



CLOUD BASED DATA REPOSITORY SYSTEM FOR TEACHER TO STORE DATA FOR SECURE AND EFFICIENT ACCESS

Mugdha Malushte^a, Mrudula Mane^a, Pratiksha Mali^a, Stuti Mistry^a, Sagar Chavan^b

^aStudent, Sanjay Ghodawat Polytechnic, Atigre, India

^bHead of Department (C.S.E), Sanjay Ghodawat Polytechnic, Atigre, India

ABSTRACT

In day-to-day life it is hectic for teachers to keep their records in offline format as there are chances of documents, papers, files, etc. getting misplaced. It is getting time consuming to make files for all information, attendance, mark list, etc. separately. In SGP Etechno teacher we overcome all these problems by providing the data in online platform. It will reduce the load over teacher and provide all information needed on one platform. This is a virtual/digital platform which allows us to create/ed- it/update the complete information about the college, student, teacher, etc. Here we'll get latest information about teacher. It also provides the support that a faculty can also check about his daily schedule upload leave application and attendance. Here HOD and principle will work as an administrator and can be able to see all information of teacher. Through this platform we will collect information about teacher and provide it directly to HOD and principle to keep these records properly. Maintaining student's attendance records will get simpler. Database will be provided so that teacher will be able to input data and change as required according to given element requirement. In this project leave application applied by teacher will be directly send to higher authorities to be sanctioned, they will be given the option to accept or decline the application. HOD and principle will be able to track the appraisal of the faculty easily. This project will be beneficiary for the whole system and provide ease to everyone. In a nutshell, this will stand as virtual/digital diary of teacher.

Keywords: *HTM, PHP, CSS*

1. INTRODUCTION

This website is an online platform which is built exclusively for comfort of teacher. This website will be a secure place to store any sensitive information and documents. Every teacher will have their separate login ids and password and only higher authorities and the user itself will be able to access the information which will be input in the website. It is going to reduce a lot of manual work for the teachers. Here there is no threat of losing data and data can be accessed at anytime from anywhere just simply login and there's all your data before you. We can also protect losing data due to natural calamities like flood, earthquake, tsunami, etc. It is a very ecofriendly way which to store data that reduces paper work hence, helps in reducing paper wastage.] Consider yourself in place of a teacher. You are already behind schedule, you are actually supposed to be in class in 5 minutes completing today's task, but you are unable to find a very important document about your book which was published and was a huge success and now your higher authorities are demanding for it right at this moment. It's a very stressful situation to be caught in? Obviously it is. That's why we have created this website for all out teachers to store their important data, information, documents which makes them easy to access.

This website is an online platform which is built exclusively for comfort of teacher. This website will be a secure place to store any sensitive information and documents. Every teacher will have their separate login ids and password and only higher authorities and the user itself will be able to access the information which will be input in the website. It is going to reduce a lot of manual work for the teachers. Here there is no threat of losing data and data can be accessed at anytime from anywhere just simply login and there's all your data before you. We can also protect losing data due to natural calamities like flood, earthquake, tsunami, etc. It is a very eco friendly way which to store data that reduces paper work hence, helps in reducing paper wastage.

2. LITERATURE REVIEW

When we discussed the problems with our team members in front of our guide we found some problems for teachers in real world and we listed them as follows:

1. Loads of papers are wasted in manual data storage.
2. It is very difficult to search a particular document in the tons of paper.
3. It is time consuming for teachers.

4. There are chances to misplace important documents.
5. Sensitive data is not secure.
6. In natural calamities everything will be lost.

Then we discussed with our guide we came up with this solution. We decided to design an online digital platform which provided easy access, secure storage and hassle free process to work out every activity for teachers.] Shopping while selecting a topic for our mega-project we searched a lot of topics, but we didn't find them that useful for today's condition. Then we consulted with our guide and he came forth with the problems that teachers are facing in today's life about managing their documents so we came up with an idea to solve them. So we came up with this project which will be implemented in our college itself.

