

**PROFESSIONAL TRAINING REPORT AT**  
**Sathyabama Institute of Science and Technology**  
**(Deemed to be University)**

Submitted in partial fulfillment of the requirements for the award  
of Bachelor of Technology Degree in Information Technology

By  
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**DEPARTMENT OF INFORMATION TECHNOLOGY**  
**SCHOOL OF COMPUTING**  
**SATHYABAMA INSTITUTE OF SCIENCE AND**  
**TECHNOLOGY**  
**JEPPIAAR NAGAR, RAJIV GANDHI SALAI,**  
**CHENNAI – 600119. TAMILNADU**

**JANUARY-2021**



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## SCHOOL OF COMPUTING

### BONAFIDE CERTIFICATE

This is to certify that this Project Report is the Bonafide work of who carried out the project entitled ONLINE COURSE REGISTRATION SYSTEM under our supervision from JAN 2021 .

**Internal Guide**

**Dr. Mary Gladence.L M.E., Ph.D.,**

**Head of the Department**

**Dr. R. Subhashini M.E., Ph.D.,**

---

Submitted for Viva voce Examination held on \_\_\_\_\_

Internal Examiner

External Examiner

## **DECLARATION**

I hereby declare that the Project Report entitled "**ONLINE COURSE REGISTRATION SYSTEM**" done by me under the guidance of Dr. Mary Gladence.L M.E., Ph.D., at Sathyabama Institute of Science and Technology (Deemed to be University), Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600119 is submitted in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Information Technology.

**DATE:** 22/01/2021

**Place:** Chennai

**SIGNATURE OF THE CANDIDATE**



## ACKNOWLEDGEMENT

I am pleased to acknowledge our sincere thanks to Board of management of **SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey our thanks to **Dr. T. SASIKALA M.E., Ph.D., Dean, School of Computing** and **Dr. R. SUBHASHINI M.E., Ph.D., Head of the Department, Department of Information Technology** for providing us the necessary support and details at the right time during the progressive reviews.

I would like to express our sincere and deep sense of gratitude to our Project **Dr. MARY GLADENCE.L M.E., Ph.D.,** for her valuable guidance, suggestions and constant encouragement paved way for the successful completion of my project work.

I wish to express our thanks to all Teaching and Non-teaching staff members of the Department of **INFORMATION TECHNOLOGY** who were helpful in many ways for the completion of the project.





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## **1.ABSTRACT:**

Student course registration process in colleges involve filling registration forms manually, getting it signed by respective subject teachers, and then getting the documents acknowledged from the concerned Advisors, College Deans and Accounts Officers respectively. Finally, the registration forms are submitted in the Administrative Branch. As is evident, this process is very laborious and time consuming. An Online Student Course Registration System has been developed to simplify the current manual procedure.

## **2. INTRODUCTION:**

An online registration system was developed where a student can register himself. The registration form has been designed to be user friendly and easy to fill and hence leads to saving of time and money as compared to multiple forms filled manually by the students. 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.

### **2.1 PROJECT DESCRIPTION:**

Each student has a unique student ID and a profile. The profile includes first/last names, gender, date of birth, local address, department, enrolled year, username, login password, and may have a picture. You can also add other necessary information.

- Each instructor has a unique faculty ID and a profile. The profile must indicate the instructor's department(s). An instructor may work at more than one department. A department has a unique department ID, a name and a list of faculties.
- Each course has a course number, an instructor, given department, term, credits, classroom, periods, prerequisite courses, textbooks, and other information you think is necessary.
- A classroom has a unique ID and a unique location. Classrooms can hold more than one course each term, but these courses cannot conflict in time. Classrooms have capacities. Registered students' number cannot exceed the class room capacity.

- Must maintain all the courses a student has already taken/registered. This is used to check course prerequisites when registration.
- Students may login (with username and password) to the system to register courses or retrieve all the courses they have already taken/registered.
- Instructors may login (with username and password) to the system to add courses or retrieve all the courses they have already given/added.
- A student cannot register a course if: 1) he/she doesn't meet the prerequisites, 2) the students registered in the course exceed the capacity of the classroom, 3) the course has a time conflict with other courses in the same term.
- An instructor cannot add a course if: 1) the classroom has already occupied by another course in the same period, 2) he/she has another course in the same period, 3) he/she is not affiliated to the department of this course.
- A day has 12 periods and a week has 5 days. Instructor provides periods when adding courses to the system.
- Students may retrieve all the courses given by a department, an instructor, or held in a specific period.

## **2.2 OBJECTIVE:**

- To computerise student and faculty database.
- To maintain data consistency and integrity.
- Automate the registration process without any physical human interaction
- Making the registration process accessible anywhere to the student.
- Allowing faculty to acknowledge registration requests from anywhere.

With the requirement of registration process for every semester, it becomes all the more important to simplify a process which is highly repetitive. The achievement of the above objectives can help the institution in managing the resources efficiently. The automated process will lead to time saving and eradication of common errors.

## **2.3 ADVANTAGE:**

- Save time
- Free Online
- Improved customer support
- Centralised data management

- Receive automated confirmation
- Improve event efficiency by a specific date



- Customised online registration
- Receive e-mails and notifications
- Enter multiple and team registrations

## **2.4 DISADVANTAGE:**

- Bugs and Data Crashes

## **3. MATERIAL AND METHODS:**

### **3.1 Present System:**

The existing system involves the student filling five identical forms called yellow forms which contain student's personal details as well as the courses he/she has to register during the next semester. After filling those forms, the student gets them signed by the respective subject teachers and the Advisor assigned. Then the student submits the semester fees and obtains the fee receipt and gets the signature of the Accounts Officer by obtaining the fee receipt. After this process, Dean Nominees acknowledges and confirms all the signatures and receipts and finally the forms are submitted in the administrative block. The student also receives one of the copies of the Yellow Form. As is evident, the student and faculty are hassled whilst completing the registration formalities and moreover, it leads to an added discomfort.

### **3.2 Proposed System:**

The web application system consists of five modules.

- Admin
- Masters
- Transactions
- Reports
- Utilities

#### **3.2.1 Admin Module:**

The administrative module is managed by the administrator. It is responsible for creating, managing, authenticating and authorising different users and user types. Currently we have six user types. I.E. Student, Head of Department, Registrar, Accounts Officer, Dean and Faculty. Under the Admin module the administrator can create and delete users and user types.

#### **Masters Module:**

Masters Module manages database entries of all the master tables from the front-end.

The Masters database is more or less permanent and is modified only at session start. The Masters Module currently manages these database tables namely: category, college, country, course,



course-category, credit/non-credit, department, designation, faculty, gender, qualification, quota, student, stream, Ug/Pg.

### **3.2.2 Transactions Module:**

Transactions Module facilitates the entries for Programme of Work and Student Registration from the front-end of the web application. Programme of Work is created when a student is first enrolled with the college and Registration is done at the beginning of every semester.

Programme of Work contains details of all the courses to be studied by the student during his/her degree. Registration caters to the courses a student has to study during the current semester. The List of Registration courses is obtained from the Programme of Work database.

### **3.2.3 Reports Module:**

Reports Module comprises of the final view of the entries made into the Admin, Masters and Transactions Modules. The information depicted inside the Reports Module is not visible to everyone in order to maintain data security, data integrity and consistency. The information is available according to the type of user logged into the system. This module contains reports for all the Admin, Masters and Transaction modules.

### **3.2.4 Utilities:**

Utilities menu contains two entries namely: Backup and Documentation. Backup offers options to Back up the database tables in SQL format and can be saved in the root directory. As per need, the user can take back up of some or all tables at any time. Documentation contains the project documentation prepared which contains the detailed project system requirements, analysis and future scope of the system.

## **4. SYSTEM REQUIREMENTS:**

### **4.1 SOFTWARE REQUIREMENTS:**

1. Language Used :PHP5.6
2. Database :MySQL 5.x
3. User Interface Design :HTML
4. Software :XAMPP / Wamp / Mamp/ Lamp (anyone)
5. OPERATING SYSTEM : WINDOWS10

## 4.2 HARDWARE REQUIREMENTS:

- i. PROCESS :INTELCORE(R)CORE(TM)(3-4)-470CPU



- ii. HARDS DISK :200GB
- iii. MEMORY :8GB RAM

### **4.3 SOFTWARE DESCRIPTION:**

#### **PHP:**

PHP is the most popular scripting language for web development. It is free, open source and server-side (the code is executed on the server).

#### **MYSQL:**

MySQL is a Relational Database Management System (RDBMS) that uses Structured Query Language (SQL)

#### **XAMPP:**

XAMPP is an abbreviation for cross-platform, Apache, MySQL, PHP and Perl, and it allows you to build WordPress site offline, on a local web server on your computer. This simple and lightweight solution works on Windows, Linux, and Mac.

## **5. System Development Life Cycle (SDLC):**

### **5.1 Analysis:**

A detailed analysis report was prepared before designing the project. Initially the registration system was manual and every step in this system was performed manually which wasted time of all concerned.

### **5.2 Feasibility Analysis:**

An online registration system was developed where a student can register himself. The registration form has been designed to be user friendly and easy to fill and hence leads to saving of time and money as compared to multiple forms filled manually by the students. . This analysis verified that the new system will be acceptable and adaptable to the new users. The economic feasibility study perceived that the project will produce long term gains for the institution. The cost benefit analysis proved that benefits of the proposed system undermine the costs involved, hence the system is worth implementing. The utility it provides to the students for completing the registration process and the provision it provides to the faculty for managing the database makes this project feasible to undertake.

### **5.3 Design:**

While designing the web application portal a three tier architecture for application development was followed.

### **5.3.1 Presentation tier:**

The presentation tier occupies the front end design of the application. It relates to every entity with which the user interacts. It accepts user inputs and actions, and then sends this information to the data tier through the application tier for further processing. The student course registration portal accepts input in the form of student's personal detail, student's registration details, faculty details etc.

