A Project Report
On

STELLARSTUDENT

Submitted in partial fulfillment of the requirements for the award of the degree

of

BACHELOR OF TECHNOLOGY
In
COMPUTER SICENCE AND ENGINEERING

By

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Under the esteemed guidance of

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BVRIT HYDERABAD
College of Engineering for Women
(NBA Accredited – EEE, ECE, CSE and IT)
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Bachupally, Hyderabad – 500090

May, 2021

DECLARATION

We hereby declare that the work presented in this project entitled **"STELLARSTUDENT"** submitted towards completion of Project Work in IV year of B.Tech, CSE at 'BVRIT HYDERABAD College of Engineering For Women', Hyderabad is an authentic record of our original work carried out under the guidance of Mr. Dr. N. Sreekanth, Associate Professor, Department of CSE.

Sign with Date:

Ms. T. Tarani

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Sign with Date:

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Sign with Date:

Ms. M. Naga Pravallika

(18WH5A0517)

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Department of Computer Science and Engineering

Certificate

   This is to certify that the Project Work report on "**STELLARSTUDENT**" is a bonafide work carried out by Ms. T. TARANI (17WH1A0576); Ms. P. RAGA RASAGNA (17WH1A0599); Ms. M. NAGA PRAVALLIKA (18WH5A0517); in the partial fulfilment for the award of B.Tech. Degree in **Computer Science and Engineering, BVRIT HYDERABAD College of Engineering for Women, Bachupally, Hyderabad**, affiliated to Jawaharlal Nehru Technological University Hyderabad, Hyderabad under my guidance and supervision.

The results embodied in the project work have not been submitted to any other University or Institute for the award of any degree or diploma.

Head of the Department	**Guide**
Dr. K. Srinivasa Reddy	**Mr. Dr. N. Sreekanth**
Professor and HoD	**Associate Professor**
Department of CSE	**Department of CSE**

External Examiner

Acknowledgement

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We are extremely thankful and indebted to our internal guide, **Mr. Dr. N. Sreekanth**, Associate Professor Department of CSE**, BVRIT HYDERABAD College of Engineering for Women** for his constant guidance, encouragement and moral support throughout the project.

Finally, we would also like to thank our Project Coordinator, all the faculty and staff of **CSE** Department who helped us directly or indirectly, parents and friends for their cooperation in completing the project work.

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Abstract

StellarStudent is a social web application for colleges. It helps to connect both students and faculty. It refers to the outstanding students and showcases the ones better than everyone else. Stellar is a word of praise or excitement and StellarStudent aims to praise the best performed students by their performances tracked through the application. Any student who puts the time and effort into their courses is a StellarStudent.

The project involves developing a website where complete details of the students are recorded such as their academic and non-academic achievements. They can upload their certificates and the faculty can view them. Students can also view the materials uploaded by the faculty, view placement details and materials, students can participate in quizzes. This application is also helpful to know various events/activities happening in the college through notifications. Students and faculty can view latest updates and timelines, this application also supports various meetings and discussions.

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1. Introduction

StellarStudent is a web application that deals with student and faculty. Ever since digitalization started in the country, schools and colleges want the best way possible to share information to their students. Some colleges use Google Drive or Whats app to share materials or collect other documents. However, the chance of data loss or misplacement is guaranteed. It is better for the college to have an admin who can look after all the happenings in the college website in just one click. With high security and validations of users, the chances of data misplacement are low with StellarStudent. This project aims to connect the students with their faculty with no miscommunication. It is a web established web-based application that involves in faculty uploading study materials and notices like events and placements drives, viewing certifications and quiz result of students. Students can also communicate with each other via exchange of images, feedback, and discussion. Users can share ideas, activities, events, and interests. This application can be handled by the admin and manage student as well as faculty.

1.1 Objective

The StellarStudent is a web-based project for BVRIT-H students and faculty. The main objective of this project is to let the college students interact with their faculties. This helps college administrator to track all the activities of the college. In this project the faculties can upload materials, quizzes, etc. Even students can ask questions to faculties and can also upload the certificates. Our main goal is to ensure cost effective, technical excellence and secure app.

1.2 Methodology

To store the user data MYSQL has been used as a database. HTML, CSS has been used for front end development. PHP is used as a server-side language, which is used to connect front-end to back-end. We can run this application in our browser.

2. Software requirements specifications

2.1 Introduction:

SRS describes the requirements and specifications of StellarStudent, a web-based application for the college. This section gives a scope, description and overview of everything included in this SRS document. Also, the purpose for this document is described and a list of abbreviations and definitions is provided.

2.2 Purpose:

The purpose of this document is to present a detailed description of StellarStudent. It will illustrate the purpose and complete declaration for the development of system. It will also explain system constraints, interface and interactions with other external applications.

2.3 Scope:

The project StellarStudent helps college students to interact with their faculties and many more. This web application can be accessed by students and faculty of BVRIT HYDERABAD College of Engineering for Women.

The main scopes of the projects are:

- The faculties can upload study materials online. The students can view uploaded study materials by faculties.
- In the discussion section, the students can post any queries to faculties and faculties can post answers.
- The administrator or faculty can publish latest events and updates.
- Admin has full authority of the website to manage students, discussion forum, faculties, quiz question answers, chat features, course, and certificate uploaded by the students.
- Students can upload their certificates that will be helpful for the faculty for easy verification.

3. Overall description

3.1 Product Perspective:

The project StellarStudent is the web-based application with two interfaces: One is for students and another is for management. The website works in the desktop computers, laptops, and mobile devices with the help of browser.

3.2 Product Function:

The project StellarStudent has following product functions:

- The web portal will provide functionality to manage the system and the student information.
- The website is secure because user must enter login details to access the website.
- The system contains huge records. For this reason, the search option has been provided in all report pages. The search results can be viewed in the list view.
- The product works online with help of internet connection.

3.3 User Characteristics:

It is considered that the user does have the basic knowledge of operating the internet and its accession. The administrator is expected to be familiar with the interface of the technical support system.

3.4 General Constraints:

This system is provisioned to be built on the Core PHP which is highly flexible. Decision regarding which database to use should be taken considering the fact that data being exchanged or stored is large, and the appropriate data management system will yield efficient performance.

3.5 Assumptions and Dependencies

- Internet connection required.
- 24X7 uptime server connection required.
- One assumption about the product is that it will always be used on mobile phones that have particular technical support.

4. Specific Requirements

4.1 External Interface Requirements:

4.1.1 User interfaces:

There are three types of users in this system. They are:

- **Administrator**: The administrators are the main users with full authority who handles complete website information.
- **Faculty:** Faculties are the users who monitors students, uploads quiz questions, study materials, view students' certificates and publish result.
- **Student:** Students are the registered users. They can view study materials, quiz questions, results, upload certificates and communicate with each other etc.

