 MB RAM or more (256 MB recommended)

3.2 Software Requirnment

- **Database:**MySQL

  Programming Language Used: HTML,PHP , CSS , MYSQL(version 7.1.9).

- **Operating System**: Windows 7.

- **Tools and server software used**: Xampp.

Chapter 4

System Design

4.1 Design

System design is the process of art of defining the architecture, component, modules, interface, and for system to satisfy specified requirement. Architecture desire creates a blue-print for the design with necessary specification for the hardware, software; people and data resources. In many cases multiple architectures are evaluated before one selected.How well is the task being performed. The analysts gather details about the business process and try to improve on them.

Design of the system includes mainly two steps:

- System design
- Detailed design.

4.2 Modules

The system should satisfy the following requirements:

Administrator Aspect

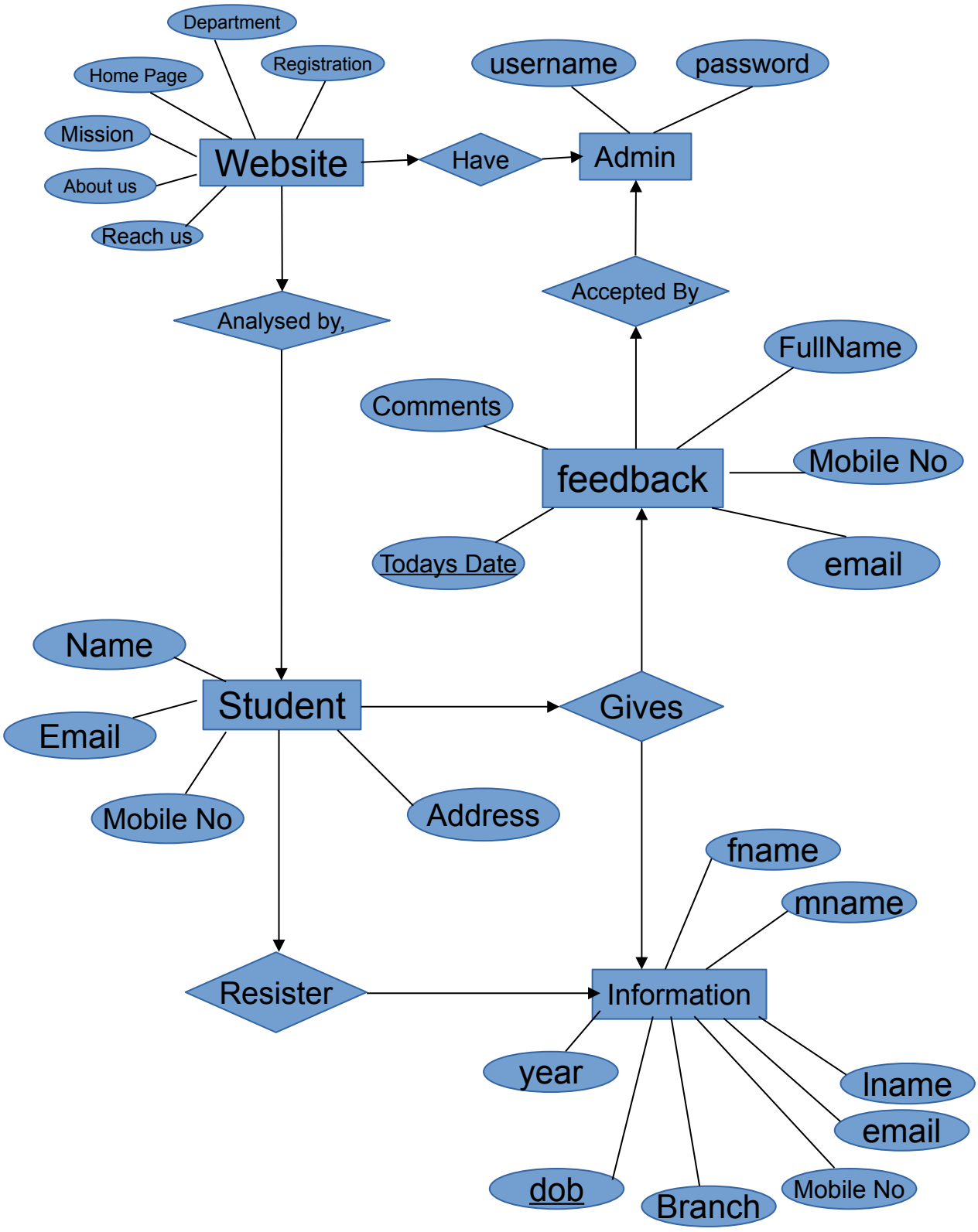
- Admin first login and has the right to handle the entire system.
- Admin can provide information about member information, position information.
- Check availability of candidate .
- Resetting Passwords
- Manage user profile.
- **Candidate Aspect**