### **5.3.2 Application tier:**

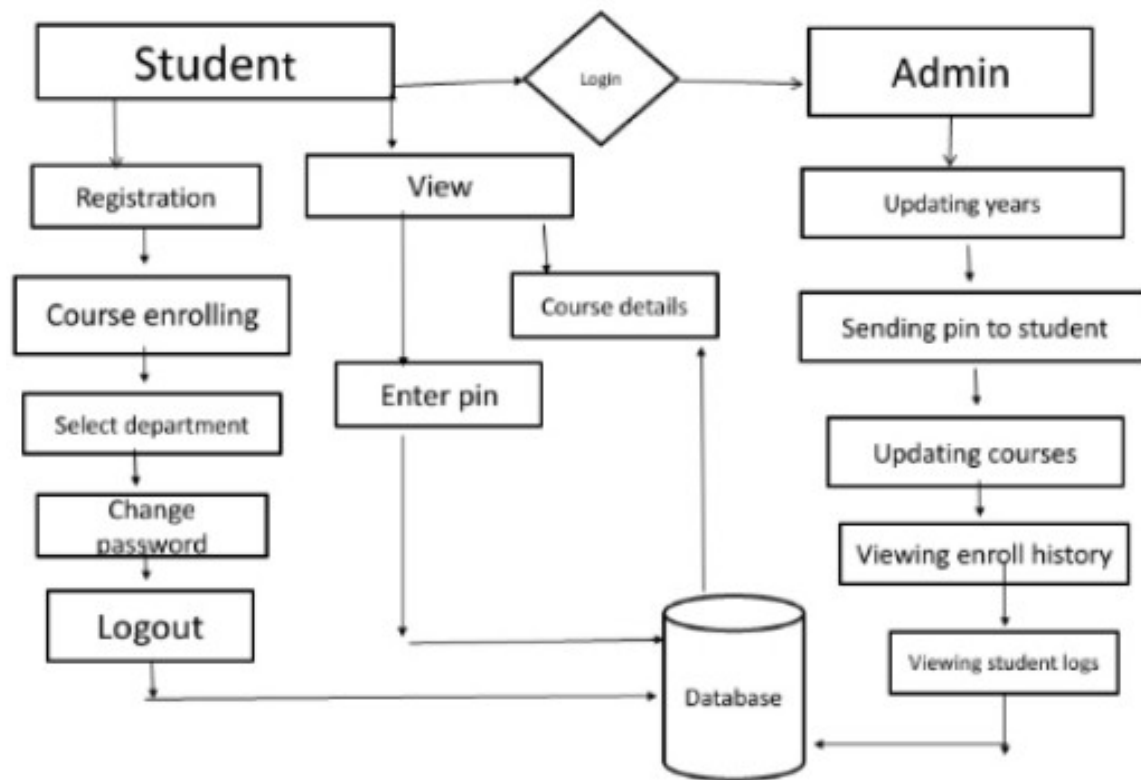
The second tier is application tier, it serves as an intermediary to the presentation tier and the data tier. It applies business logic to the input received from the presentation tier. The business logic is applied combining the information collected from upper and lower layers of the three tier architecture. When a student or a faculty member asks for a report to be retrieved, on the basis of this command data is fetched from the database and the required business logic is applied and finally a report is displayed to the user.

### **5.3.3 Data tier:**

. The data tier is kept independent of application servers and business logic to promote data security. The database is developed using MySQL keeping in mind the authenticity concerns of different users. All the necessary primary keys and access controls are depicted with utmost care.

## **6. LOGICAL DEVELOPMENT:**

### **6.1 Architechture diagram:**



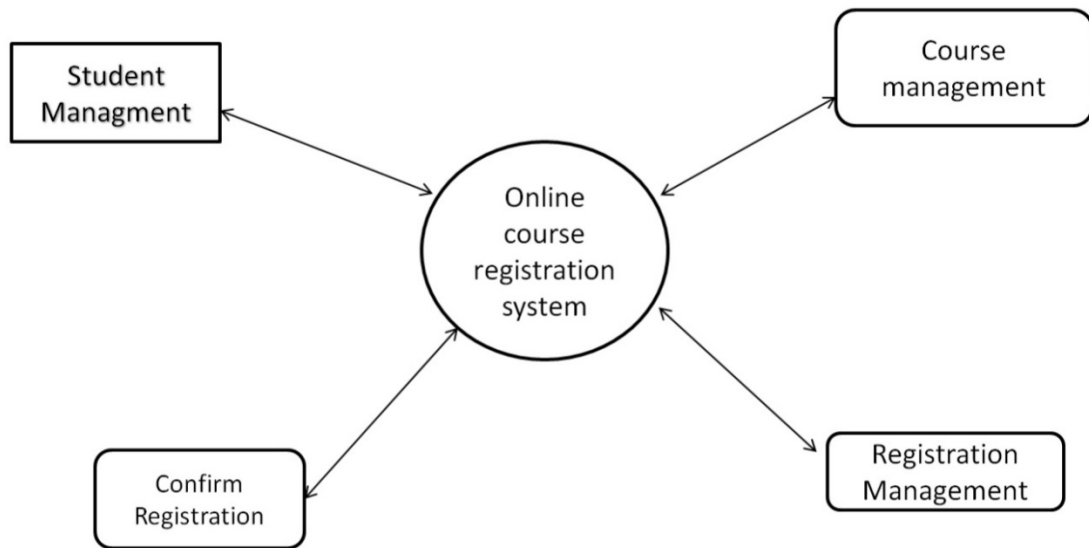
In the Unified Modeling Language (UML), a **use case diagram** can summarize the details of your system's users (also known as actors) and their interactions with the system. To build one, you'll **use** a set of specialized symbols and connectors.

## 6.2 DATA FLOW DIAGRAM:

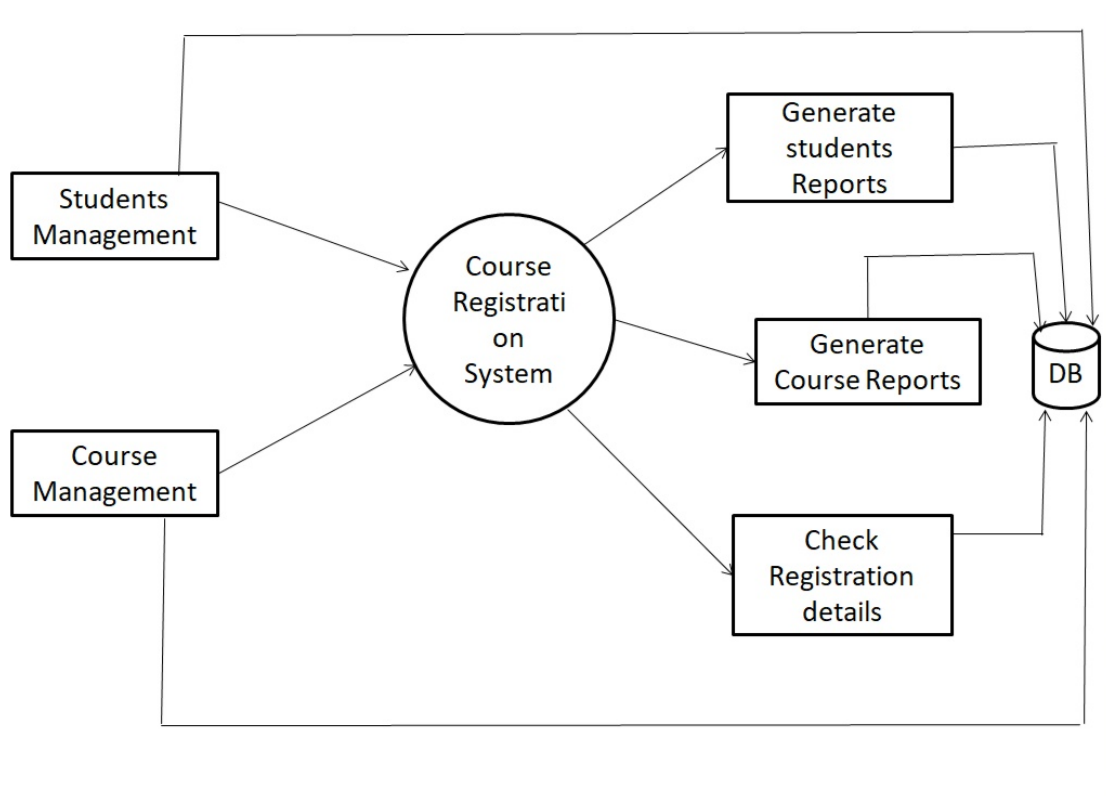
DFD, Data flow diagrams are used to graphically represent the flow of ... The logical data flow diagram describes flow of data through a system to ... those with the data dictionary during the developmental phase of the system.