4.1.2 Hardware interfaces

- **Operating system:** Windows 8 onwards
- **Hard disk:** minimum 40 GB hard disk
- **RAM:** minimum 1 GB RAM
- **Processor:** Intel i3 or above

4.1.3 Software interfaces

- XAMPP 1.8.2

- Apache server

- PHP 5.4

- MYSQL server 5.5

- Star UML

4.2 Functional Requirements:

- **Dashboard module:** This dashboard module is for administrator where admin can manage complete control of the website. Admin is the super user of the website.
- **Settings module:** In the settings module the administrator can add or delete department details, course details, subject details, etc.
- **Faculty control panel:** The administrator has option to add new faculty records. The system will send login details to the faculties. The faculties can publish quiz questions, study materials, timetable, syllabus and result.
- **Student Account panel:** The students can login to the website by entering login id and password. The administrator approves new student profile details. The student can update their profile after the login.
- **Discussion module:** In this module students can send questions in the discussion panel. The faculties can answer to all students' questions. All the question-and-answer records stores in the discussion panel. All students can view discussion panel records.
- **Study materials module:** In this module the faculties can upload notes and documents by entering book details. This helps students to refer for exam, studies, etc.
- **Individual Chat and Group chat module**: This allows users to chat with their friend circles. Users can send invitation to their friends to join the chat system. The user can create chat room in the group chat.
- **Quiz module**: This module provides a common platform to connect students and faculties online. The faculty can create Quiz and student can take up quiz. The quiz result and point system will display in the student account panel

- **Certificate module:** The Students can upload their certificates and Faculty can view and Download their Certificates.

4.3 Performance requirements:

- This section lists the performance requirements expected from the StellarStudent Project.
- The users shall be able to add any records fewer than 5 seconds.
- The users shall be able to view any records fewer than 10 seconds.
- The users shall be able to download videos within 20 - 40 seconds.
- The navigation between pages shall take fewer than 5 seconds.
- The application shall be able to do a validation check on the information provided in the user-authentication form and the place-order form to avoid false or incomplete information.

4.4 Design constraints:

4.4.1 System attributes:

Integrity:
- The authorized user shall be allowed to access the StellarStudent Project application.
- Based on the user type, the StellarStudent shall provide a user specific interface.

Correctness:
- The assigned project modules should be received by the specified user.

Availability:
- The system shall be made available to the students, faculties, and administrator year round.

Robustness:
- The system shall be able to save and view all the records in the fraction of seconds.

5. System Design

5.1 Introduction:

Software design sits at the technical kernel of the software engineering process and is applied regardless of the development paradigm and area of application. Design is the first step in the development phase for any engineered product or system. The designer's goal is to produce a model or representation of an entity that will later be built. Beginning, once system requirements have been specified and analyzed, system design is the first of the three technical activities -design, code and test that is required to build and verify software. The importance can be stated with a single word "Quality". Design is the place where quality is fostered in software development. Design provides us with representations of software that can assess quality. Design is the only way that we can accurately translate a customer's view into a finished software product or system. Software design serves as a foundation for all the software engineering steps that follow. Without a strong design we risk building an unstable system – one that will be difficult to test, one whose quality cannot be assessed until the last stage. During design, progressive refinement of data structure, program structure, and procedural details are developed, reviewed and documented. System design can be viewed from either technical or project management perspective. From the technical point of view, design is comprised of four activities – architectural design, data structure design, interface design and procedural design

5.2 Data Flow Diagram:

A data flow diagram is a graphical representation of the flow of data through an information system. A data flow diagram can also be used for the visualization of the data processing. It is common practice for a designer to draw a context level DFD. It shows the interaction between the system and the outside entities. This context level DFD, is then exploded to show more detail of the system being modelled.

A DFD represents flow of data through a system. Data flow diagrams are commonly used during problem analysis. It views a system as a function that performs the input into the desired output. A DFD shows movement of data through the different transformations or processes in the system.