1. Logging into the system.
2. To check availability of books.
3. Maintain daily records
4. Check their resigtration Statu

Student Aspect

1. Register Information.
2. Print Student Data.
3. Analysis College Websites
4. Send Feedback
5.

4.2.1.1 E-R Diagram:



4.1.2.2 Tables :

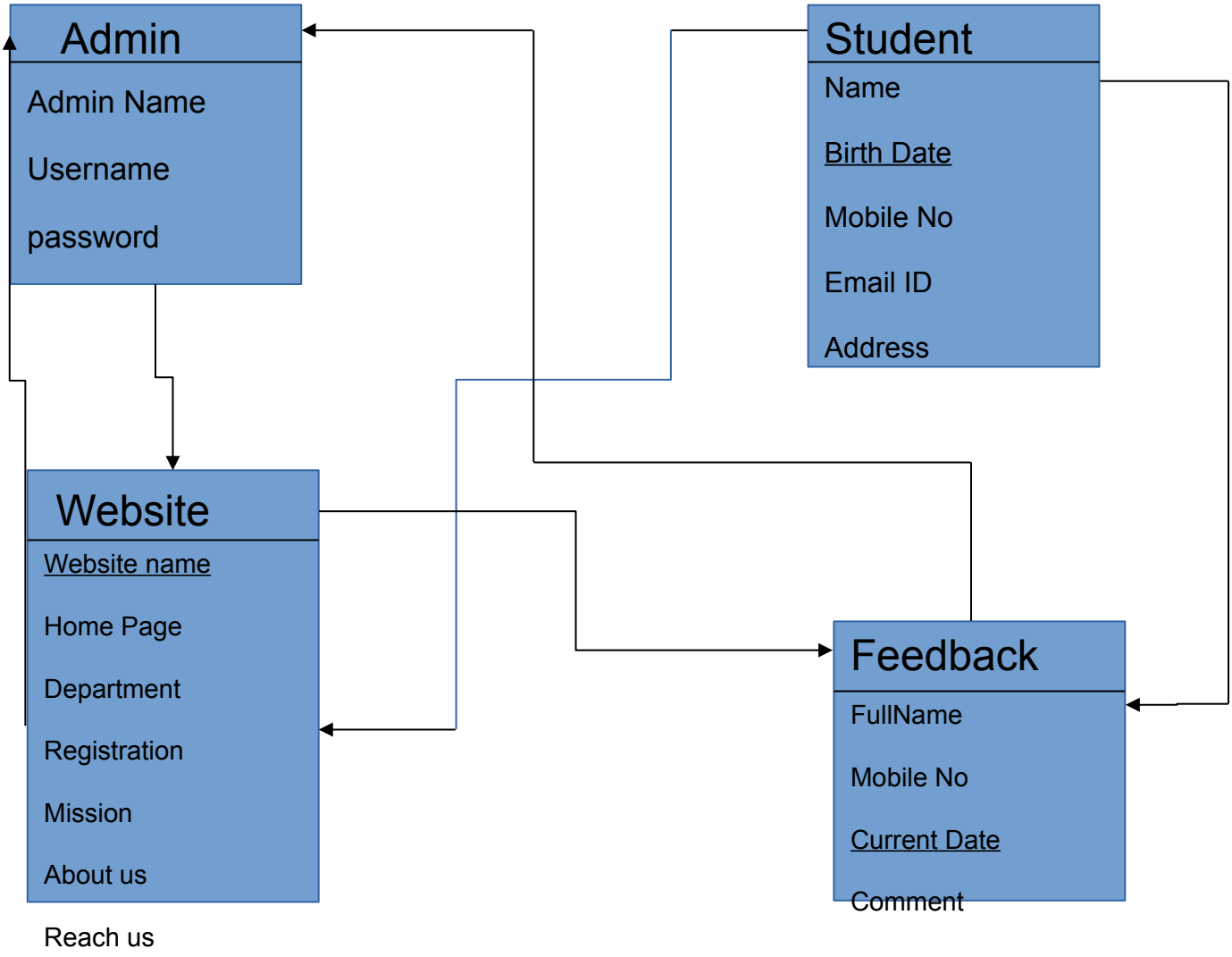
1. Registration Table Name : (clgentry)