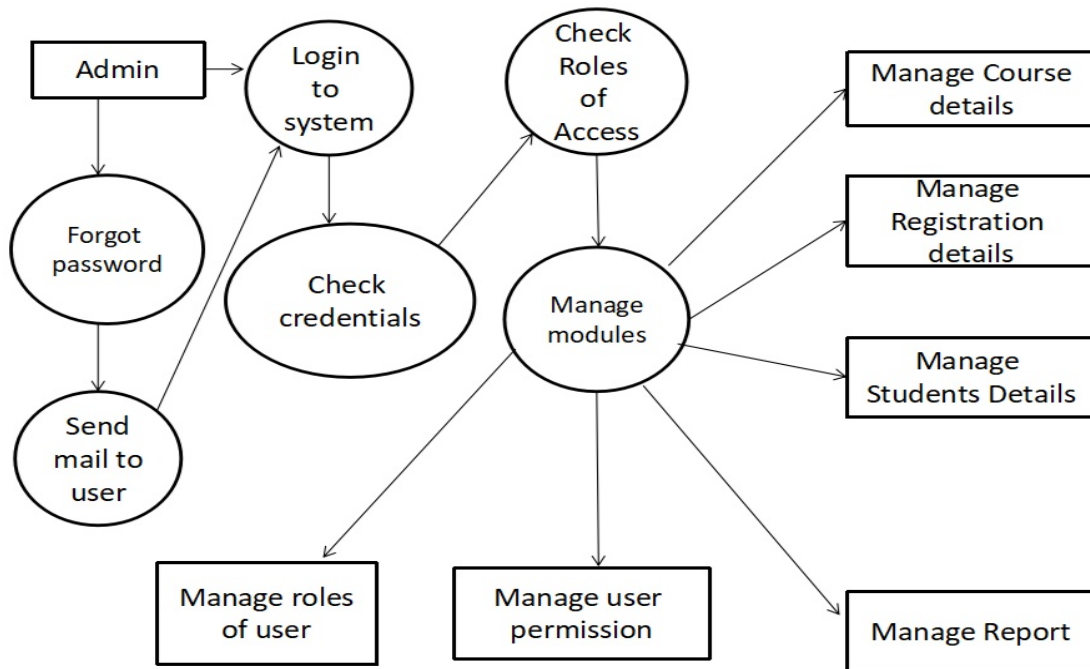
## LEVEL 0:



## LEVEL 1:

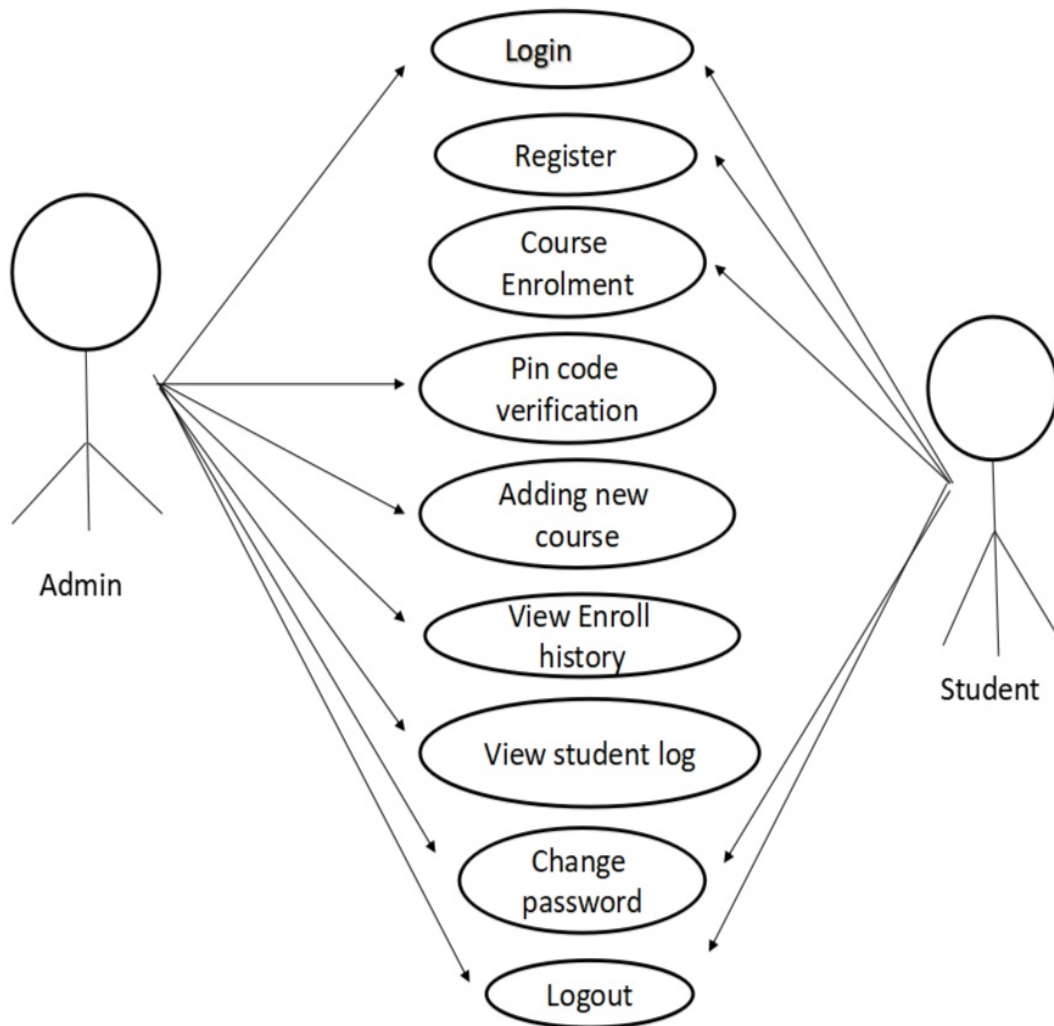


## LEVEL2:



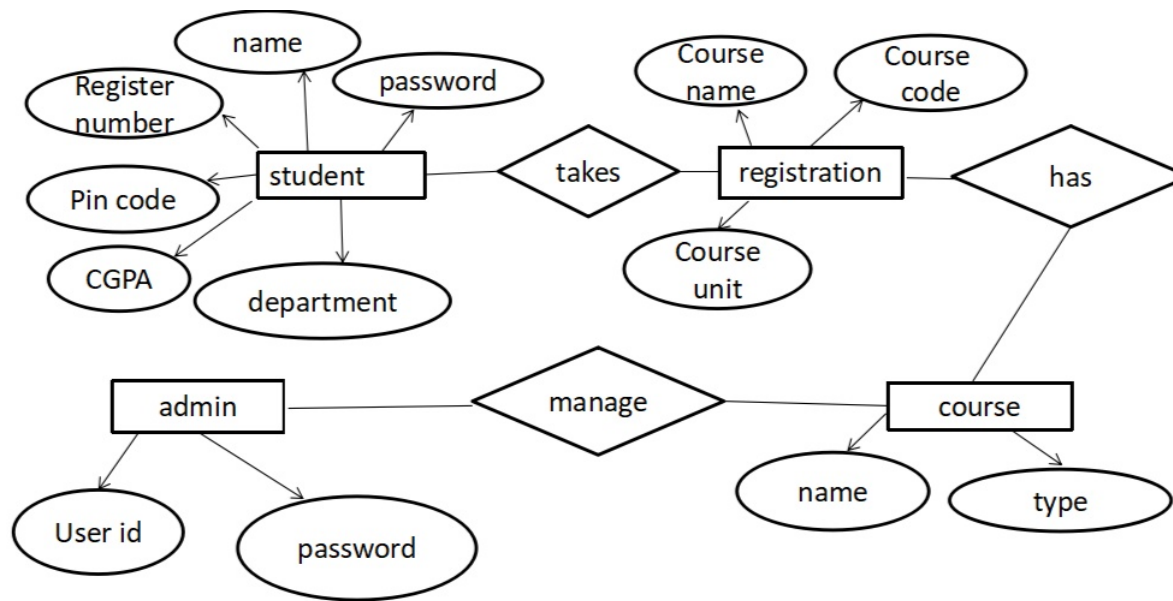
### 6.3 USECASE DIAGRAM:

use case diagram at its simplest is a representation of a user's interaction with the system that shows the relationship between the user and different use cases

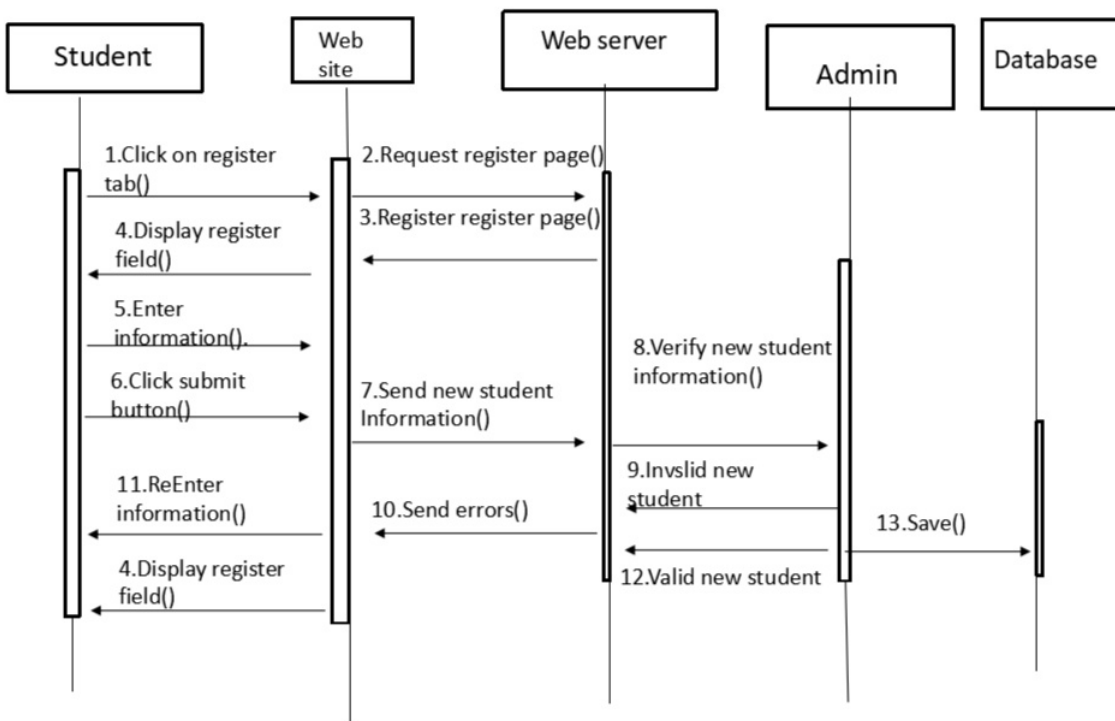


## 6.4 E-R DIAGRAM:

An entity-relationship model (or ER model) describes interrelated things of interest in a specific domain of knowledge. A basic ER model is composed of entity types (which classify the things of interest) and specifies relationships that can exist between entities (instances of those entity types).