Data Flow diagrams can be used to provide the end users with the physical idea of where the data they input ultimately has an effect upon the structure of whole system from order to dispatch to restock how any system is developed can be determined through data flow diagram. The appropriate register saved in database and maintained by appropriate authorities.
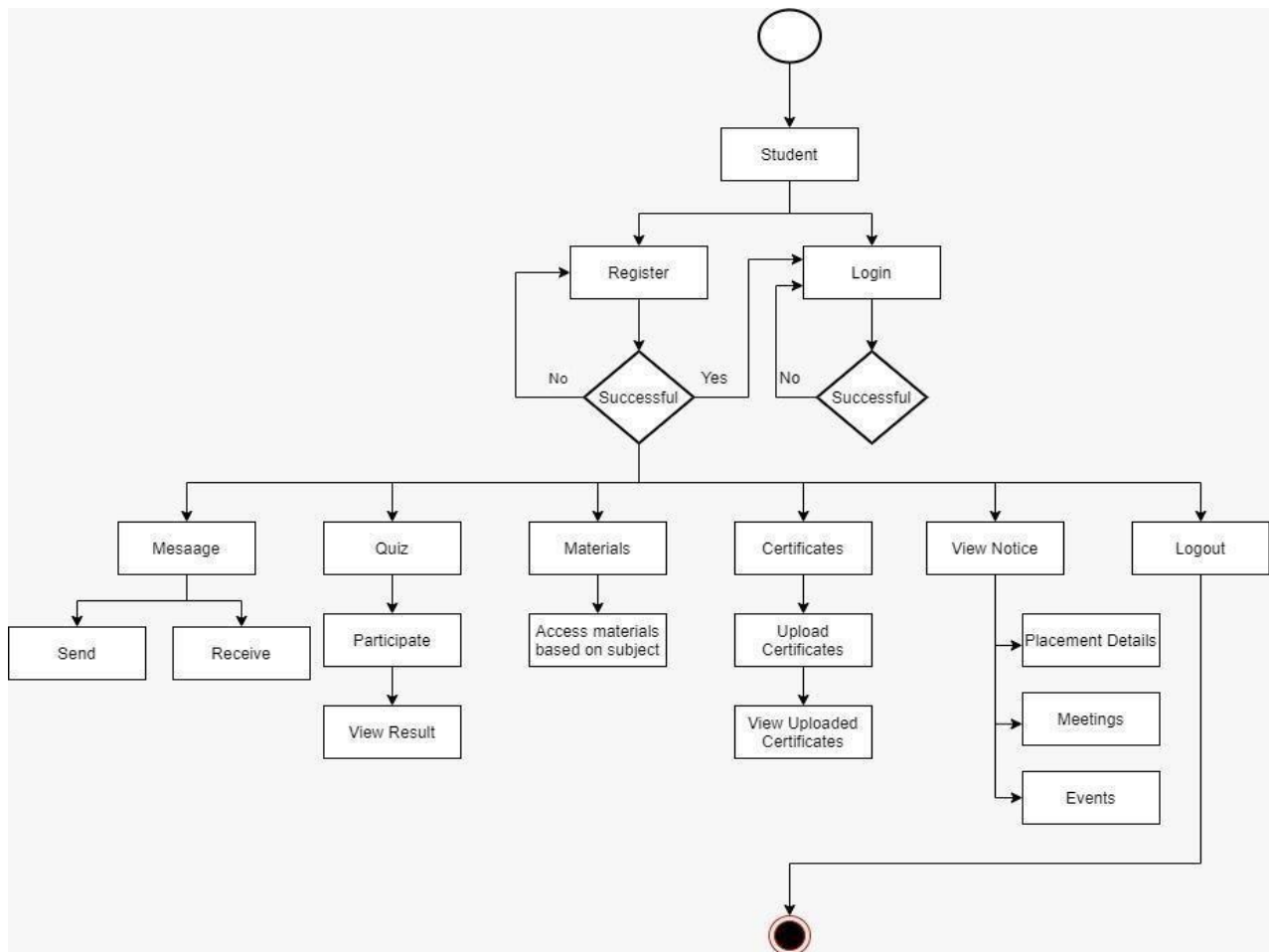
Fig 1: Flow Diagram of Student
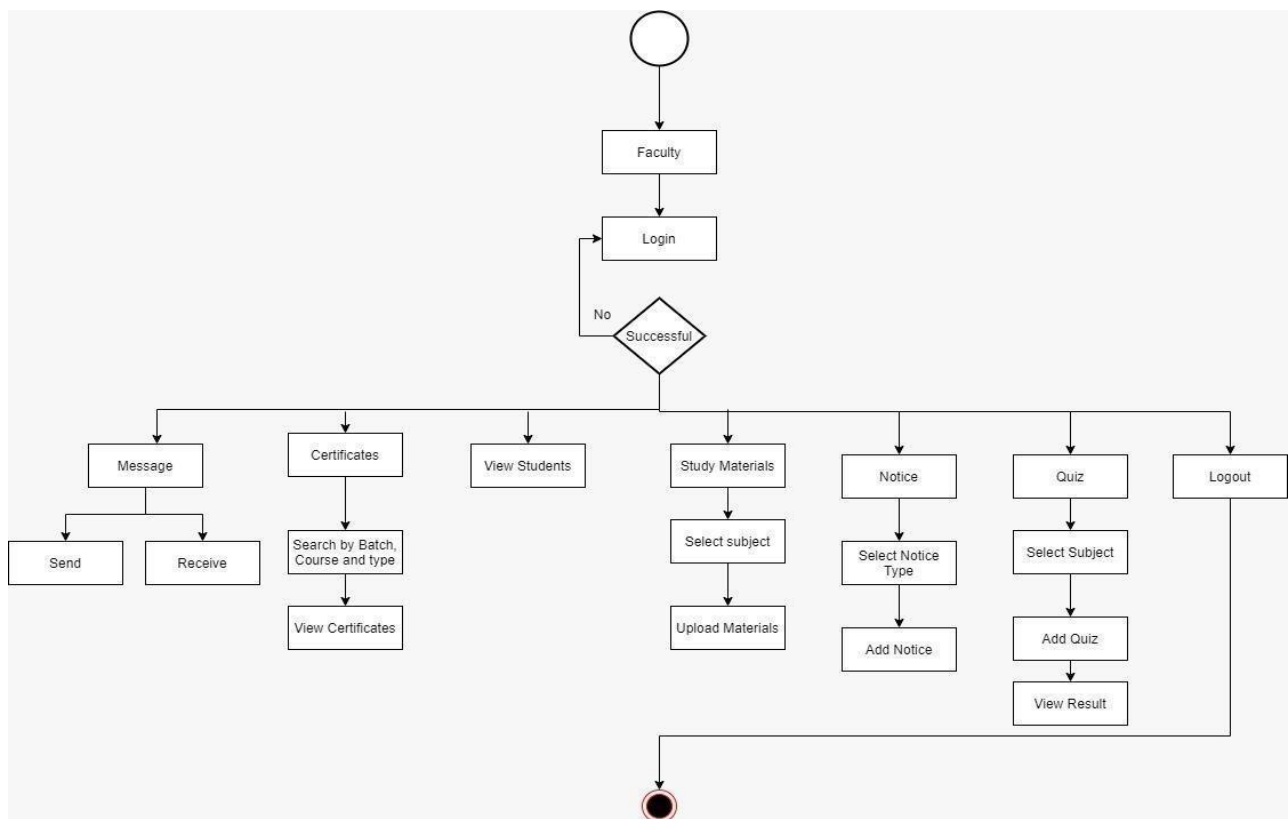
Fig 2: Flow Diagram of Faculty
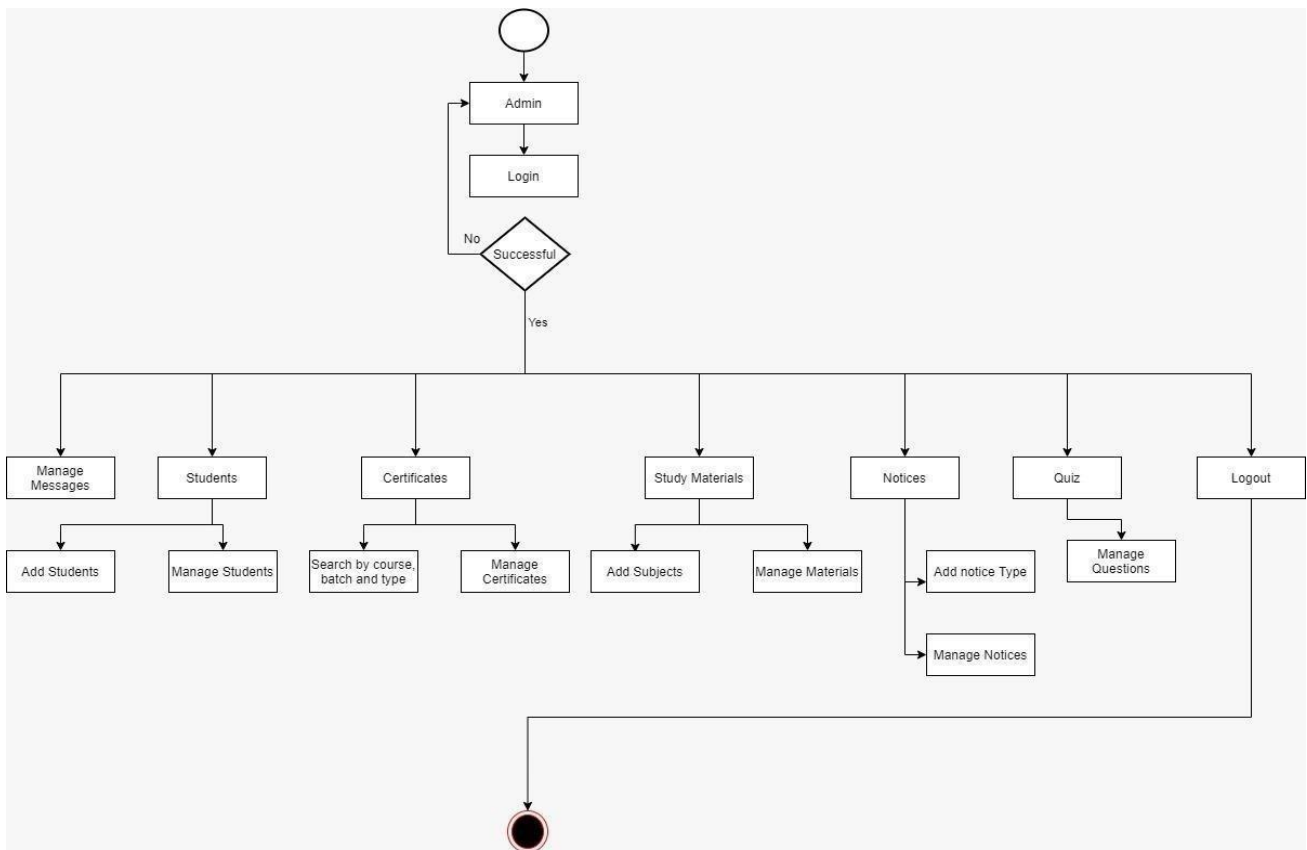
Fig 3: Flow Diagram of Admin