Sr No	Name	Type	Description
1.	Fname	Varchar(20)	First Name
2.	mname	Varchar(20)	Middle Name
3.	Lname	Varchar(20)	Last Name
4.	Email	Varchar(40)	Email ID
5.	Mob	Varchar(15)	Mobile No
6.	Branch	Varchar(30)	Branch Name
7.	Dob	Date	**PRIMARY KEY** Date of Birth
8.	Year	Int(5)	Current year

2. Feedback Table Name : (user)

Sr No	Name	Type	Description
1.	fullname	varchar(30)	Full Name
2.	mob	varchar(15)	Mobile No
3.	email	varchar(40)	Email ID
4.	td	Date	**PRIMARY KEY** Today's Date
5.	cmt	varchar(500)	Comment

4.1.2.3 Schema Diagram:



Chapter 5

Coding

The goal of the coding phase is to translate the design of the system into code in a given programming language. For a given design, the aim in this phase is to implement the design in the best possible manner.

Registration page

```
<?php
include("config.php");
$server = "localhost";
$username = "root";
$passwd = "Akshay";
$dbname = "teit";
$conn= mysqli_connect($server, $username, $passwd, $dbname);
$emailErr="";
//$conn = mysqli_connect("localhost","root","","teit");
if(!$conn)
{
	die("Error Occure While Connecting to Database".mysqli_connect_error());
}

if(isset($_POST['Register']))
{
		$fname=$_POST['fname'];
		$mname=$_POST['mname'];
		$lname=$_POST['lname'];
		$email=$_POST['email'];
```

```
		$mob=$_POST['mob'];
		$branch=$_POST['branch'];
		$dob=$_POST['dob'];
		$year=$_POST['year'];
		$sql = "INSERT INTO clgentry (fname,mname,lname,email,mob,branch,dob,year) values ('$fname','$mname','$lname','$email','$mob','$branch','$dob','$year');";
		if(mysqli_query($conn,$sql))
		{
			echo"<br> Congratulatin...Your Record Inserted Successfully";
		}
		else{
			echo"Cant Insert".mysqli_error($conn);
		}
}
mysqli_close($conn);

?>
```

Get Our Record

```
<?php
include "connection.php";
error_reporting("E_NOTICE");
$server = "localhost";
$username = "root";
$passwd = "Akshay";
$dbname = "teit";
```

```
$conn= mysqli_connect($server, $username, $passwd,$dbname);
//mysqli_select_db($conn,$dbname);
if(!$conn)
{
	die("Error Occure While Connecting to Database".mysqli_connect_error());
}

if(isset($_POST['Print_Record']))
{
	$mob = $_POST['mob'];
	$sql = "select * from clgentry where mob = $mob";
	$record = mysqli_query($conn, $sql);
	if(mysqli_num_rows($record))
	{
		while($row = mysqli_fetch_array($record))
		{
			echo"<tr><br>";
			echo"<br>FullName : <td>".$row['fname']." ".$row['mname']." ".$row['lname']."</td>";
			echo"<br>Email ID : <td>".$row['email']."</td>";
			echo"<br>Mobile Number : <td>".$row['mob']."</td>";
			echo"<br>Branch : <td>".$row['branch']."</td>";
			echo"<br>Date Of Birth : <td>".$row['dob']."</td>";
			echo"<br>Currunt Year : <td>".$row['year']."</td>";
			echo"</tr>";
		}
	}
```

```
        else
                echo"No Record Found";
        mysqli_free_result($record);
        mysqli_close($conn);
}
?>
```