## 6.5 SEQUENCE DIAGRAM:



## 7. TABLE SCREENSHOTS:

### 1.ADMIN:

| id | username | password                         | creationDate        | updateDate             |
|----|----------|----------------------------------|---------------------|------------------------|
| 1  | admin    | f925916e2754e5e03f75dd58a5733251 | 2020-10-15 21:51:18 | 21-10-2020 03:31:37 PM |

### 2.STUDENT:

| StudentRegno | studentPhoto | password                         | studentName  | pincode | session | department | semester | cgpa  | creationdate        | upd             |
|--------------|--------------|----------------------------------|--------------|---------|---------|------------|----------|-------|---------------------|-----------------|
| 113018621334 | NULL         | f925916e2754e5e03f75dd58a5733251 | mani megalai | 131863  | 2020    | HR         | 5        | 80.50 | 2020-08-25 11:20:51 |                 |
| 113018621346 |              | 1234                             | Sanjana      | 602302  | 2020    | TEST       | 5        | 7.25  | 2020-02-12 01:08:32 | 21-10-2020 09:4 |
| 113018621349 |              | 1873                             | Shivani bala | 385864  | 2020    | HR         | 6        | 90.05 | 2020-02-12 01:18:03 |                 |

### 3.COURSE:

| id | studentRegno | pincode | session | department | level | semester | course | enrollDate          |
|----|--------------|---------|---------|------------|-------|----------|--------|---------------------|
| 6  | 10806121     | 715948  | 4       | 7          | 5     | 6        | 4      | 2020-11-21 09:20:50 |
| 7  | 10806121     | 715948  | 4       | 7          | 6     | 5        | 1      | 2020-11-21 09:25:48 |
| 8  | 113017621345 | 602302  | 4       | 7          | 6     | 5        | 1      | 2020-11-21 09:49:14 |
| 9  | 113018621346 | 602302  | 4       | 7          | 6     | 6        | 4      | 2020-11-22 12:55:15 |

## 8. SOURCE CODE:

### CHANGE PASSWORD:

```
<?php
session_start();
include('includes/config.php');
error_reporting(0);
if(strlen($_SESSION['login'])==0
{
A
header('location:index.php');
}
else{
date_default_timezone_set('Asia/Kolkata');// change according timezone
$currentTime = date( 'd-m-Y h:i:s A', time () );
if(isset($_POST['submit']))
{
```

```

$sql=mysqli_query($con,"SELECT      password      FROM      students
where password='".md5($_POST['cpass'])."' && studentRegno='".$_SESSION['login']."'");
$num=mysqli_fetch_array($sql);
if($num>0)
{
$con=mysqli_query($con,"update  students  set
password='".md5($_POST['newpass'])."', updationDate='$currentTime' where
studentRegno='".$_SESSION['login']."'");
$_SESSION['msg']="Password Changed Successfully !!";
}
else
{
$_SESSION['msg']="Current Password not match !!";
}
}
?>

```

```

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1" />
    <meta name="description" content="" />
    <meta name="author" content="" />
    <title>Admin | Student Password</title>
    <link href="assets/css/bootstrap.css" rel="stylesheet" />
    <link href="assets/css/font-awesome.css" rel="stylesheet" />
    <link href="assets/css/style.css" rel="stylesheet" />
</head>
<script type="text/javascript">
function valid()
{

```

```

if(document.chngpwd.cpass.value=="")
{
alert("Current Password Filed is Empty !!");
document.chngpwd.cpass.focus();
return false;
}
else if(document.chngpwd.newpass.value=="")
{
alert("New Password Filed is Empty !!");
document.chngpwd.newpass.focus();
return false;
}
else if(document.chngpwd.cnfpass.value=="")
{
alert("Confirm Password Filed is Empty !!");
document.chngpwd.cnfpass.focus();
return false;
}
else if(document.chngpwd.newpass.value!= document.chngpwd.cnfpass.value)
{
alert("Password and Confirm Password Field do not match !!");
document.chngpwd.cnfpass.focus();
return false;
}
return true;
}
</script>
<body>
<?php include('includes/header.php');?>
    <!-- LOGO HEADER END-->
<?php if($_SESSION['login']!="")

```

```

{
include('includes/menubar.php');
}
?>
    <!-- MENU SECTION END-->
    <div class="content-wrapper">
        <div class="container">
            <div class="row">
                <div class="col-md-12">
                    <h1 class="page-head-line">Student Change Password </h1>
                </div>
            </div>
            <div class="row" >
                <div class="col-md-3"></div>
                <div class="col-md-6">
                    <div class="panel panel-default">
                        <div class="panel-
                            heading"> Change
                                Password
                        </div>
                        <font color="green" align="center"><?php echo htmlentities($_SESSION['msg']);?><?php echo
                            htmlentities($_SESSION['msg']="");?></font>

                            <div class="panel-body">
                                <form name="chngpwd" method="post" onSubmit="return valid();">
                            <div class="form-group">

                                <label for="exampleInputPassword1">Current Password</label>
                                <input type="password" class="form-control" id="exampleInputPassword1"
                                    name="cpass" placeholder="Password" />
                            </div>

```

```

    <div class="form-group">
      <label for="exampleInputPassword1">New Password</label>
      <input type="password" class="form-control" id="exampleInputPassword2"
name="newpass" placeholder="Password" />
    </div>
    <div class="form-group">
      <label for="exampleInputPassword1">Confirm Password</label>
      <input type="password" class="form-control" id="exampleInputPassword3"
name="cnfpass" placeholder="Password" />
    </div>
    <button type="submit" name="submit" class="btn btn-default">Submit</button>
    <hr />
  </form>
</div>
</div>
</div>

<!-- CONTENT-WRAPPER SECTION END-->
<?php include('includes/footer.php');?>

<!-- FOOTER SECTION END-->
<!-- JAVASCRIPT AT THE BOTTOM TO REDUCE THE LOADING TIME -->
<!-- CORE JQUERY SCRIPTS -->

<script src="assets/js/jquery-1.11.1.js"></script>
<!-- BOOTSTRAP SCRIPTS -->

<script src="assets/js/bootstrap.js"></script>
</body>
</html>

```

```
<?php } ?>
```

#### **CHECK AVAILABILITY:**

```
<?php session_start();
require_once("includes/config.php");
if(!empty($_POST["cid"])) {
    $cid= $_POST["cid"];
    $regid=$_SESSION['login'];$result =mysqli_query($con,"SELECT studentRegno FROM
courseenrolls WHERE course='$cid' and studentRegno=' $regid'");

    $count=mysqli_num_rows($result);
    if($count>0)
    {
        echo "<span style='color:red'> Already Applied for this
course.</span>"; echo
"<script>$('#submit').prop('disabled',true);</script>";
    }
}
if(!empty($_POST["cid"])) {
    $cid= $_POST["cid"];
    $result =mysqli_query($con,"SELECT * FROM courseenrolls WHERE course='$cid'");
    $count=mysqli_num_rows($result);
    $result1 =mysqli_query($con,"SELECT noofSeats FROM course WHERE id='$cid'");
    $row=mysqli_fetch_array($result1);
    $noofseat=$row['noofSeats'];
    if($count>=$noofseat)
    {
        echo "<span style='color:red'> Seat not available for this course. All Seats Are
full</span>"; echo "<script>$('#submit').prop('disabled',true);</script>";
    }
}
?>
```

## ENROLL

```
<?php
session_start();
include('includes/config.php');
error_reporting(0);
if(strlen($_SESSION['login'])==0 or strlen($_SESSION['pcode'])==0)
{
header('location:index.php');
}
else{

if(isset($_POST['submit']))
{
$studentregno=$_POST['studentregno'];
$pincode=$_POST['Pincode'];
$session=$_POST['session'];
$dept=$_POST['department'];
$level=$_POST['level'];
$course=$_POST['course'];
$sem=$_POST['sem'];
$ret=mysqli_query($con,"insert into
courseenrolls(studentRegno,pincode,session,department,level,course,seme
ster)
values('$studentregno','$pincode','$session','$dept','$level','$course','$sem')")
; if($ret)
{
$_SESSION['msg']="Enroll Successfully !!";
}
else
{
$_SESSION['msg']="Error : Not Enroll";
}
```

```
}  
?>
```

```
<!DOCTYPE html>  
<html xmlns="http://www.w3.org/1999/xhtml">  
<head>  
  <meta charset="utf-8" />  
  <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1"  
  />  
  <meta name="description" content="" />  
  <meta name="author" content="" />  
  <title>Course Enroll</title>  
  <link href="assets/css/bootstrap.css" rel="stylesheet" />  
  <link href="assets/css/font-awesome.css" rel="stylesheet" />  
  <link href="assets/css/style.css" rel="stylesheet" />  
</head>
```

```
<body>  
<?php include('includes/header.php');?>  
  <!-- LOGO HEADER END-->  
<?php if($_SESSION['login']!="")  
{  
include('includes/menubar.php');  
}  
?>  
  <!-- MENU SECTION END-->  
  <div class="content-wrapper">  
    <div class="container">  
      <div class="row">  
        <div class="col-md-12">  
          <h1 class="page-head-line">Course Enroll </h1>  
        </div>
```

```

</div>
<div class="row" >

<div class="col-md-3"></div>
<div class="col-md-6">
<div class="panel panel-default">
<div class="panel-
heading"> Course Enroll
</div>
<font color="green" align="center"><?php echo htmlentities($_SESSION['msg']);?><?php echo
htmlentities($_SESSION['msg']="");?></font>
<?php $sql=mysqli_query($con,"select * from students
where StudentRegno='".$_SESSION['login']."'");
$cnt=1;
while($row=mysqli_fetch_array($sql))
{
?>
<div class="panel-body">
<form name="dept" method="post" enctype="multipart/form-data">
<div class="form-group">
<label for="studentname">Student Name </label>
<input type="text" class="form-control" id="studentname" name="studentname"
value="<?php echo htmlentities($row['studentName']);?>" />
</div>

<div class="form-group">
<label for="studentregno">Student Reg No </label>
<input type="text" class="form-control" id="studentregno" name="studentregno"
value="<?php echo htmlentities($row['StudentRegno']);?>" placeholder="Student Reg no"
readonly </div>
<div class="form-group">
<label for="Pincode">Pincode </label>