When we discussed the problems with our team members in front of our guide we found some problems for teachers in real world and we listed the as follows:

1. Loads of papers are wasted in manual data storage.
2. It is very difficult to search a particular document in the tons of paper.
3. It is time consuming for teachers.
4. There are chances to misplace important documents.
5. Sensitive data is not secure.
6. In natural calamities everything will be lost.

Then we discussed with our guide we came up with this solution. We decided to design an online digital platform which provided easy access, secure storage and hassle free process to work out every activity for teachers.

3. OBJECTIVE AND SCOPE OF PROJECT

OBJECTIVE OF PROJECT

- Design and implement online digital platform to save/update/delete data of daily routine work.
- To provide secure access to sensitive data of teachers.
- Design and implement well organized data structure to reduce paper work and time.

SCOPE OF PROJECT

The intention behind this project is to reduce the stress over the teacher's and reduce their efforts about manually storing the data. The mess caused by all those papers will be reduced due to this digital platform. We will provide a safe and secure place to store teacher's data. It is going to reduce the efforts of teacher to manage the document and reduce the time required and teachers will be able to give that time for their teaching planning. Sanctioning leave will get easier for teacher. Maintaining attendance record is going to be easier too.

4. METHODOLOGY

MODULE 1: DASHBOARD

Dashboard is basically the front view of all data. It will contain the tabs option of the website contents. It will contain all the important information about the data from the website. It provides a-glance views of objectives on the platform. Visibility of total system will be gained here. In the dashboard different data sources will be combined on this single page. It will be an information management tool that will monitor and analyze the information.

MODULE 2: PROFILE

Personal information tab will contain all the personal data of the teacher. This will help to maintain the records of personal information about teacher for emergency purpose. Teacher will have to fill their basic information according to the points mentioned on the form. It will ask information like full name, address, district, taluka, city, state, pin code, date of birth, gender, age, religion, caste, mobile no, telephone no, email address, marital status, blood group, mother tongue, aadhar card no, pan card no, etc.

MODULE 3: ACADEMIC INFORMATION

Academic information tab will have all the academic that is professional information of the teacher. It will help to find the qualification of the teacher. It will contain elements like name of school, name of college, percentage of ssc, percentage of hsc/diploma, percentage of degree, branch, certificates of every mark sheet, teaching experience, extracurricular activities/courses, post, etc.

MODULE 4: SELF APPRAISAL

This tab will for uploading teacher's certificates, documents, proofs related to workshop, seminar, etc. Teacher will be able to upload his/her extracurricular activities here. We are going to use JavaScript language to design the platform. For database php tool will be used to save the data. We will develop it on visual studio code.

MODULE 5: COURSE FILE

Course file literally contains every detail about the teacher's academic year ahead. It will contain points like faculty profile, PO's, PSO's, PEO's, academic calendar, individual time table, student roll call with phone no.s, teaching and examination scheme and syllabus, course plan, sessional test schedule, result analysis, progressive assessment of practical and theory, feedback and appreciation letter, notes, etc. It is very hectic to maintain hardcopy of these documents so to overcome them we have provided this online platform to store this information.