Contact & Feedback Page

```
<?php
include("config.php");
$server = "localhost";
$username = "root";
$passwd = "Akshay";
$dbname = "teit";
$conn= mysqli_connect($server, $username, $passwd, $dbname);
//$conn = mysqli_connect("localhost","root","","teit");
if(!$conn)
{
        die("Error Occure While Connecting to Database".mysqli_connect_error());
}
if(isset($_POST['Submit']))
{
        $fname = $_POST['fname'];
        $mob = $_POST['mob'];
        $email = $_POST['email'];
        $td = $_POST['td'];
        $cmt = $_POST['cmt'];
        $sql = "INSERT INTO user (fname, mob , email, td , cmt) values
```

```
('$fname','$mob','$email','$td','$cmt');";
        if(mysqli_query($conn,$sql))
        {
                echo'margin-left:20%;Your Record Inserted Successfully';
        }
        else{
                echo"Cant Insert".mysqli_error($conn);
        }
}
mysqli_close($conn);
?>
```

Admin Login Page

```
<?php
error_reporting("E_NOTICE");
$server = "localhost";
$username = "root";
$passwd = "Akshay";
$dbname = "teit";
$conn= mysqli_connect($server, $username, $passwd,$dbname);
//mysqli_select_db($conn,$dbname);
if(!$conn)
{
        die("Error Occure While Connecting to Database".mysqli_connect_error());
}
if(isset($_POST['Admin Login']))
{
        $user = "root";
```

```
	$passwd = "Akshay";
	$user=$_POST['user'];
	$passwd=$_POST['passwd'];

	if(!$user && !$passwd)
	{
		echo"Welcome Admin";
	}
	else
	{
		echo"Sorry...Invalid Login & Password";
	}
}
mysqli_close($conn);

?>
```

Admin Page

```
<?php
error_reporting("E_NOTICE");
	$server = "localhost";
$username = "root";
$passwd = "Akshay";
$dbname = "teit";
$conn= mysqli_connect($server, $username, $passwd,$dbname);
//mysqli_select_db($conn,$dbname);
if(!$conn)
{
	die("Error Occure While Connecting to
```