5.3 Use Case Diagram:

Use case diagrams consist of actors, use cases and their relationships. The diagram is used to model the system/subsystem of an application. A single use case diagram captures a particular functionality of a system.
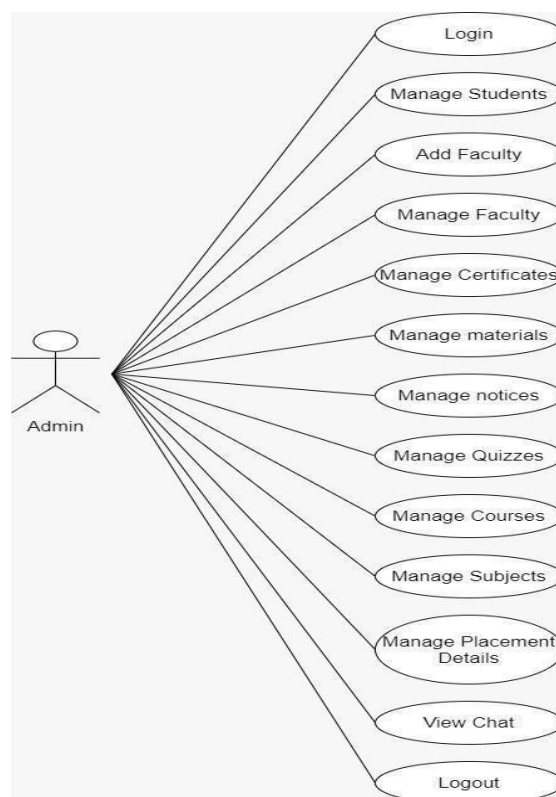
Fig.4: Use case Diagram for Admin
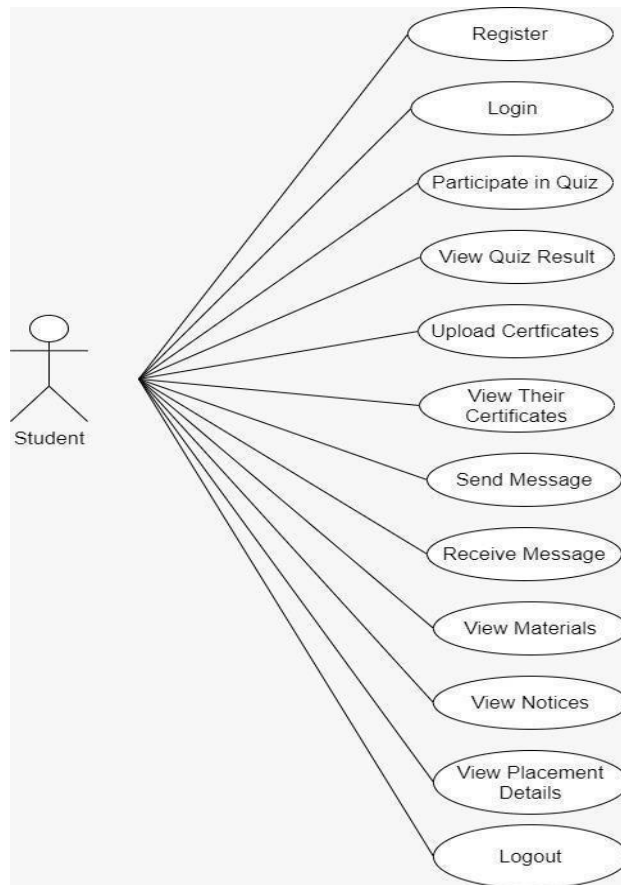
Fig.5: Use case Diagram for Student
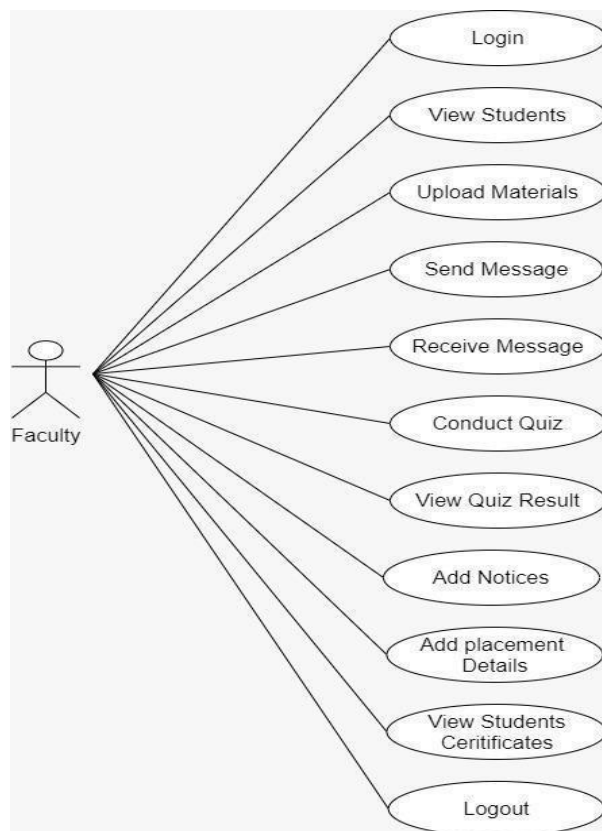
Fig.6: Use case Diagram for Faculty