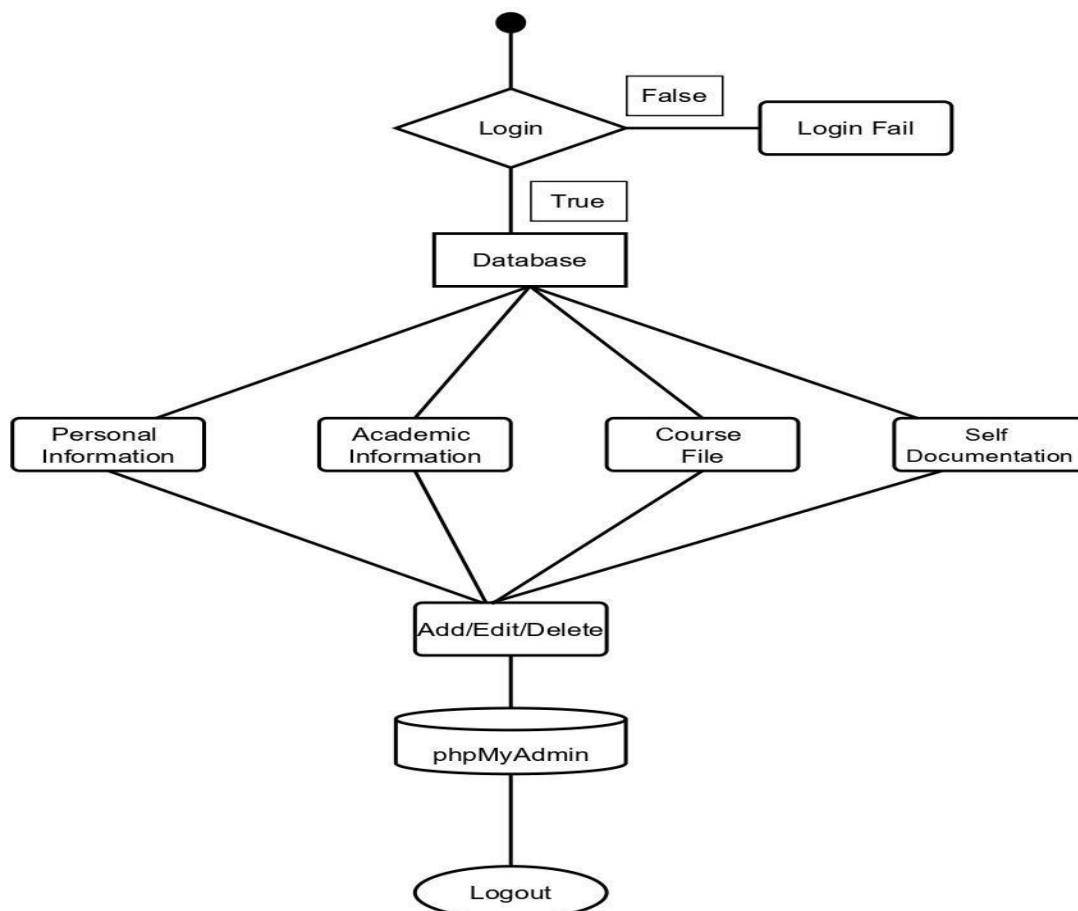
5. FLOWCHART

Figure 5.1: Flowchart

6. SYSTEM CONFIGURATION**HARDWARE REQUIREMENT**

- Laptop
- RAM – 8 GB
- Processor
- Version-Windows10
- Wi-Fi or Internet connection