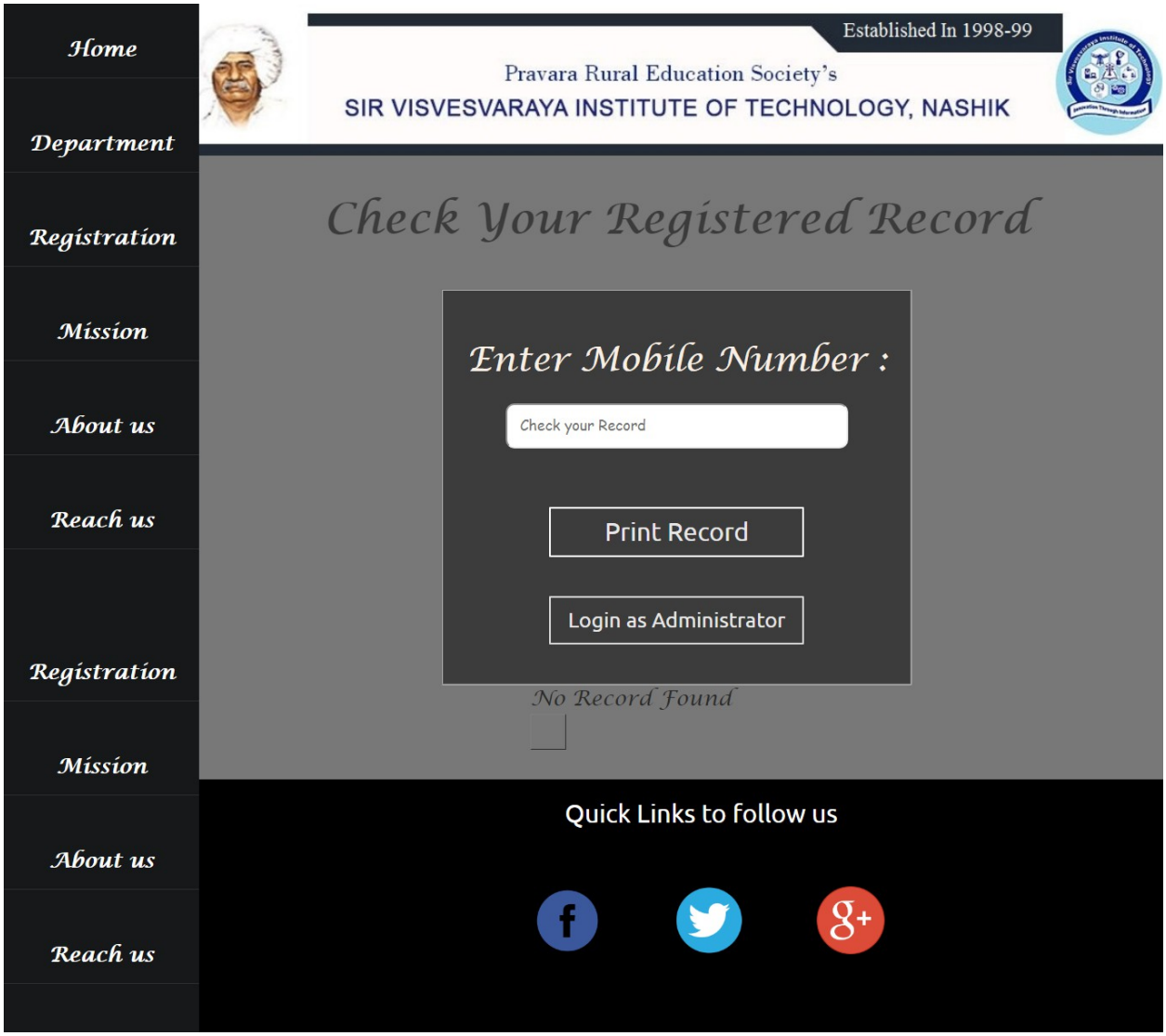
```
Database".mysqli_connect_error());
}
$sql = "select * from clgentry";
$record = mysqli_query($conn, $sql);
if(mysqli_num_rows($record))
{
        while($row = mysqli_fetch_array($record))
        {
                echo"<td>          ".$row['fname']."          ".$row['mname']."          ".
$row['lname']."</td>";
                echo"<td> ".$row['email']."</td>";
                echo"<td> ".$row['mob']."</td>";
                echo"<td> ".$row['branch']."</td>";
                echo"<td> ".$row['dob']."</td>";
                echo"<td> ".$row['year']."</td>";
                echo"</tr>";
        }
}
mysqli_close($conn);
?>
</table>
<br><br><br>
<a href="http://localhost/Akshay/login.php"><p class="out" >Logout</p></a>
```

Chapter 6

Forms

Get Our Record (By taking Zoom Out)

Using this form administrator can login to the website where candidate and student can register.



Established In 1998-99

Pravara Rural Education Society's

SIR VISVESVARAYA INSTITUTE OF TECHNOLOGY, NASHIK

Student Registration Center

2017 - 2018

Pune univercity

Sir Visvesvaraya Institude of Technology,Chincholi Dist. Nashik

by,

INFORMATION TECHNOLOGY

First Name :

First Name

Middle Name :

Middle Name

Last Name :

Last Name

Email ID :

example@gmail.com

Mobile No :

+91...