```

```



```

```

<div class="form-group">
    <label for="Pincode">Student Photo </label>
    <?php if($row['studentPhoto']== ""){ ?>
    <?php } else {?>
    
    <?php } ?>
</div>
<?php } ?>

```

```

<div class="form-group">
    <label for="Session">Session </label>
    <select class="form-control" name="session" required="required">
    <option value="">Select Session</option>
    <?php
$sql=mysqli_query($con,"select * from
session"); while($row=mysqli_fetch_array($sql))
{
?>
<option value="<?php echo htmlentities($row['id']);?>"><?php echo
htmlentities($row['session']);?></option>
<?php } ?>
</select>
</div>

```

```

<div class="form-group">
    <label for="Department">Department </label>
    <select class="form-control" name="department" required="required">
        <option value="">Select Department</option>
        <?php
$ssql=mysqli_query($con,"select * from
department"); while($row=mysqli_fetch_array($ssql))
{
?>
<option value="<?php echo htmlentities($row['id']);?>"><?php echo
htmlentities($row['department']);?></option>
<?php } ?>
    </select>
</div>

```

```

<div class="form-group">
    <label for="Level">Level </label>
    <select class="form-control" name="level" required="required">
        <option value="">Select Level</option>
        <?php
$ssql=mysqli_query($con,"select * from level");
while($row=mysqli_fetch_array($ssql))
{
?>
<option value="<?php echo htmlentities($row['id']);?>"><?php echo
htmlentities($row['level']);?></option>
<?php } ?>
    </select>

```

</div>

```
<div class="form-group">
    <label for="Semester">Semester </label>
    <select class="form-control" name="sem" required="required">
        <option value="">Select Semester</option>
        <?php
$ssql=mysqli_query($con,"select * from
semester"); while($row=mysqli_fetch_array($ssql))
{
?>
<option value="<?php echo htmlentities($row['id']);?>"><?php echo
htmlentities($row['semester']);?></option>
<?php } ?>
</select>
</div>
```

```
<div class="form-group">
    <label for="Course">Course </label>
    <select class="form-control" name="course" id="course"
onBlur="courseAvailability()" required="required">
        <option value="">Select Course</option>
        <?php
$ssql=mysqli_query($con,"select * from course");
while($row=mysqli_fetch_array($ssql))
{
?>
<option value="<?php echo htmlentities($row['id']);?>"><?php echo
htmlentities($row['courseName']);?></option>
<?php } ?>
```

```

        </select>
        <span id="course-availability-status1" style="font-size:12px;">
    </div>
    <button type="submit" name="submit" id="submit" class="btn btn-default">Enroll</button>
</form>
</div>
</div>
</div>

```

```

</div>
<?php include('includes/footer.php');?>
    <script src="assets/js/jquery-1.11.1.js"></script>
    <script src="assets/js/bootstrap.js"></script>
<script>
function courseAvailability() {
    $("#loaderIcon").show();
    jQuery.ajax({
        url: "check_availability.php",
        data:'cid='+$("#course").val(),
        type: "POST",
        success:function(data){
            $("#course-availability-status1").html(data);
            $("#loaderIcon").hide();
        },
        error:function (){}
    });
}
</script>

```

```

</body>
</html>
<?php } ?>
ENROLL SYSTEM

<?php
session_start();
include('includes/config.php');
error_reporting(0);
if(strlen($_SESSION['login'])==0)
    {
header('location:index.php');
}
else{
?>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1" />
    <meta name="description" content="" />
    <meta name="author" content="" />
    <title>Enroll History</title>
    <link href="assets/css/bootstrap.css" rel="stylesheet" />
    <link href="assets/css/font-awesome.css" rel="stylesheet" />
    <link href="assets/css/style.css" rel="stylesheet" />
</head>
<body>
<?php include('includes/header.php');?>
    <!-- LOGO HEADER END-->
<?php if($_SESSION['login']!="")

```

```

{
include('includes/menubar.php');
}
?>
<!-- MENU SECTION END-->
<div class="content-wrapper">

<div class="container">
<div class="row">

<div class="col-md-12">
<h1 class="page-head-line">Enroll History </h1>
</div>

</div>
<div class="row" >


<div class="col-md-12">
<!-- Bordered Table -->
<div class="panel panel-default">
<div class="panel-heading">
Enroll History
</div>
<!-- /.panel-heading --
<div class="panel-body">
<div class="table-responsive table-
bordered"> table class="table">
<thead>
<tr>
<th>#</th>
<th>Course Name </th>
<th>Session </th>
<th> Department</th>

```

```

        <th>Level</th>
        <th>Semester</th>
        <th>Enrollment Date</th>
        <th>Action</th>
    </tr>

</thead>
<tbody>

<?php
$sql=mysqli_query($con,"select courseenrolls.course as cid, course.courseName as
courname,session.session as session,department.department as dept,level.level as
level,courseenrolls.enrollDate as edate ,semester.semester as sem from courseenrolls join
course on course.id=courseenrolls.course join session on session.id=courseenrolls.session
join department on department.id=courseenrolls.department join level on
level.id=courseenrolls.level join semester on semester.id=courseenrolls.semester where
courseenrolls.studentRegno='".$_SESSION['login']."'");
$cnt=1;
while($row=mysqli_fetch_array($sql))
{
?
    <tr>

        <td><?php echo $cnt;?></td>
        <td><?php echo htmlentities($row['courname']);?></td>
        <td><?php echo htmlentities($row['session']);?></td>
        <td><?php echo htmlentities($row['dept']);?></td>
        <td><?php echo htmlentities($row['level']);?></td>
        <td><?php echo htmlentities($row['sem']);?></td>
        <td><?php echo htmlentities($row['edate']);?></td>
        <td>
            <a href="print.php?id=<?php echo $row['cid']?>" target="_blank">
<button class="btn btn-primary"><i class="fa fa-print "></i> Print</button> </a>

```

```

</td>
</tr>
<?php
$cnt++;
} ?>
</tbody>
</table>
</div>
</div>
<!-- End Bordered Table -->
</div>
</div>
</div>
</div>
<!-- CONTENT-WRAPPER SECTION END-->
<?php include('includes/footer.php');?>
<!-- FOOTER SECTION END-->

<!-- JAVASCRIPT AT THE BOTTOM TO REDUCE THE LOADING TIME -->
<!-- CORE JQUERY SCRIPTS --> <?php

```

```

session_start();
error_reporting(0);
include("includes/config.php");
if(isset($_POST['submit']))
{
    $regno=$_POST['regno'];
    $password=md5($_POST['password']);
    $query=mysqli_query($con,"SELECT * FROM students WHERE StudentRegno='$regno' and
password='$password'");
    $num=mysqli_fetch_array($query);

```

```

if($num>0)
{
$extra="change-password.php";//
$_SESSION['login']=$_POST['regno'];
$_SESSION['id']=$num['studentRegno'];
$_SESSION['sname']=$num['studentName'];
$uip=$_SERVER['REMOTE_ADDR'];
$status=1;
$log=mysqli_query($con,"insert into
userlog(studentRegno,userip,status)
values('".$_SESSION['login']."','".$uip','$status')");
$host=$_SERVER['HTTP_HOST'];
$uri=rtrim(dirname($_SERVER['PHP_SELF']),'/\');
header("location:http://$host$uri/$extra");
exit();
}
else
{
$_SESSION['errmsg']="Invalid Reg no or Password";
$extra="index.php";
$host = $_SERVER['HTTP_HOST'];
$uri = rtrim(dirname($_SERVER['PHP_SELF']),'/\');
header("location:http://$host$uri/$extra");
exit();
}
}
?>

```

```

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta charset="utf-8" />

```

```

<meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1"
/>
<meta name="description" content="" />
<meta name="author" content="" />

<title>Student Login</title>
<link href="assets/css/bootstrap.css" rel="stylesheet" />
<link href="assets/css/font-awesome.css" rel="stylesheet" />
<link href="assets/css/style.css" rel="stylesheet" />
</head>
<body>
    <?php include('includes/header.php');?>
    <div class="content-wrapper">
        <div class="container">
            <div class="row">
                <div class="col-md-12">
                    <h4 class="page-head-line">Please Login To Enter </h4>
                </div>
            </div>
            <div>
                <span style="color:red;" ><?php echo htmlentities($_SESSION['errmsg']); ?><?php
echo htmlentities($_SESSION['errmsg']="");?></span>
                <form name="admin" method="post">
                    <div class="row">
                        <div class="col-md-6">
                            <label>Enter Reg no : </label>
                            <input type="text" name="regno" class="form-control" />
                            <label>Enter Password : </label>
                            <input type="password" name="password" class="form-control" />
                            <hr />
                            <button type="submit" name="submit" class="btn btn-
info"><span class="glyphicon glyphicon-user"></span> &nbsp;Log Me In
                        </button>&nbsp;
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

</form>
<div class="col-md-6">
<div class="alert alert-info">

<br />
<strong> Some of its features are given below :</strong>
<ul>

<li>
        Responsive Design Framework Used

</li>
<li>
        Easy to use and customize

</li>
<li>
        Font awesome icons included
    </li>
    <li>
        Clean and light code used.
    </li>
</ul>
</div>
</div>
</div>

</div>
</div>

<!-- CONTENT-WRAPPER SECTION END-->
<?php include('includes/footer.php');?>

<!-- FOOTER SECTION END-->
<!-- JAVASCRIPT AT THE BOTTOM TO REDUCE THE LOADING TIME -->

<!-- CORE JQUERY SCRIPTS -->
<script src="assets/js/jquery-1.11.1.js"></script>
<!-- BOOTSTRAP SCRIPTS -->

