VIVEKANAND EDUCATION SOCIETY'S
INSTITUTE OF TECHNOLOGY

Department Of Electronics Engineering

Database Management Systems(ELXLDLO5011)

COURSE PROJECT
"Application to Search Faculty"

A Report Submitted
For partial fulfilment in Course-project of
Database Management Systems subject.

SUBMITTED BY

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OF
TE-(D11A)
Under the guidance of
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CERTIFICATE OF APPROVAL OF COURSE PROJECT

THIS IS TO CERTIFY THAT

SAYLI SAWANT, AMEY SONJE, YOGESH TEMBE OF THIRD YEAR "ELECTRONICS ENGINEERING" STUDYING UNDER THE UNIVERSITY OF MUMBAI HAS SATISFACTORILY PRESENTED THE PROJECT ON "**Application To Search Faculty**" AS A PART OF THE COURSE WORK OF **COURSE PROJECT** FOR SEMESTER V IN THE ACADEMIC YEAR OF 2019-20.

DATE :

INTERNAL
EXAMINER

Outline :

Introduction :

We aim by the topic of 'Search Faculty' to simplify the process of searching faculty in colleges and ease the process whilst saving time.We aim to inculcate this project as an android and web application for students studying at colleges.

Problem Statement :

- Many problems are faced by students while finding faculties around the Campus.

- Students find it difficult to locate cabins of faculties and hence it wastes their time.

- During submissions and important work related queries students had to find faculties all over the campus.

Software Specifications :

Netbeans IDE :-

Netbeans IDE can be used to create a user interface using java.

HTML :-

It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript which can be used for designing web applications.

CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language like HTML.

Javascript :-
JavaScript ,often abbreviated as JS, is a high-level, interpreted scripting language that conforms to the ECMAScript specification. JavaScript has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.

PHP :-
PHP: Hypertext Preprocessor (or simply PHP) is a general-purpose programming language originally designed for web development.

PhpMyAdmin:-
phpMyAdmin is a free and open source administration tool for MySQL and MariaDB. As a portable web application written primarily in PHP, it has become one of the most popular MySQL administration tools, especially for web hosting services.

WAMP Server :-
WampServer refers to a software stack for the Microsoft Windows operating system, created by Romain Bourdon and consisting of the Apache web server, OpenSSL for SSL support, MySQL database and PHP programming language.

Implementation :

Code for connectivity between database and login page :

```php
<?php

session_start();
$username = filter_input(INPUT_POST, 'username');
$password = filter_input(INPUT_POST, 'password');
$account = filter_input(INPUT_POST, 'account');
  $_SESSION['username']=$username;
  $_SESSION['password']=$password;

if (isset($username)){
  if(isset($password)){
    $db=mysqli_connect("localhost","root","Panda@19","project")
      $sql="SELECT * FROM `login` WHERE username='$username'
AND password='$password' AND account='$account'";

    $query=mysqli_query($db,$sql);
    $result=mysqli_num_rows($query);

    if($result){
      if($account=='faculty'){
        include 'facultypage.php';
      }
      else
      {
        include 'studentpage.php' ;
      }
```

```php
        }
        else{
      echo "Invalid Entry";
          }


    }
    else{
       echo "password should not be empty";
      die();
    }
}
else{
    echo "username should not be empty";
    die();
}
mysqli_close($db);

?>
```