SOFTWARE REQUIREMENT

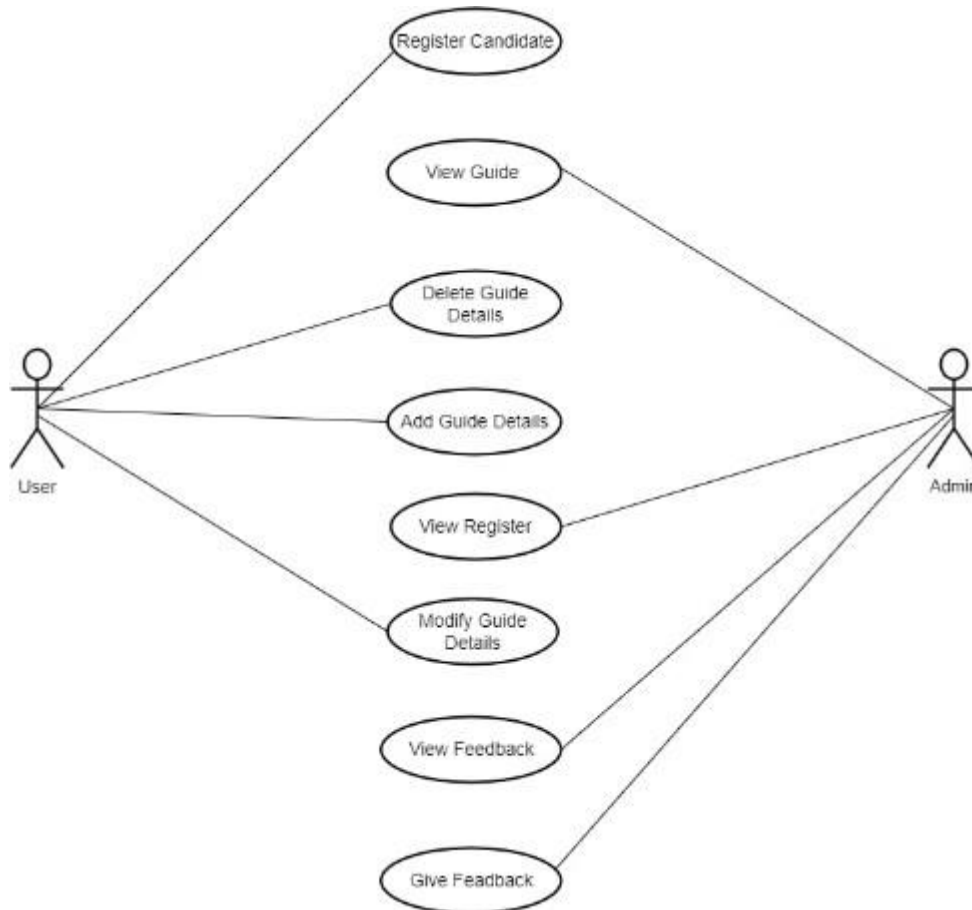
- Operating System – Windows 7 and above
- Languages – JavaScript, php
- Tool – Visual Studio

- Browser -Chrome, Firefox, Opera , UCBrowser ,etc.