5.4 Entity-Relationship Diagram:

An entity-relationship (ER) diagram is a specialized graphic that illustrates the relationships between entities in a database. ER diagrams often use symbols to represent three different types of information. Boxes are commonly used to represent entities. Diamonds are normally used to represent relationships and ovals are used to represent attributes.
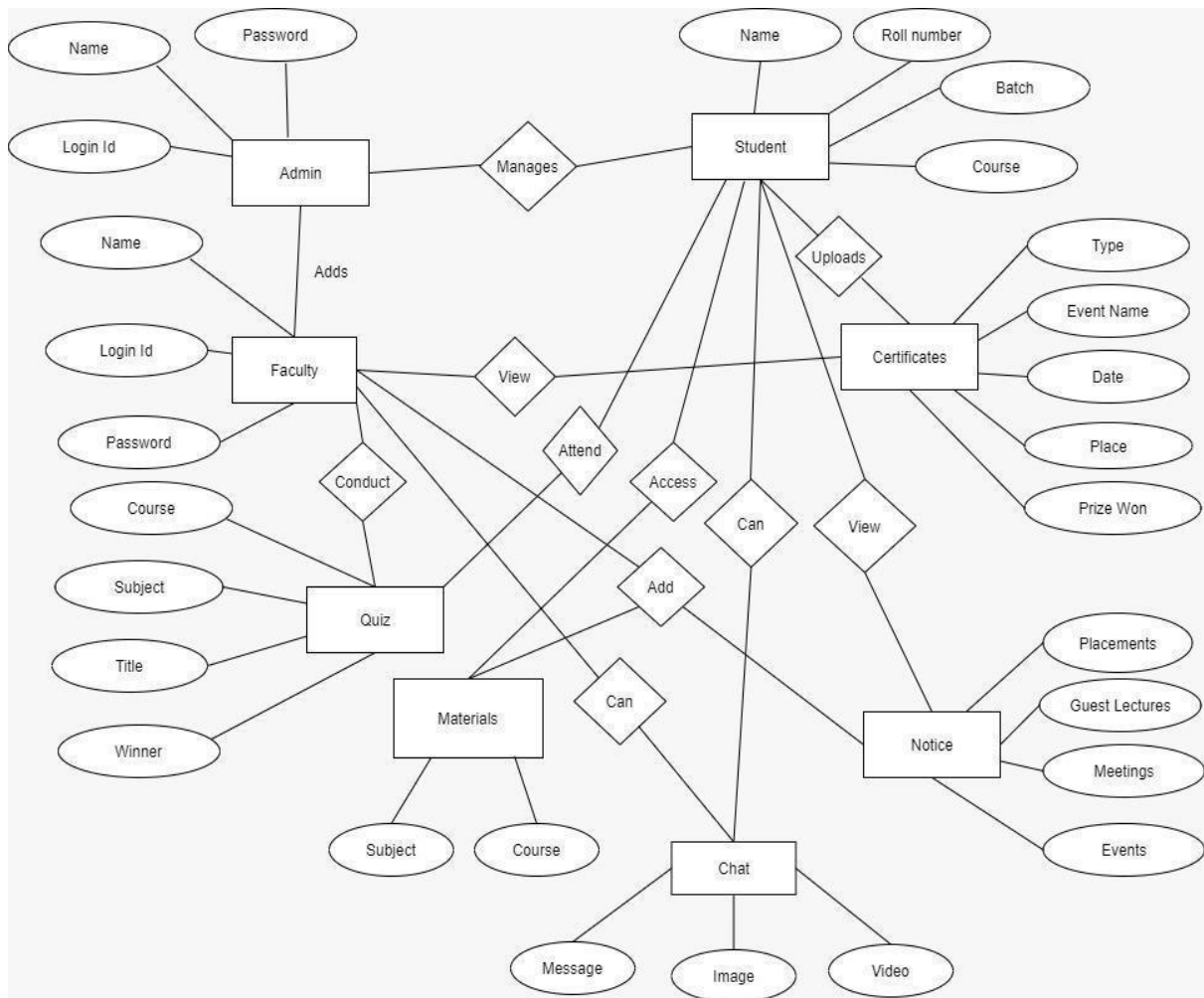
Fig.7: ER Diagram

6. Detailed Design

6.1 Introduction

The purpose of preparing this document is to explain complete design details of our project StellarStudent.

This detailed design report will mainly contain the general definition and features of the project, design constraints, the overall system architecture and data architecture. Additionally, a brief explanation about our current progress and schedule of the project will be provided in related sections. Design of the system and subsystems/modules will be explained both verbally and visually by means of diagrams in order to help the programmer to understand all information stated in this document correctly and easily.

6.2 Structure of the software package:

The Components are –

- Dashboard module is for administrator where admin can manage complete control of the website. Admin is the super user of the website.
- In the settings module the administrator can add or delete department details, course details, subject details, etc.
- The faculties can publish quiz questions, study materials, timetable, syllabus and result.
- The students can login to the website by entering login id and password.
- All the questions and answers record stores in the discussion panel. All students can view discussion panel records.
- In the study material module, the faculties can upload notes and documents by entering book details.
- The chat module allows users to chat with their friend circles.
- The faculty can create quiz and student can take up quiz. The quiz result and point system will display in the student account panel.

6.3 Modular Decomposition of Components:

6.3.1 Dashboard Component
Identification of Modules:

The modules identified in this component are:

- Admin account
- Publish news
- Publish events
- Publish meeting schedule
- Add course records
- Add subject records
- Add certificate types

Structure chart for Dashboard:
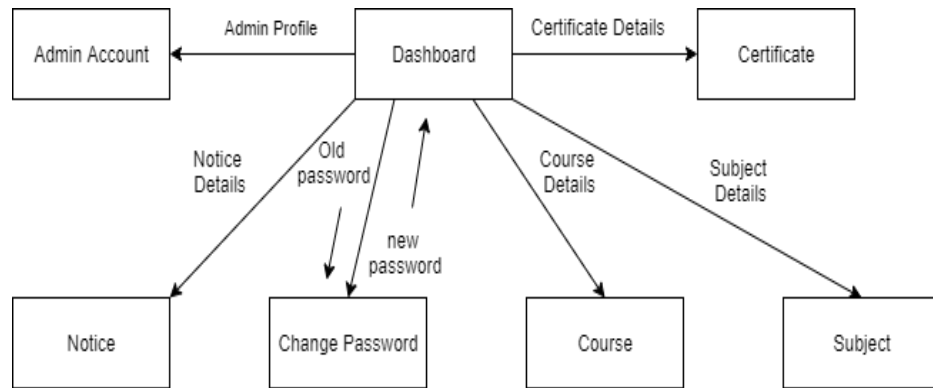
Fig.8: Dashboard Structure

6.3.2 Faculty Component:

Identification of Modules:

The modules identified in this component are:

- Quiz materials
- Study materials
- Students record
- Faculty profile
- Certificates

Structure chart for Faculty:
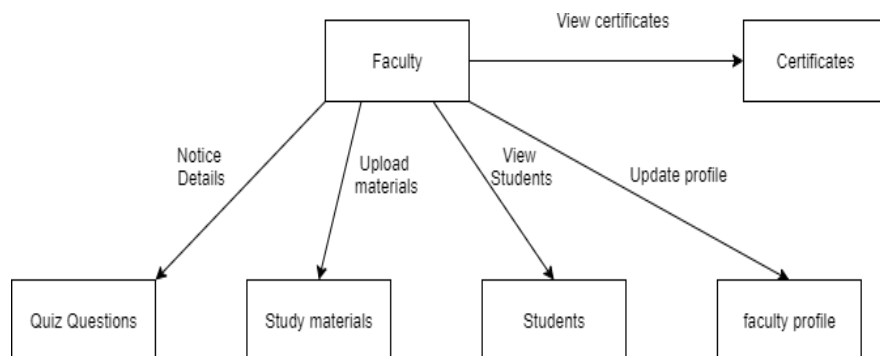
Fig.9: Faculty Structure

6.3.3 Discussion Component:

Identification of Modules:

The modules identified in this component are:

- Post discussion forum
- Discussion reply
- View discussion forum

Structure chart for Discussion:
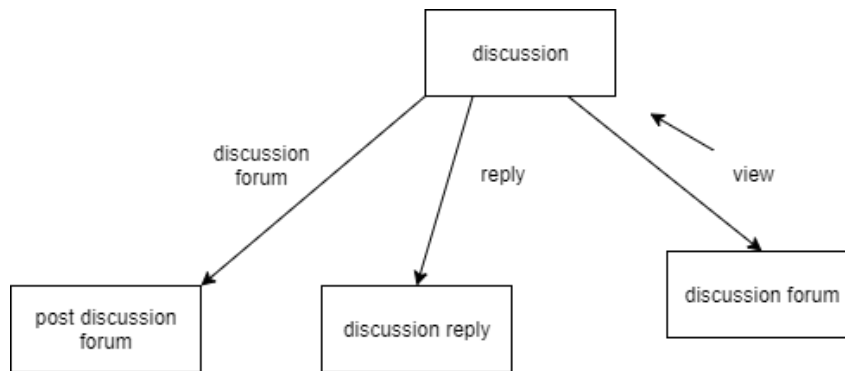
Fig.10: Discussion Structure