Code For Connectivity between database and user interface :

```php
<?php

if($_SERVER['REQUEST_METHOD']=="POST"                      and
isset($_POST['find']))
{
```

```php
    func();
}
{

$faculty_number=filter_input(INPUT_POST, 'faculty_number');
$day = filter_input(INPUT_POST, 'day');
$slot = filter_input(INPUT_POST, 'slot');
$hour = filter_input(INPUT_POST, 'hour');
$Room_Number = filter_input(INPUT_POST, 'Room_Number');


$con=mysqli_connect("localhost","root","Panda@19","project");
// Check connection
if (mysqli_connect_errno())
  {
  echo "Failed to connect to MySQL: " . mysqli_connect_error();
  }



$sql2="SELECT `$hour` FROM `facultytimetable` WHERE `faculty
number`='$faculty_number' AND `slot`='$slot' AND `day`='$day'";

if ($result2=mysqli_query($con,$sql2))
  {
  // Fetch one and one row
  while ($row2=mysqli_fetch_row($result2))
    {
    ?>
```

```php
<script type="text/javascript">
 alert("Room Number:<?php echo $row2[0]?>");
</script>
<?php


  }
// Free result set
mysqli_free_result($result2);
}
if(!$result2){
   ?>


<script type="text/javascript">
 alert("Invalid Entry!!");
</script>
<?php
}


 }

?>
```
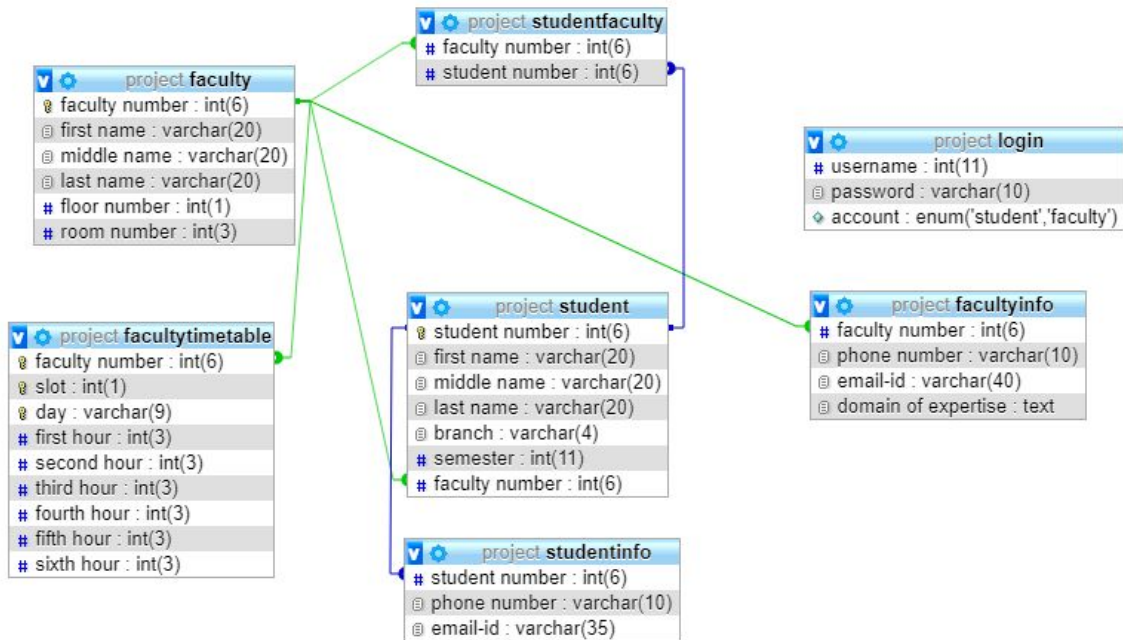
Results :

Back end :

Faculty timetable :

faculty number	slot	day	first hour	second hour	third hour	fourth hour	fifth hour	sixth hour
125001	2	Friday	212	202	403	219	212	208
125001	2	Monday	209	211	211	219	219	219
125001	2	Saturday	302	403	212	219	219	219
125001	2	Thursday	302	212	218	208	219	219
125001	2	Tuesday	208	205	209	209	202	203
125001	2	Wednesday	302	403	212	208	219	219
125002	1	Friday	204	207	225	201	204	203
125002	1	Monday	220	202	201	302	305	204
125002	1	Saturday	203	204	213	220	403	220
125002	1	Thursday	207	208	220	220	220	220
125002	1	Tuesday	302	220	220	203	204	213
125002	1	Wednesday	211	224	220	220	208	213

Faculty Info :

faculty number	phone number	email-id	domain of expertise
125001	55555	ggggg	solar
125001	1122	sana	domain
125002	3434343434	2011.nishita5002@gmail.com	M.Tech VLSI
125002	NULL	nishitakant@gmail.com	

Faculty :

faculty number	first name	middle name	last name	floor number	room number
125001	shreejan	jay	singh	2	208
125002	nishita	raghavan	kant	2	220

Student info

student number	phone number	email-id
175020	77777	2017.amr30@gmail.com
175020	1111111111	
175021	111222222	2017.harshita5021@gmail.com
175022	1919191919	kamini89@gmail.com
175023	2323232323	kaderxo@gmail.com
175024	8888888888	unkar5024@gmail.com
175024		unkar23@gmail.com
175025	6767676767	tushar5025@gmail.com
175026	4545454545	khushi5026@gmail.com
175027	3333333333	yashpp@gmail.com
175027	6666666666	