```

```

        <script src="assets/js/bootstrap.js"></script>
</body>
</html>

        <script src="assets/js/jquery-1.11.1.js"></script>
        <!-- BOOTSTRAP SCRIPTS -->

        <script src="assets/js/bootstrap.js"></script>
<?php session_start();
include("includes/config.php");
$_SESSION['login']=="";
date_default_timezone_set('Asia/Kolkata')
;
$date=date( 'd-m-Y h:i:s A', time () );
mysqli_query($con,"UPDATE userlog SET logout = '$date' WHERE studentRegno =
'".$_SESSION['login']."' ORDER BY id DESC LIMIT 1");
session_unset();
$_SESSION['errmsg']="You have successfully logout";
?>
<script language="javascript">
document.location="index.php";
</script>
</body>
</html>
<?php } ?>
INDEX

<?php
session_start();
include('includes/config.php');
error_reporting(0);
if(strlen($_SESSION['login'])==0)
{
header('location:index.php');

```

```

}
else{

if(isset($_POST['submit']))
{
$studentname=$_POST['studentname'];
$photo=$_FILES["photo"]["name"];
$cgpa=$_POST['cgpa'];
move_uploaded_file($_FILES["photo"]["tmp_name"],"studentphoto/".$_FILES["photo"]["name"]);
$ret=mysqli_query($con,"update students set
studentName='$studentname',studentPhoto='$photo',cgpa='$cgpa' where
StudentRegno='".$_SESSION['login']."'");
if($ret)
{
$_SESSION['msg']="Student Record updated Successfully !!";
}
else
{
$_SESSION['msg']="Error : Student Record not update";
}
}
?>

```

```

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta charset="utf-8" />
<meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1" />
<meta name="description" content="" />
<meta name="author" content="" />

```

```

<title>Student Profile</title>

<link href="assets/css/bootstrap.css" rel="stylesheet" />
<link href="assets/css/font-awesome.css" rel="stylesheet" />

<link href="assets/css/style.css" rel="stylesheet" />
</head>

<body>
<?php include('includes/header.php');?>

    <!-- LOGO HEADER END-->
<?php if($_SESSION['login']!="")
{
include('includes/menubar.php');
}
?>

    <!-- MENU SECTION END-->

    <div class="content-wrapper">

        <div class="container">
            <div class="row">

                <div class="col-md-12">
                    <h1 class="page-head-line">Student Registration </h1>
                </div>

            </div>
            <div class="row" >

                <div class="col-md-3"></div>
                <div class="col-md-6">
                    <div class="panel panel-default">

                        <div class="panel-heading">
                            Student Registration

                        </div>
                        <font color="green" align="center"><?php echo htmlentities($_SESSION['msg']);?><?php
echo htmlentities($_SESSION['msg']="");?></font>

```

```

<?php $sql=mysqli_query($con,"select * from students
where StudentRegno='".$$_SESSION['login']."'");
$cnt=1;
while($row=mysqli_fetch_array($sql))
{ ?>

```

```

        <div class="panel-body">
        <form name="dept" method="post" enctype="multipart/form-data">

        <div class="form-group">
        <label for="studentname">Student Name </label>
        <input type="text" class="form-control" id="studentname"
name="studentname" value="<?php echo htmlentities($row['studentName']);?>"
/>
        </div>

```

```

<div class="form-group">
    <label for="studentregno">Student Reg No </label>
    <input type="text" class="form-control" id="studentregno" name="studentregno"
value="<?php echo htmlentities($row['StudentRegno']);?>" placeholder="Student Reg no"
readonly />

    </div>

```

```

<div class="form-group">
    <label for="Pincode">Pincode </label>
    <input type="text" class="form-control" id="Pincode" name="Pincode"
readonly value="<?php echo htmlentities($row['pincode']);?>" required />
    </div>

```

```

<div class="form-group">

```

```

        <label for="CGPA">CGPA </label>
        <input type="text" class="form-control" id="cgpa" name="cgpa" value="<?php echo
htmlentities($row['cgpa']);?>" required />
    </div>

<div class="form-group">
    <label for="Pincode">Student Photo </label>

    <?php if($row['studentPhoto']== ""){ ?>
    <?php } else {?>
    
    <?php } ?>
</div>
<div class="form-group">
    <label for="Pincode">Upload New Photo </label>

    <input type="file" class="form-control" id="photo" name="photo" value="<?php echo
htmlentities($row['studentPhoto']);?>" />

</div>
<?php } ?>
<button type="submit" name="submit" id="submit" class="btn btn-default">Update</button>
</form>
</div>
</div>
</div>
</div>
</div>
<?php include('includes/footer.php');?>
<script src="assets/js/jquery-1.11.1.js"></script>
<script src="assets/js/bootstrap.js"></script>

```

```

<?php
session_start();
include('includes/config.php');
error_reporting(0);
if(strlen($_SESSION['login'])==0)
    {
header('location:index.php');
}
else{
date_default_timezone_set('Asia/Kolkata');// change according timezone
$currentTime = date( 'd-m-Y h:i:s A', time () );
if(isset($_POST['submit']))
{
$sql=mysqli_query($con,"SELECT * FROM students where
pincode='".$_trim($_POST['pincode'])."' && StudentRegno='".$_SESSION['login']."'");
$num=mysqli_fetch_array($sql);
if($num>0)
{
$_SESSION['pcode']=$_POST['pincode'];
header("location:enroll.php");
}
else
{
$_SESSION['msg']="Error :Wrong Pincode. Please Enter a Valid Pincode !!";
}
}
?>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

```

```

<meta charset="utf-8" />
<meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1"
/>
<meta name="description" content="" />
<meta name="author" content="" />
<title>Pincode Verification</title>
<link href="assets/css/bootstrap.css" rel="stylesheet" />
<link href="assets/css/font-awesome.css" rel="stylesheet" />
<link href="assets/css/style.css" rel="stylesheet" />
</head>

<body>
<?php include('includes/header.php');?>
    <!-- LOGO HEADER END-->
<?php if($_SESSION['login']!="")
{
include('includes/menubar.php');
}
?>

    <!-- MENU SECTION END-->
    <div class="content-wrapper">
        <div class="container">

            <div class="row">
                <div class="col-md-12">

                    <h1 class="page-head-line">Student Pincode Verification</h1>
                    </div>
                </div>

                <div class="row" >
                    <div class="col-md-3"></div>

                    <div class="col-md-6">
                        <div class="panel panel-default">
                            <div class="panel-heading">

```

## Pincode Verification

```
</div>
<font color="red" align="center"><?php echo htmlentities($_SESSION['msg']);?><?php echo
htmlentities($_SESSION['msg']="");?></font>

<div class="panel-body">
<form name="pincodeverify" method="post">

<div class="form-group">
<label for="pincode">Enter Pincode</label>
<input type="password" class="form-control" id="pincode"
name="pincode" placeholder="Pincode" required />
</div>

<button type="submit" name="submit" class="btn btn-default">Verify</button>
<hr />
</form>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- CONTENT-WRAPPER SECTION END-->
<?php include('includes/footer.php');?>
<!-- FOOTER SECTION END-->
<!-- JAVASCRIPT AT THE BOTTOM TO REDUCE THE LOADING TIME -->
<!-- CORE JQUERY SCRIPTS -->
<script src="assets/js/jquery-1.11.1.js"></script>
<!-- BOOTSTRAP SCRIPTS -->
<script src="assets/js/bootstrap.js"></script>
</body>
```

```

</html>
<?php } ?>
LOGOUT

<?php
session_start();
include('includes/config.php');
error_reporting(0);
if(strlen($_SESSION['login'])==0)
    {
header('location:index.php');
}
else{
?>

<!doctype html>
<html>
<head>
    <meta charset="utf-8">
    <title>Course Enrollment Print</title>
    <style>
.invoice-box{
    max-width:800px;
    margin:auto;
    padding:20px;
    border:1px solid
    #eee;
    box-shadow:0 0 10px rgba(0, 0, 0,
    .15); font-size:16px;
    line-height:18px;
    font-family:'Helvetica Neue', 'Helvetica', Helvetica, Arial, sans-serif;
    color:#555;
}

```

```

.invoice-box
  table{ width:100%;
    line-height:inherit;
    text-align:left;
  }
.invoice-box table
  td{ padding:5px;
    vertical-align:top;
  }

.invoice-box table tr td:nth-child(2){ text-align:right;
}
.invoice-box table tr.top table
  td{ padding-bottom:10px;
}
.invoice-box table tr.top table
  td.title{ font-size:45px;
    line-height:30px;
    color:#333;
  }
.invoice-box table tr.information table
  td{ padding-bottom:20px;
}
.invoice-box table tr.heading
  td{ background:#eee;
    border-bottom:1px solid #ddd; font-weight:bold;
  }
.invoice-box table tr.details
  td{ padding-bottom:20px;

```

```

    }
.invoice-box table tr.item
    td{ border-bottom:1px solid
        #eee;
    }
.invoice-box table tr.item.last
    td{ border-bottom:none;
    }
.invoice-box table tr.total td:nth-
    child(2){ border-top:2px solid #eee;
    font-weight:bold;
    }
@media only screen and (max-width: 600px) {
    .invoice-box table tr.top table
        td{ width:100%;
            display:block;
            text-align:center;
        }
    .invoice-box table tr.information table
        td{ width:100%;
            display:block;
            text-align:center;
        }
    }
</style>
</head>
<body>
    <div class="invoice-box">
PINCODE VERIFICATION
<?php
$cid=intval($_GET['id']);