6.3.4 Quiz Component:

Identification of Modules:

The modules identified in this component are:

- Upload quiz question
- Attend quiz exam
- Quiz result

Structure chart for Quiz:
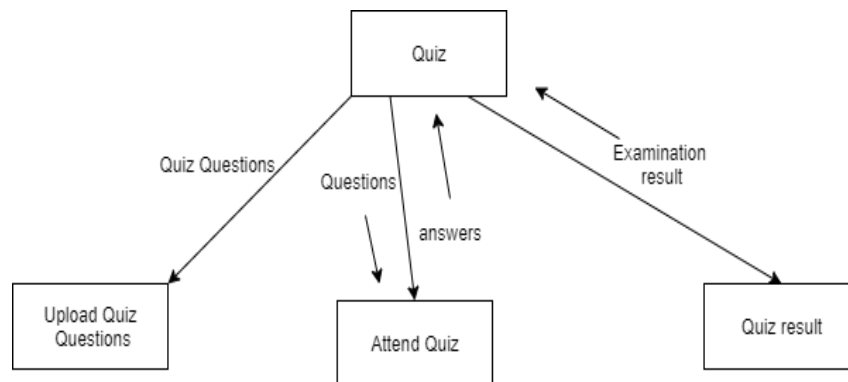
Fig.11: Quiz Structure

6.3.5 Study material Component:

Identification of Modules:

The modules identified in this component are:

- Upload notes
- View study materials

Structure chart for Study material:
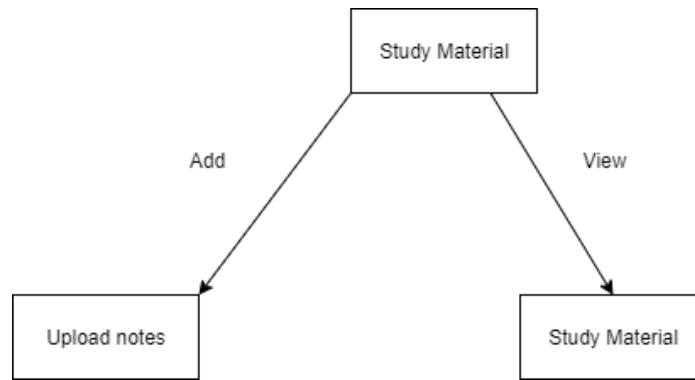
Fig.12: Study material structure

6.3.6 Certificate Component:

Identification of Modules:

The modules identified in this component are:

- Upload certificates
- View Certificates

Structure chart for certificate:
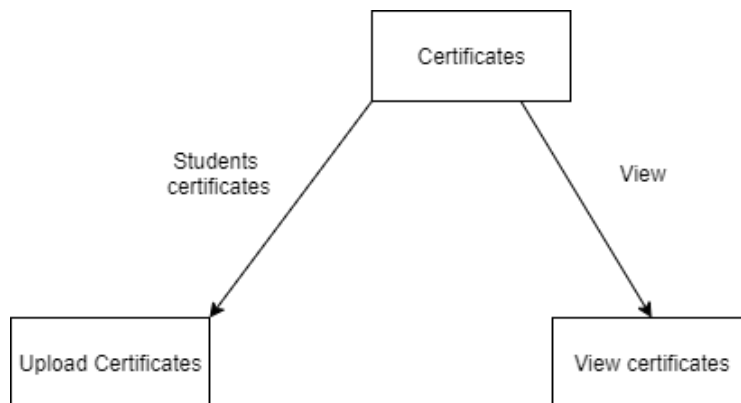
Fig.13: Certificate Structure