Branch :

Branch Name Ex. IT Engineering

Birth Date: dd/mm/yyyy

Today's Date: dd/mm/yyyy

Register

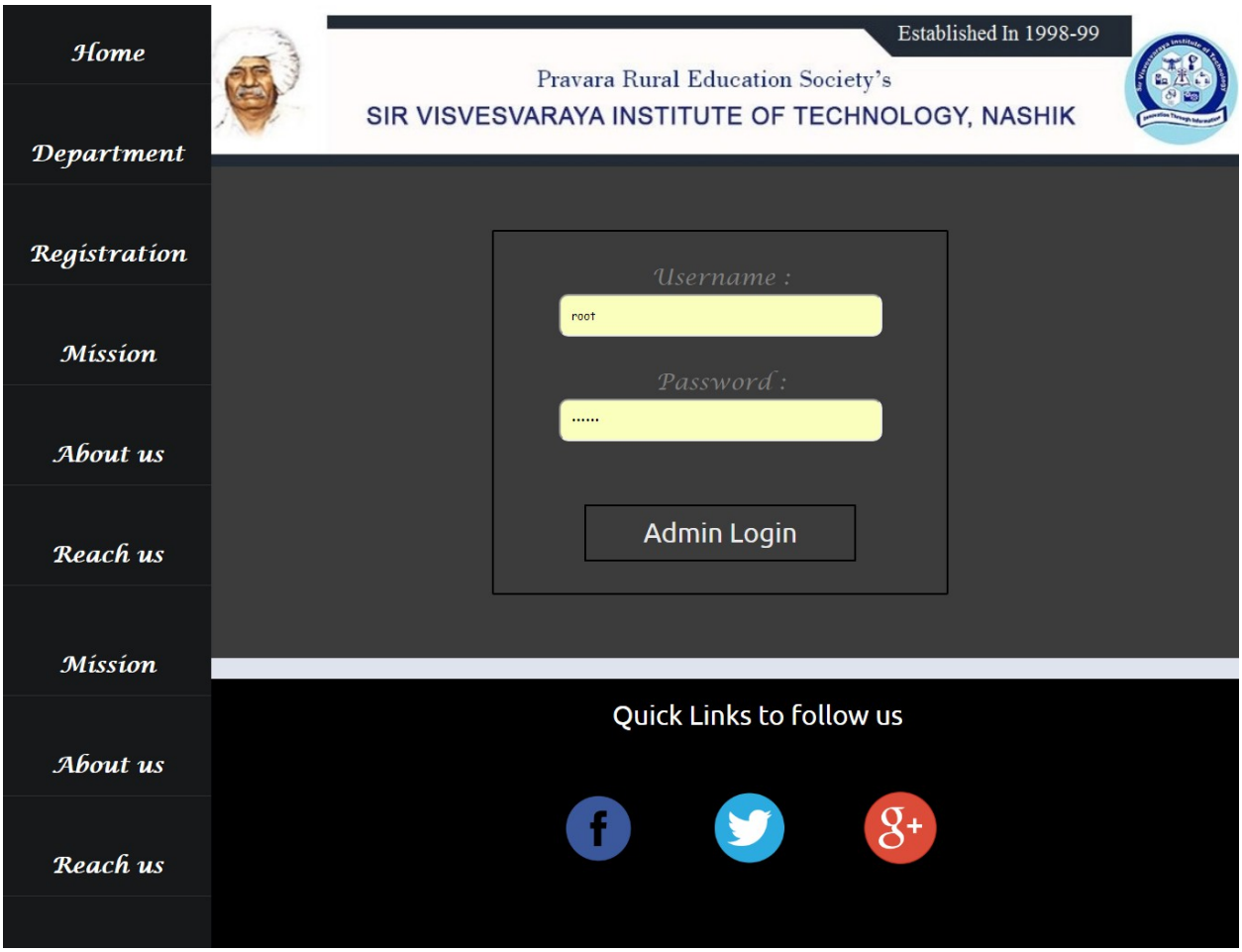
Print Record

Quick Links to follow us

4.Contact & feedback Page

Features provided by the website

5.Admin Login Page



6.Admin Page

Only administrator has the rights to view this registration.