Student Faculty

faculty number	student number
125001	175020
125001	175021
125001	175022
125001	175023
125002	175024
125002	175025
125002	175026
125002	175027

Student

student number	first name	middle name	last name	branch	semester	faculty number
175020	Ami	san	sonavane	EXTC	4	125001
175021	harshita	ram	rasike	ETRX	3	125001
175022	kamini	pushpa	teske	EXTC	6	125001
175023	kader	sumit	keskar	ETRX	3	125001
175024	unkar	hanumant	shirke	COMP	2	125002
175025	tushar	kanvar	rathod	ETRX	6	125002
175026	khushi	samir	singh	COMP	2	125002
175027	yash	wasnar	kanchi	EXTC	4	125002

Front End :

Login Page:
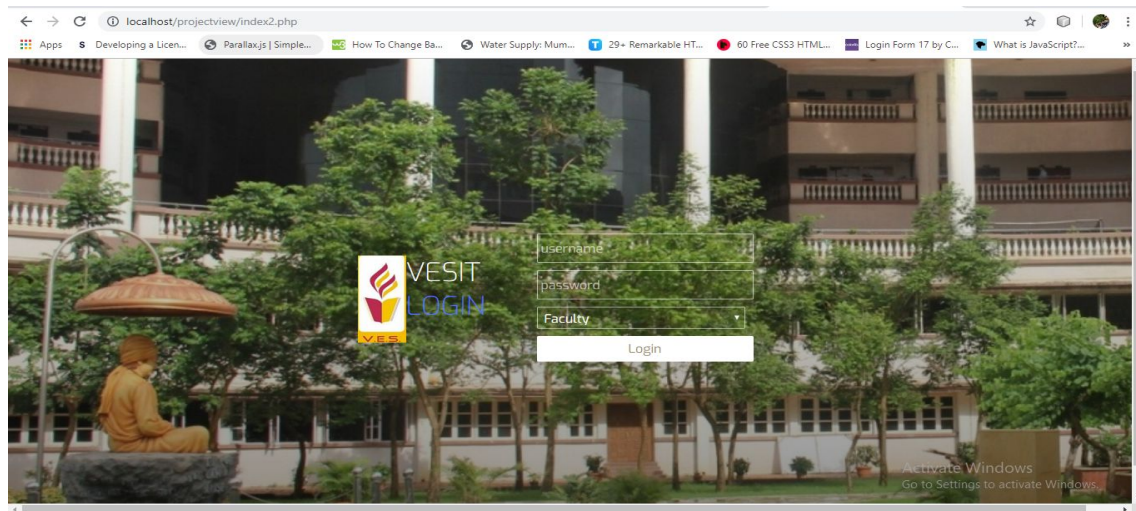
Faculty Page (Edit Basic Information):
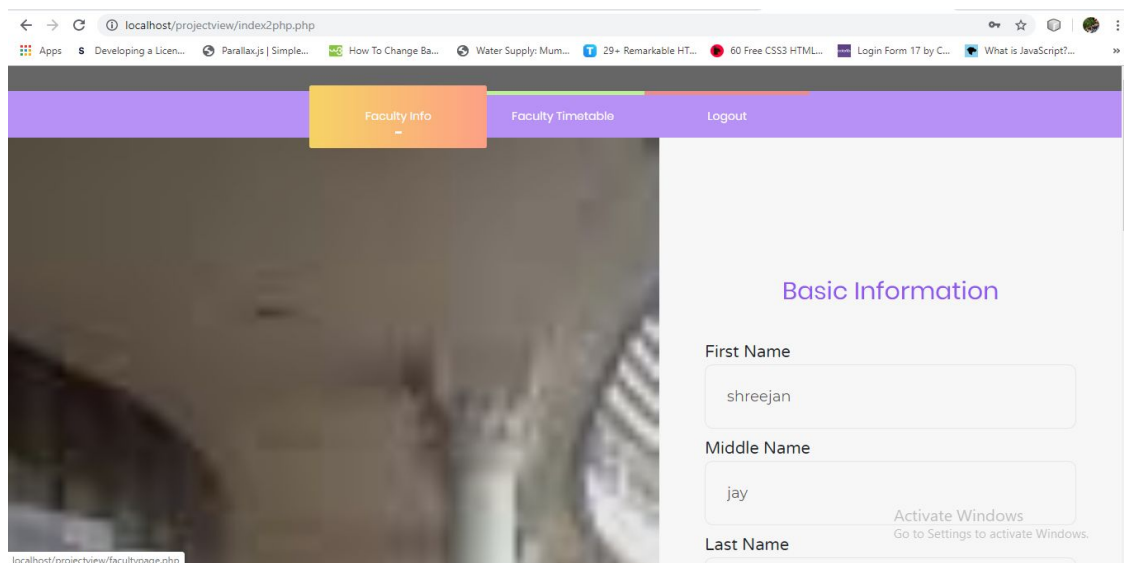
Faculty Timetable Page (Edit Timetable):