7. IMPLEMENTATION

7.1 Coding:

Index.php:

```php
<?php
include("header.php");=
$sqlmaxmeeting ="SELECT max(notice_id) FROM notice WHERE notice_type='Meeting' ";
$qsqlmaxmeeting = mysqli_query($con, $sqlmaxmeeting);
$rsrecmaxmeeting = mysqli_fetch_array($qsqlmaxmeeting);

$sqlnoticemeeting ="SELECT * FROM notice WHERE notice_id='$rsrecmaxmeeting[0]'";
$qsqlnoticemeeting = mysqli_query($con, $sqlnoticemeeting);
$rsrecnoticemeeting = mysqli_fetch_array($qsqlnoticemeeting);

$sqlmaxnews ="SELECT max(notice_id) FROM notice WHERE notice_type='News and Updates'
";
$qsqlmaxnews = mysqli_query($con, $sqlmaxnews);
$rsrecmaxnews = mysqli_fetch_array($qsqlmaxnews);

$sqlnoticenews ="SELECT * FROM notice WHERE notice_id='$rsrecmaxnews[0]'";
$qsqlnoticenews = mysqli_query($con, $sqlnoticenews);
$rsrecnoticenews = mysqli_fetch_array($qsqlnoticenews);

$sqlmaxevents ="SELECT max(notice_id) FROM notice WHERE notice_type='Events' ";
$qsqlmaxevents = mysqli_query($con, $sqlmaxevents);
$rsrecmaxevents = mysqli_fetch_array($qsqlmaxevents);

$sqlnoticeevents ="SELECT * FROM notice WHERE notice_id='$rsrecmaxevents[0]'";
$qsqlnoticeevents = mysqli_query($con, $sqlnoticeevents);
$rsrecnoticeevents = mysqli_fetch_array($qsqlnoticeevents);

?>
  <section id="sliderSection">
   <div class="row">
     <div class="col-lg-8 col-md-8 col-sm-8">
      <div class="slick_slider">


      <div     class="single_iteam">     <a     href="single_page.php?noticeid=<?php     echo
$rsrecnoticenews['notice_id']; ?>&noticetype=News and Updates"><img src="<?php
                          if(file_exists("noticeimages/" . $rsrecnoticenews['uploads']))
                          {
                                  echo "noticeimages/" . $rsrecnoticenews['uploads'];
                          }
                          else
                          {
                                  echo "images/no-image.png";
                          }
```

```php
                                                ?>"></a>
        <div class="slider_article">
            <h2><a          class="slider_tittle"          href="single_page.php?noticeid=<?php      echo
$rsrecnoticenews['notice_id'];        ?>&noticetype=News          and          Updates"><?php      echo
$rsrecnoticenews['title']; ?></a></h2>
                <p><?php echo substr($rsrecnoticenews['description'], 0, 200); ?></p>
        </div>
        </div>


        <div       class="single_iteam">       <a        href="single_page.php?noticeid=<?php        echo
$rsrecnoticeevents['notice_id']; ?>&noticetype=Events"><img src="<?php
                                if(file_exists("noticeimages/" . $rsrecnoticeevents['uploads']))
                                {
                                                echo "noticeimages/" . $rsrecnoticeevents['uploads'];
                                }
                                else
                                {
                                        echo "images/no-image.png";
                                }
                                ?>"></a>

        <div class="slider_article">
            <h2><a          class="slider_tittle"          href="single_page.php?noticeid=<?php      echo
                                     $rsrecnoticeevents['notice_id'];    ?>&noticetype=Events">
        <?php                          echo                           $rsrecnoticeevents['title'];
?></a></h2>
            <p>
            <?php echo substr($rsrecnoticeevents['description'], 0, 200); ?>
            </p>
        </div>
        </div>

    <div       class="single_iteam">
    <a        href="single_page.php?noticeid=<?php
    echo $rsrecnoticemeeting['notice_id']; ?>&noticetype=Meeting">
<img src="<?php
                                if(file_exists("noticeimages/" . $rsrecnoticemeeting['uploads']))
                                {
                                                echo "noticeimages/" . $rsrecnoticemeeting['uploads'];
                                }
                                else
                                {
                                        echo "images/no-image.png";
                                }                       ?>"></a>
                                            <div class="slider_article">
                                                    <h2><a        class="slider_tittle"
                                        href="single_page.php?noticeid=<?php
                                                $rsrecnoticemeeting['notice_id'];
                                        ?>&noticetype=Meeting"><?php echo
                                                $rsrecnoticemeeting['title'];
                                ?></a></h2>
```

```php
      <p><?php echo substr($rsrecnoticemeeting['description'], 0, 200); ?></p>
    </div>
  </div>


   </div>
  </div>
 <?php include("rightsidebar.php"); ?>
 </div>
</section>


<section id="contentSection">
     <div class="row">
  <div class="col-lg-8 col-md-8 col-sm-8">
   <div class="left_content">
    <div class="single_post_content">
     <h2><span>Placements</span></h2>
     <div class="single_post_content_left">
      <ul class="business_catgnav wow fadeInDown">
        <li>
    <figure       class="bsbig_fig">      <a      href="single_page.php?noticeid=<?php      echo
$rsrecnoticeplacements['notice_id']; ?>&noticetype=Placements" class="featured_img"></figure>
      <img src="<?php


                  ?>"> </a>


          <span class="overlay"></span>
           <figcaption>          <a          href="single_page.php?noticeid=<?php      echo
$rsrecnoticeplacements['notice_id'];               ?>&noticetype=Placements"><?php          echo
$rsrecnoticeplacements['title']; ?></a> </figcaption>
         </figure>
       </li>
      </ul>
     </div>
      <ul class="spost_nav">
                  <?php
    $sql ="SELECT * FROM notice WHERE notice_type='Placements'";
    $qsql = mysqli_query($con, $sql);
    while($rsrec = mysqli_fetch_array($qsql))
    {
       if(file_exists("noticeimages/" . $rsrec['uploads']))
         {
            $imgname =  "noticeimages/".$rsrec['uploads'];
         }
         else
         {
            $imgname =  "images/no-image.png";
         }
```

```php
            echo "<li>                    echo "noticeimages/" . $rsrecnoticenews['uploads'];
                <div            class='media            wow            fadeInDown'>            <a href='single
                <div
                        class='
                media-body'>            echo "images/no-image.png";href='single_page.php?noticeid=
        $rsrec[notice_id]&noticetype=Pla
        cements'
        class='catg_title'>$rsrec[title]</a>
        </div>
                </div>
                </li>";
            }
                ?>
            </ul>
            </div>
            </div>
        <?php

        if(file_exists("
        noticeimages/"
                .
        $rsrecnoticene
        ws['uploads']))
{
                                }
                                else
                                {

                                }
                                ?>" height="250"> <span class="overlay"></span> </a>
            <figcaption>          <a          href="single_page.php?noticeid=<?php          echo
    $rsrecnoticenews['notice_id'];      ?>&noticetype=News      and      Updates"><?php      echo
    $rsrecnoticenews['title']; ?></a></figcaption>
            </figure>
            </li>
            </ul>

            <ul class="spost_nav">
                                        <?php
        $sql ="SELECT * FROM notice WHERE notice_type='News and Updates'";
        $qsql = mysqli_query($con, $sql);
        while($rsrec = mysqli_fetch_array($qsql))
        {
            if(file_exists("noticeimages/" . $rsrec['uploads']))
            {
                $imgname =  "noticeimages/".$rsrec['uploads'];
            }
            else
            {
                $imgname =  "images/no-image.png";
            }
            echo "<li>
                <div          class='media          wow          fadeInDown'>
```

```
            <a href='single_page.php?noticeid=$rsrec[notice_id]&noticetype=News and Updates'
class='media-
            left'><img src='$imgname'></a>
            <div                              class='media-body'>                              <a
href='single_page.php?noticeid=$rsrec[notice_id]&noticetype=News        and        Updates'
class='catg_title'>$rsrec[title]</a> </div>
                </div>
            </li>";
        }
        ?>
    </ul>
    </div>
    </div>
    <div class="technology">
     <div class="single_post_content">
      <h2><span>Meeting</span></h2>
      <ul class="business_catgnav wow fadeInDown">
       <li>
         <figure    class="bsbig_fig">   <a    href="single_page.php?noticeid=<?php   echo
$rsrecnoticemeeting['notice_id'];    ?>&noticetype=Meeting"    class="featured_img">    <img
src="<?php
                          if(file_exists("noticeimages/" . $rsrecnoticemeeting['uploads']))
                          {
                                  echo "noticeimages/" . $rsrecnoticemeeting['uploads'];
                          }
                          else
                          {
                                  echo "images/no-image.png";
                          }
                          ?>" height="250"> <span class="overlay"></span> </a>
            <figcaption>        <a        href="single_page.php?noticeid=<?php        echo
$rsrecnoticemeeting['notice_id']; ?>&noticetype=Meeting"><?php echo $rsrecnoticemeeting['title'];
?></a></figcaption>
          </figure>
       </li>
      </ul>

      <ul class="spost_nav">
                              <?php
       $sql ="SELECT * FROM notice WHERE notice_type='Meeting'";
       $qsql = mysqli_query($con, $sql);
       while($rsrec = mysqli_fetch_array($qsql))
       {
          if(file_exists("noticeimages/" . $rsrec['uploads']))
            {
                $imgname =  "noticeimages/".$rsrec['uploads'];
            }
            else
            {
                $imgname =  "images/no-image.png";
            }
          echo "<li><div class='media wow fadeInDown'>        <a
```

```
                    href='single_page.php?noticeid=$rsrec[notice_id]&noticetype=Meeting'    class='media-left'>
                    <img src='$imgname'> </a>
                        <div                              class='media-body'>                              <a
href='single_page.php?noticeid=$rsrec[notice_id]&noticetype=Meeting'
class='catg_title'>$rsrec[title]</a> </div>
                    </div>
                    </li>";
                }
                ?>
            </ul>
          </div>
        </div>
      </div-->


    </div>
   </section>
<?php
include("footer.php");
?>
```