9.Advantages:

- **Increase Registration Form**
- **Posiblity to Increase No of Student**
- **Student can give his Information from anywhere around the world**
- **Less travel**
- **Saves time and money**

10.Disadvantages:

- **May be harmful and very vulnerable**
- **Can be corputed internally and externally**
- **May have softwer issues**
- **Harder to learn for the non-techy individual**
- **Student may Enter Invalid Data**

11.Application:

- **Authentication- the voting system can correctly identify the autencity of voter. All stages of voting can guarantee that the ballot is aunteic. The voter is eligible to vote and only votes on time**
- **Availability-the Registration system must be available to the student and specified and predefine time**
- **Integrity-only Admin have the access to the data and only the individual student has access to their personal data.**

Chapter 7

Testing

SR NO	STEP	EXPECTED RESULT	ACTUAL RESULT	RESULT
1.	Analyse the website main page	Checking if Invalid data are Provided	Displays proper data	Pass
2.	Student Registration	Will not accept repeated data Add data to database	Display error message	Pass
3.	Display personal data through Mobile No.	Student Personal Record will Displayed	No Error , while Displayed Record	Pass

Conclusion

Implementing the Online Student Course Registration System, the registration procedure has been simplified. Previously student had to go door to door in order to get the documents acknowledged from the concerned officials whereas the currently developed system offers an efficient way to perform these operations. The students can access the registration portal online either from a computer or a smart phone, and fill the necessary information and submit it for further approval. This web application provides us with ease of access, user friendliness and transparency. On the other hand, from organizations viewpoint, it helps in maintaining transparency, data consistency, data accessibility and easy maintenance.

This system will largely save the precious time of Deans, Advisors and Accounts Officers, Instead of explicitly signing every document; they just have to acknowledge entries online with the click of a mouse. All the technologies i.e. PHP, Apache and MySQL used for current system design are open source and hence freely available for download. PHP provides a strong platform for creating the visual front-end of the web application and PHP combined with HTML provides a very flexible development environment. For the purpose of fulfilling Web Server requirements XAMPP was used, which is again Open Source and is supported across multiple platforms. In order to maintain visual consistency jQuery was used for simpler implementation of certain features. For constant testing, analysis and execution needs, Firefox and Google Chrome web-browsers were used. With a combination of all these technologies we were able to create a web application environment that is efficient and consistent enough.

The primary objective of our research and development was to automate student course registration procedure. It has been achieved successfully and the system is tested to be working efficiently. The student enters his/her information during the beginning of the semester, the system verifies the data entered, compares it to the previous semester entries in the database and forwards it to the concerned faculty. After getting the nod from the faculty and respective officials the registration form is submitted to the administrative staff of the college or university for further necessary action at their end.

Online application of the whole system helps easy access to the system anywhere. Physical presence of the student is not required. The time taken for process completion is now largely reduced. After registration the database is automatically updated at the end of process completion removing the hassle for department officials who had to enter the data manually. As the database is managed through MySQL, data duplication is eliminated and thereby reducing chances of error. Also data can be now be easily retrieved, edited and printed whenever required. Authentication based access proves to be more secure than manual system. The data is maintained on a central server and is distributed among different departments as per requirement and copies of this database are maintained on backup servers. Also, database access is authorised and cannot be viewed or edited by unauthorised personnel. So, this automated and computerised system is safe, fast and user friendly. It has been developed in PHP and the database has been built in SQL server.

References

- MySQL Tutorials from www.tutorialspoint.com. , www.w3schools.com
- PHP Tutorials from www.w3schools.com. , www.javatpoint.com
- HTML & CSS Tutorials from www.javatpoint.com , www.w3schools.com , www.tutorialspoint.com