```

```

$sql=mysqli_query($con,"select course.courseName as
courname,course.courseCode as ccode,course.courseUnit as cunit,session.session
as session,department.department as dept,level.level as
level,courseenrolls.enrollDate as edate,semester.semester as sem
,students.studentName as studentname,students.studentPhoto as photo,students.cgpa as
scgpa,students.creationdate as studentregdate from courseenrolls join course on
course.id=courseenrolls.course join session on session.id=courseenrolls.session join
department on department.id=courseenrolls.department join level on
level.id=courseenrolls.level join students on
students.StudentRegno=courseenrolls.StudentRegno join semester on
semester.id=courseenrolls.semester where
courseenrolls.studentRegno='".$_SESSION['login']."' and courseenrolls.course='$cid'");
$cnt=1;
while($row=mysqli_fetch_array($sql))
{?>
<table cellpadding="0" cellspacing="0">
    <tr class="top">
        <td colspan="2">
            <table>
                <tr>
                    <td class="title">
                        <?php if($row['photo']== ""){ ?>
                            <?php } else {?>
                                
                                <?php } ?>
                            </td>
                        <td>
                            <b> Reg No: </b><?php echo htmlentities($_SESSION['login']);?><br>
                            <b> Student Name: </b> <?php echo
htmlentities($row['studentname']);?><br>
                            <b> Student Reg Date:</b> <?php echo
htmlentities($row['studentregdate']);?><br>

```

```

                <b> Student Course Enroll Date:</b> <?php echo
htmlentities($row['edate']);?><br>
            </td>
        </tr>
    </table>
</td>
</tr>

```

```

        <tr class="heading">
            <td>
                Course Details
            </td>
            <td>
                </td>
            </tr>
        <tr class="details">
            <td>
                Course Code
            </td>
            <td>
                <?php echo htmlentities($row['ccode']);?>
            </td>
        </tr>
        <tr class="details">
            <td>
                Course Name
            </td>
            <td>
                <?php echo htmlentities($row['courname']);?>
            </td>
        </tr>

```

```

<tr class="details">
    <td>
        Course unit
    </td>
    <td>
        <?php echo htmlentities($row['cunit']);?>
    </td>
</tr>

<tr class="heading">
    <td>
        Other Details
    </td>
</tr>

<tr class="item">
    <td>
        Session
    </td>
    <td>
        <?php echo htmlentities($row['session']);?>
    </td>
</tr>

<tr class="item">
    <td>
        Department
    </td>
    <td>
        <?php echo htmlentities($row['dept']);?>
    </td>
</tr>
<tr class="item">

```

```

        <td>
            Level
        </td>

        <td>
            <?php echo htmlentities($row['level']);?>
        </td>
    </tr>
<tr class="item">
    <td>
        CGPA
    </td>

    <td>
        <?php echo htmlentities($row['scgpa']);?>
    </td>
<tr class="item last">
    <td>
        Semester
    </td>

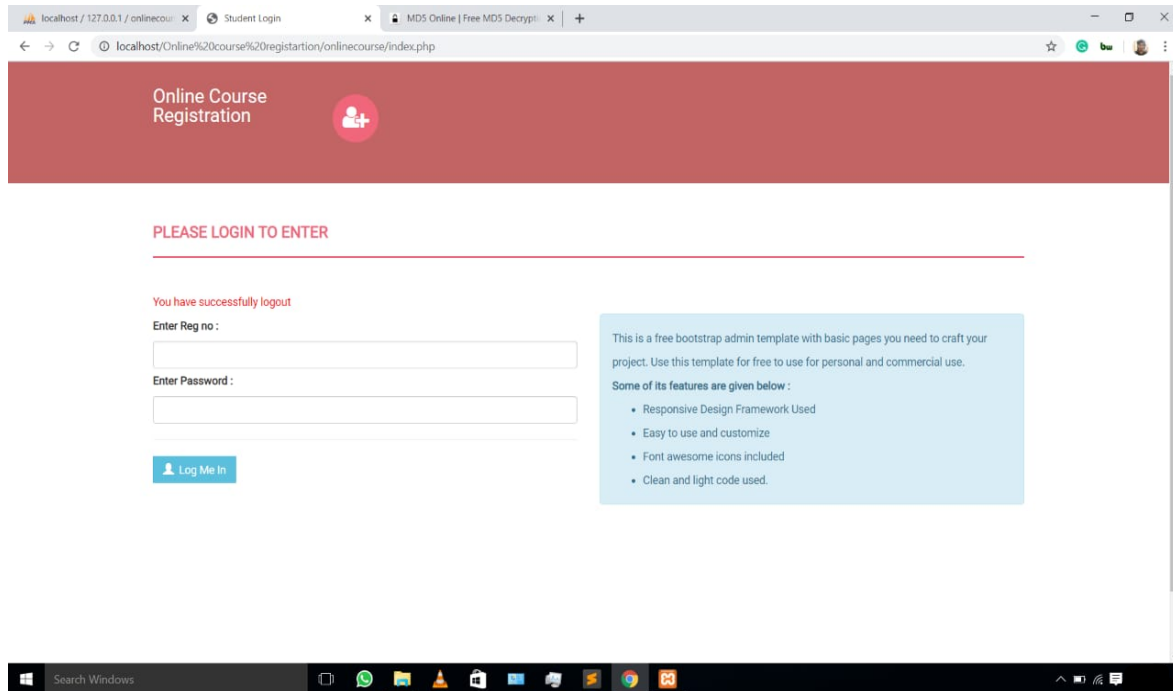
    <td>
        <?php echo htmlentities($row['sem']);?>
    </td>
</tr>
</table>
<?php } ?>
</div>
</body>
</html>
<?php } ?>

```

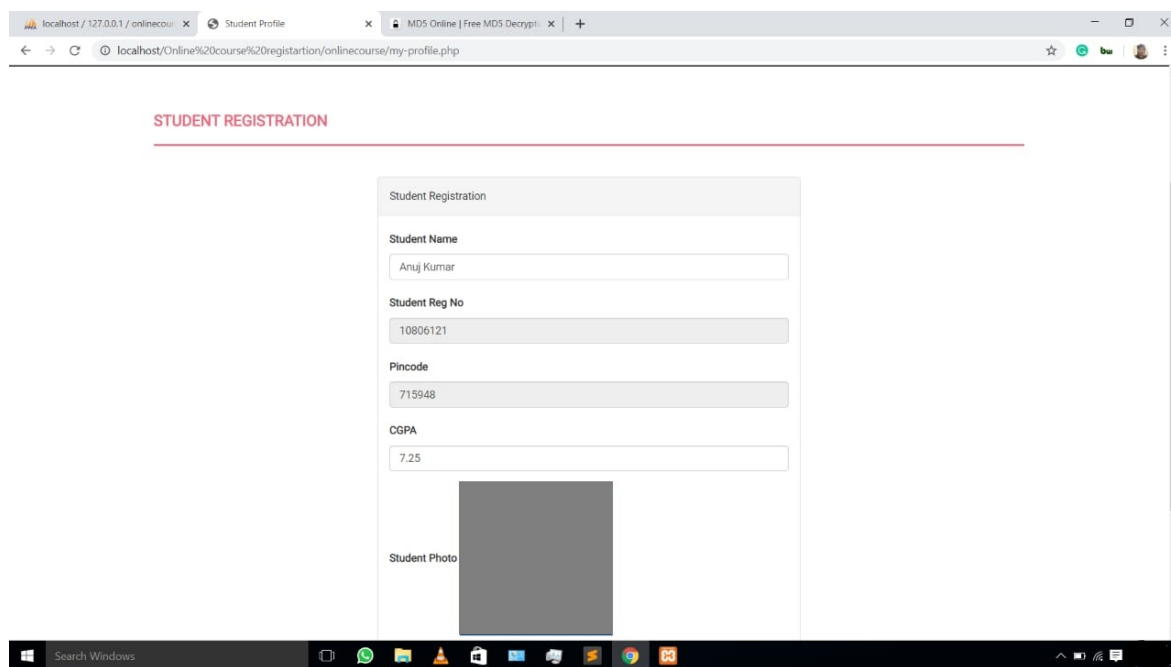
## 9. OUTPUT:

## 1.LOGIN FORM



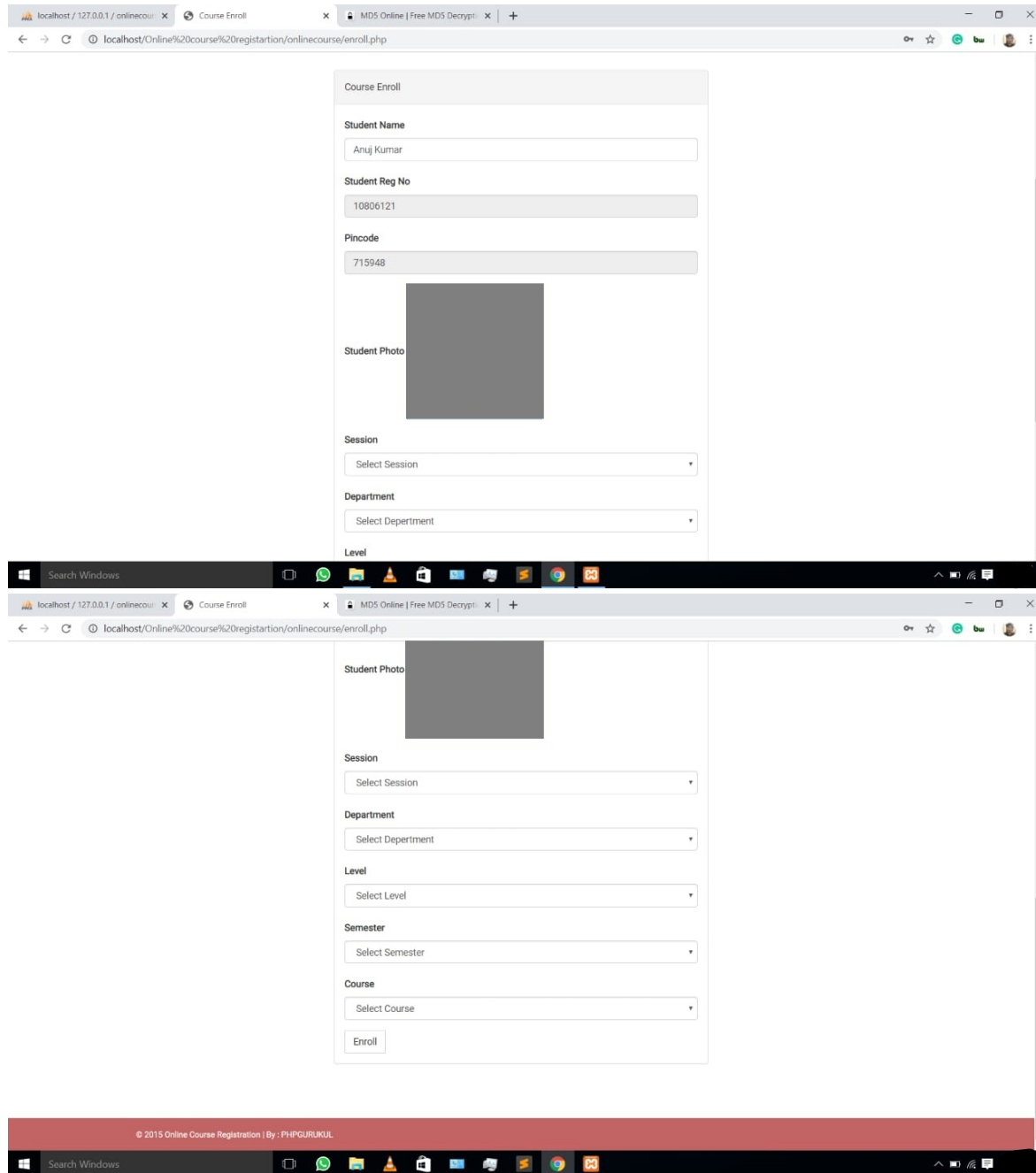


## 2.STUDENT REGISTRATION



## 3.COURSE ENROLL





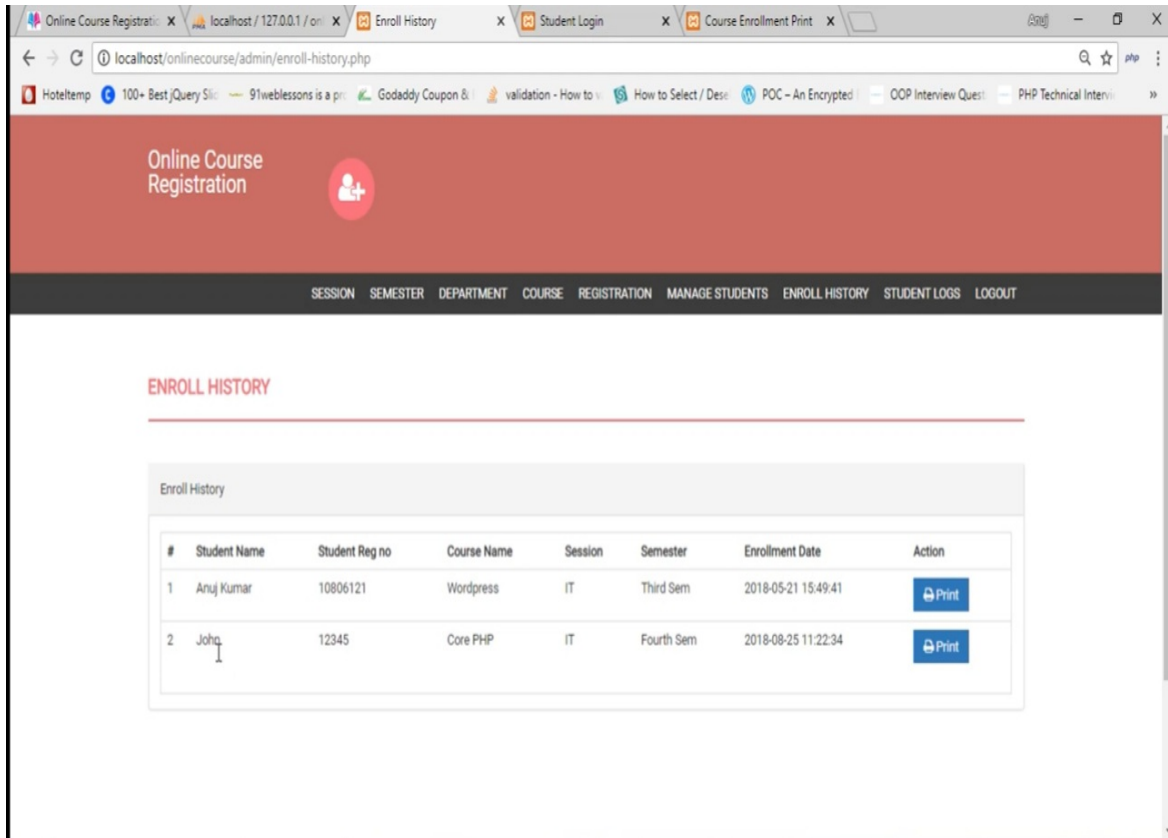
## 4. PINCODE VERIFICATION

The screenshot shows a web browser window with the URL `localhost/Online%20course%20registration/onlinecourse/pincode-verification.php`. The page has a dark red header with navigation links: `ENROLL FOR COURSE`, `ENROLL HISTORY`, `MY PROFILE`, `CHANGE PASSWORD`, and `LOGOUT`. Below the header, the title `STUDENT PINCODE VERIFICATION` is displayed in red. The main content area contains a form titled `Pincode Verification`. The form has a section `Enter Pincode` with a text input field labeled `Pincode` and a `Verify` button. The footer of the page shows the copyright notice: `© 2015 Online Course Registration | By : PHPGURUKUL`.

## 5.CHANGE PASSWORD:

The screenshot shows a web browser window with the URL `localhost/Online%20course%20registration/onlinecourse/change-password.php`. The page has a dark red header with navigation links: `ENROLL FOR COURSE`, `ENROLL HISTORY`, `MY PROFILE`, `CHANGE PASSWORD`, and `LOGOUT`. Below the header, the title `STUDENT CHANGE PASSWORD` is displayed in red. The main content area contains a form titled `Change Password`. The form has three sections: `Current Password` with a text input field labeled `Password`, `New Password` with a text input field labeled `Password`, and `Confirm Password` with a text input field labeled `Password`. There is a `Submit` button at the bottom of the form. The footer of the page shows the copyright notice: `© 2015 Online Course Registration | By : PHPGURUKUL`.

## 7.ENROLL HISTORY:



## 8.STUDENT LOG:

| Enroll History |                |     |                     |             |        |
|----------------|----------------|-----|---------------------|-------------|--------|
| #              | Student Reg no | IP  | Login Time          | Logout Time | Status |
| 1              | 10806121       | ::1 | 2017-02-12 01:35:58 |             | 1      |
| 2              | 10806121       | ::1 | 2017-02-12 01:37:18 |             | 1      |
| 3              | 10806121       | ::1 | 2017-02-12 01:38:46 |             | 1      |
| 4              | 10806121       | ::1 | 2017-02-12 01:56:15 |             | 1      |
| 5              | 10806121       | ::1 | 2017-02-12 01:57:11 |             | 1      |
| 6              | 10806121       | ::1 | 2017-02-12 01:58:19 |             | 1      |
| 7              | 10806121       | ::1 | 2017-02-12 01:59:30 |             | 1      |

## 10.CONCLUSION

Implementing the Online Student Course Registration System, the registration



procedure has been simplified. Previously student had to go door to door. 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.



## 11.FUTURE ENHANCEMENT:

Online registration does not only help the students in reducing the cost on their side but also helps the university authorities in improving their operations in terms of having up to date records where customized reports can be generated. In as much as this would bring about a positive change to the institution and would save a lot of resources there is also challenges that comes with having registration done.In future may gives the all the details of all courses, it helps to improve ideas for students in the time of making registration.

## 12.REFEREN

CE:

### BOOKS:

- a.Davis, Michele E., and Jon A. Phillips.” Learning PHP & MySQL: Step-by-Step Guide to Creating Database-Driven Web Sites”. O’Reilly Media, Inc., 2007.
- b.“Three Tier Architecture” techopedia.com Retrieved on April 20, 2016, from <https://www.techopedia.com/definition/24649/three-tier-architecture>
- c.“PHP 5 Tutorials”w3schools.com. Retrieved on April 9, 2016, from <http://www.w3schools.com/php/>

### WEBSITES:

[www.Google.com](http://www.Google.com)

<https://phpgurukul.com/online-course-registration>

<https://w3schools.com/online-course-registration>

<https://geeksprojects.com/online-course-registration>



08/28/2020

**Jothika K**

has successfully completed

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**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **JOTHIKA K** student of **SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY, BTECH/IT** has undergone the Internship Training through online in our concern entitled **PYTHON** from **12<sup>th</sup> Aug 2020** to **26<sup>th</sup> Aug 2020** in relevant departments related to their academic studies.

During the above period, the performance was good & we wish great success in all your future endeavours.

*J. mere*

*Technology drives the world. We are the people who are behind the technology.*

**Authorised Signature**



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