DATABASE REQUIREMENT

- MySql

7. USE CASE DIAGRAM

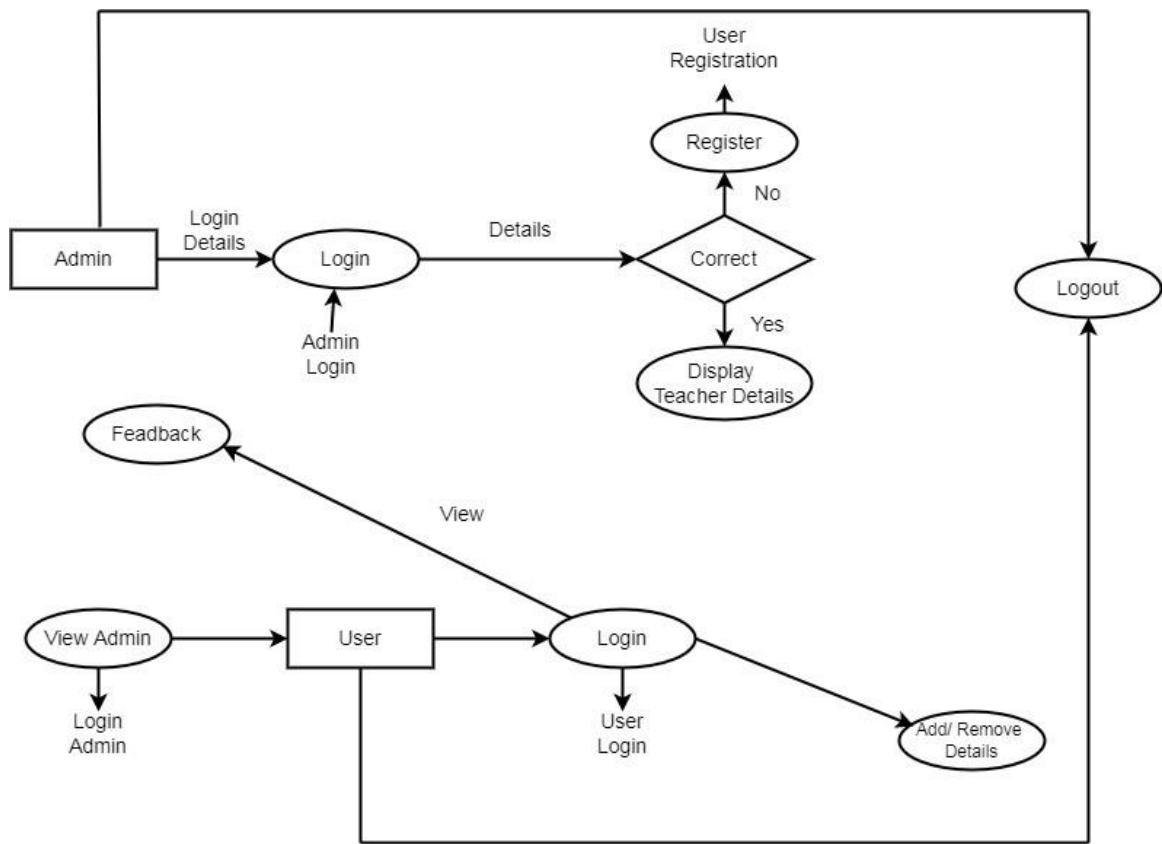


7.1 Use Case Diagram

8. DATA FLOW DIAGRAM



DFD LEVEL 0

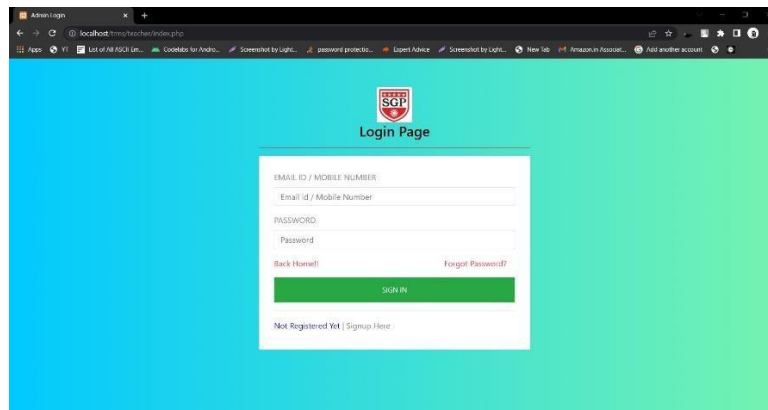
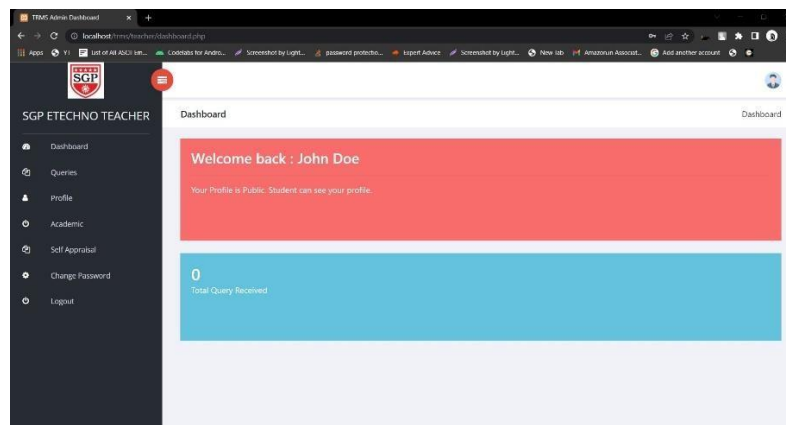