Timetable

Day	Slot	First Hour	Second Hour	Third Hour	Fourth Hour	Fifth Hour	Sixth Hour	Save
Monday	2	209	211	211	219	219	219	Save
Tuesday	2	208	205	209	209	202	203	Save
Wednesday	2	302	403	212	208	219	219	Save
Thursday	2	302	212	218	208	219	219	Save
Friday	2	212	202	403	219	212	208	Save
Saturday	2	302	403	212	219	219	219	Save

Student Page (Edit Basic Information):

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Faculty Search Page (For Students):
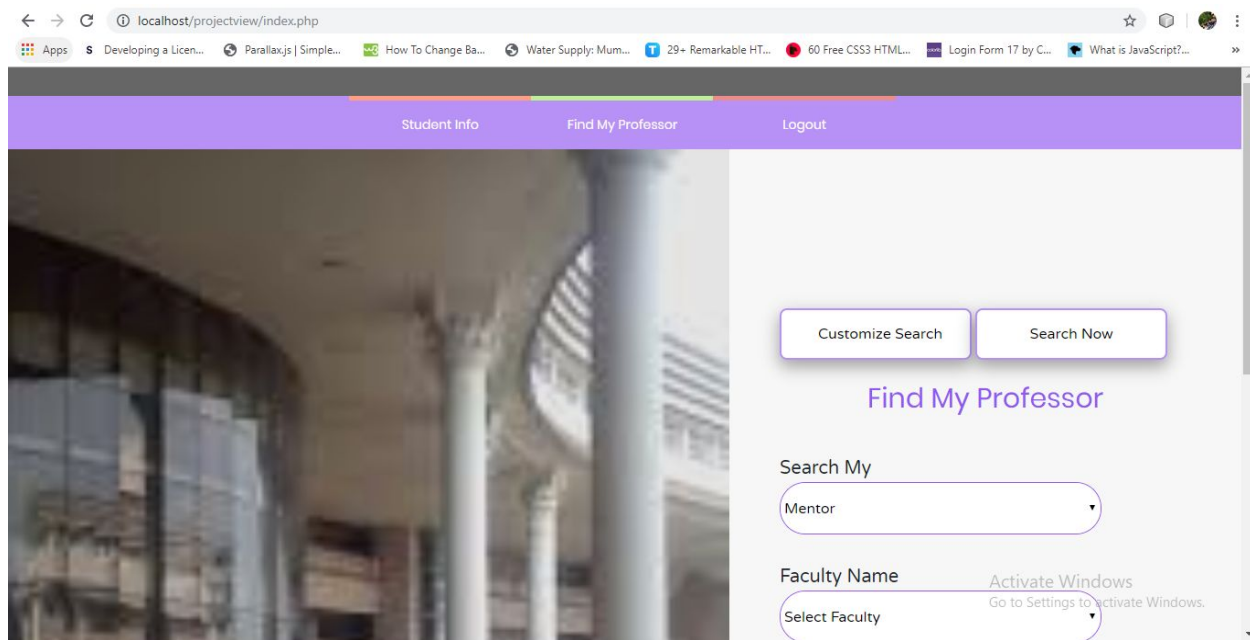
Conclusion :

- So this web applications is easy to access and will help fresher students to solve the problems faced by them.
- Each and every student will be updated about competitions, events and scholarships.So none of the student will miss any of the important update.
- e-Attendance system will help faculty by reducing their efforts to handle attendance sheets of all of their lectures.
- Students can keep track of their attendance so that if they are less in attendance in some subjects they can improve it.
- This web application mostly provides all the features in one place and makes all the features easy to access and thus saving the time to access each of these features through different applications.
- This web application saves the space required in mobile phones to keep different apps for different purposes.

References :

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