DFD Level 1

9. RESULT OF PROJECT

SNAPSHOTS OF PROJECT



Snapshot 9.1.1 Index Page**Snapshot 9.1.2 Login Page****Snapshot 9.1.3 Dashboard****10. CODE OF MODULES**

```

<?php session_start(); error_reporting(0);

include('includes/dbconnection.php'); if(isset($_POST['login']))

{

$username=$_POST['username'];

$password=md5($_POST['password']);

$sql ="SELECT ID,Name FROM tblteacher WHERE (Email=:username || MobileNumber=:username) and password=:password";

$query=$dbh->prepare($sql);

$query-> bindParam(':username', $username, PDO::PARAM_STR);

$query-> bindParam(':password', $password, PDO::PARAM_STR);

$query-> execute();

$results=$query->fetchAll(PDO::FETCH_OBJ); if($query->rowCount() > 0)

```

```
{
foreach ($results as $result) {
$_SESSION['trmsuid']=$result->ID;
$_SESSION['trmstname']=$result->Name;
}

echo "<script type='text/javascript'> document.location ='dashboard.php'; </script>";
}
else{
echo "<script>alert('Invalid Details');</script>";
}
}
?>

<!doctype html>
<html class="no-js" lang="en">
<head>
<title> Admin Login</title>
<link rel="apple-touch-icon" href="apple-icon.png">
<link rel="stylesheet" href="../../vendors/bootstrap/dist/css/bootstrap.min.css">
<link rel="stylesheet" href="../../vendors/font-awesome/css/font-awesome.min.css">
<link rel="stylesheet" href="../../vendors/themify-icons/css/themify-icons.css">
<link rel="stylesheet" href="../../vendors/flag-icon-css/css/flag-icon.min.css">
<link rel="stylesheet" href="../../vendors/selectFX/css/cs-skin-elastic.css">
<link rel="stylesheet" href="../../assets/css/style.css">

<link href='https://fonts.googleapis.com/css?family=Open+Sans:400,600,700,800' rel='stylesheet' type='text/css'>
</head>
<body class="bg-dark" style=" background-image: url('images/cool-background.png');">
<div class="sufee-login d-flex align-content-center flex-wrap" >
<div class="container">
<div class="login-content">
<div class="login-logo">

<h3 style="color:black">Login Page</h3>
```

```
<hr color="red"/>
</div>
<div class="login-form">
<form action="" method="post" name="login">
<div class="form-group">
<label>Email Id / Mobile Number</label>
<input type="text" class="form-control" placeholder="Email id / Mobile Number" required="true" name="username">
</div>
<div class="form-group">
<label>Password</label>
<input type="password" class="form-control" placeholder="Password" name="password"
required="true">
</div>
<div class="checkbox">
<label class="pull-left">
<a href="./index.php">Back Home!!</a>
<label class="pull-right">
<a href="forgot-password.php" style="padding-left: 250px">Forgot Password?</a>
</label>
</div>
<button type="submit" class="btn btn-success btn-flat m-b-30 m-t-30" name="login">Sign
in</button>
<hr />
<p style="color:blue">Not Registered Yet | <a href="signup.php">Signup Here</a></p>
</form>
</div>
</div>
</div>
</div>
<script src="./vendors/jquery/dist/jquery.min.js"></script>
<script src="./vendors/popper.js/dist/umd/popper.min.js"></script>
<script src="./vendors/bootstrap/dist/js/bootstrap.min.js"></script>
<script src="./assets/js/main.js"></script>
</body>
```


</html>

11. ADVANTAGES AND DISADVANTAGES OF PROPOSED SYSTEM

ADVANTAGES

- It will keep data safe and secure.
- Data will be easy to access.
- Paper work and time consumption will be reduced.
- Chances of losing data are reduced.

LIMITATIONS

- Due to network connectivity interruptions may occur.

12. CONCLUSION

Keeping the 21st century's technology in view, this system is developed to reduce teachers effort by providing a online platform to store all their data.

REFERENCE

- [1] <https://www.w3schools.com>
- [2] <https://stackoverflow.com>
- [3] <https://zamp-php.soft112.com>.
- [4] <https://uicookies.com>