User login.php:

```
<?php
include("header.php");
if(isset($_SESSION['user_id'])){
        echo "<script>window.location='dashboard.php';</script>";
}
if(isset($_POST['submit'])){
        $ectpass=md5($_POST['password']);
        $sql  =  "SELECT  *  FROM  user  WHERE  login_id='$_POST[loginid]'  AND
password='$ectpass' AND status='Active'";
        $qsql = mysqli_query($con,$sql);
        if(!$qsql){
                echo mysqli_error($con);
        }
        if(mysqli_num_rows($qsql) == 1) {
                $rs = mysqli_fetch_array($qsql);
                $_SESSION['user_id'] = $rs['user_id'];
                $_SESSION['user_type'] = $rs[user_type];
                echo "<script>window.location='index.php';</script>";
        }
        else
        {
                $msg  =   "<p><font  color='red'><strong>Invalid  Login  ID  and  password
entered..</strong></font></p>";
        }
}
?>

<section id="contentSection">
<div class="row">
<div class="col-lg-8 col-md-8 col-sm-8">
```

```html
<div class="left_content">
<div class="contact_area">
<h2>Staff Login Panel</h2>
<p>Login into your account.</p>
<p><font color='red'><strong><?php echo $msg; ?></strong></font></ p>
<form action="" class="contact_form" method="post" name="frmuserlogin" onsubmit="return
validateform()">
<span id="idusertype"></span>
        <br>
         Login ID:<font color='red' size='4'><strong>*</strong></font>
<inputname="loginid" class="form-control" type="text" placeholder="Login ID">
<span id="idloginid"></span>
        <br>
         Password:<font color='red' size='4'><strong>*</strong></font>
<input name="password" class="form-control" type="password" placeholder="Password">
<span id="idpassword"></span>
        <br>
<br>
<input name="submit" type="submit" value="Login">
</form>
</div>
</div>
</div>
</div>
</section>
<?php
 include("footer.php")
 ?>
<script type="application/javascript">
 function validateform()
 {
                var alphaExp = /^[a-zA-Z]+$/; //Variable to validate only alphabets
                var alphaspaceExp = /^[a-zA-Z\s]+$/; //Variable to validate only alphabets and space
                var alphanumbericExp = /^[a-zA-Z0-9]+$/; //Variable to validate only alphabets  and
space
                var numericExpression = /^[0-9]+$/; //Variable to validate only numbers

        var validatecondtion = 0;

        document.getElementById("idloginid").innerHTML ="";
        document.getElementById("idpassword").innerHTML ="";

        if(!document.frmuserlogin.loginid.value.match(alphanumbericExp))
        {
document.getElementById("idloginid").innerHTML ="<font   color='red'>Only   alphabets  and
numeric values are allowed...</font>";
                validatecondtion=1;
        }
         if(document.frmuserlogin.loginid.value=="")
        {
document.getElementById("idloginid").innerHTML ="<font color='red'>Login ID should not be
```

```
        empty..</font>"; validatecondtion=1;

                }if(document.frmuserlogin.password.value.length < 8){
        document.getElementById("idpassword").innerHTML ="<font color='red'>Password must contain
        8 characters..</font>";validatecondtion=1;}
                if(document.frmuserlogin.password.value==""){
        document.getElementById("idpassword").innerHTML ="<font color='red'>Password should not be
        empty..</font>";validatecondtion=1;}
         if(validatecondtion==1){
return false;

}
else{                        return true;

}</script>
        Student registration.php:
        <?php
        include("header.php");
        if($_SESSION['sessionid'] == $_POST['sessionid']){
                $ectpass =md5($_POST['password']);
                if($_FILES["profileimage"]["name"] != ""){
                        $imgname = rand(). $_FILES["profileimage"]["name"];
                move_uploaded_file($_FILES["profileimage"]["tmp_name"],"studentimages/".$imgname);
                }
                if(isset($_POST['submit'])){
                        $aboutus= mysqli_real_escape_string($con, $_POST['aboutus']);
                        if(isset($_GET['editid']))
        {$sql="UPDATE studentset
        student_name='$_POST[name]',roll_no='$_POST[rollno]',password='$ectpass',";
        if($_FILES["profileimage"]["name"] != ""){
                                        $sql = $sql . "student_img='$imgname',";
                                        }
                                        $sq=$sql                                        .
        "course_id='$_POST[course]',semester='$_POST[semester]',about_student='$aboutus',email_id='$_
        POST[emailid]',mob_no='$_POST[mobileno]',status='$_POST[status]',batch='$_POST[batch]'
        WHERE student_id='" . $_GET['editid'] . "'";
                                        $qsql = mysqli_query($con,$sql);
                                        if(!$qsql)
        {

                                                echo mysqli_error($con);
                                        }
                                        if(mysqli_affected_rows($con) == 1)
                                        {
                echo "<SCRIPT>alert('Student record UPDATED successfully..');</SCRIPT>";
                                        }
}
else{

        $sql = "SELECT * FROM student WHERE roll_no='$_POST[rollno]' AND (status='Active' OR
        status='Inactive')";
```

```php
$_SESSION['sessionid'] = rand();
if(isset($_GET['editid']))
{
        $sqledit = "SELECT * FROM student WHERE student_id='" . $_GET['editid'] . "'";
        $qsqledit = mysqli_query($con,$sqledit);
        $rsedit = mysqli_fetch_array($qsqledit);
}
?>
```

```html
<section id="contentSection">
<div class="row">
<div class="col-lg-8 col-md-8 col-sm-8">
<div class="left_content">
<div class="contact_area">
<h2>Student Registration Panel</h2>
<p>Kindly register by entering following details...</p>
<formaction=""class="contact_form"method="post"                          enctype="multipart/form-
data"name="frmstudent"onsubmit="return validateform()">
<inputype="hidden"name="sessionid"value="<?phpecho $_SESSION['sessionid']; ?>">
        Full Name:<font color='red' size='4'><strong>*</strong></font>
```

```html
<input name="name" class="form-control" type="text" placeholder="Name" value="<?php echo
$rsedit['student_name']; ?>"
```
```php
<?php
        if(isset($_SESSION['user_id']))
        {
         echo " readonly";
        }
                        ?>
```
```html
        />
<span id="idname"></span>
        <br>
        Batch (Enter starting year):<font color='red' size='4'><strong>*</strong></font>
<input name="batch" id="batch" class="form-control" type="number" placeholder="Enter starting
year" value="<?php echo $rsedit['batch']; ?>" min="1950" max="<?php echo date("Y"); ?>" />
<span id="idbatch"></span>
        <br>

         Course:<font color='red' size='4'><strong>*</strong></font>
<select name="course" id="course" class="form-control"<?php
                        if(isset($_SESSION['user_id']))
                        {
                                echo " readonly";
                        }
                        ?>>
<option value="">Select Course</option>
```
```php
        <?php
                        $sqlcourse = "SELECT * FROM course WHERE status='Active'";
                                $qsqlcourse = mysqli_query($con,$sqlcourse);
                while($rscourse = mysqli_fetch_array($qsqlcourse))
                                {
                if($rscourse['course_id'] == $rsedit['course_id'])
                                        {
```

```php
                               echo
"<option value='$rscourse[course_id]' selected>$rscourse[course]</option>";
                               }
                               else
                               {
                               echo "<option value='$rscourse[course_id]' ";
                               if(isset($_SESSION['user_id']))
                               {
                                       echo " disabled ";
                               }
                               echo ">$rscourse[course]</option>";
                               }
                       }
                       ?>
</select>
<span id="idcourse"></span>
       <br>
<?php
?>

       Roll No:<font color='red' size='4'><strong>*</strong></font>
<span id="divrollno"><input type="hidden" name="dbidrollno"></span>
<input name="rollno" class="form-control" type="text" placeholder="Roll No" value="<?php  echo
$rsedit['roll_no']; ?>"
<?php
                       if(isset($_SESSION['user_id']))
                       {
                               echo " readonly ";
                       }
                       ?>>
<input type="hidden" name="dbidrollno" value="1">
<span id="idrollno"></span>


                       <br>
       Password:<font color='red' size='4'><strong>*</strong></font>
<input    name="password"    class="form-control"    type="password"    placeholder="Password"
value="<?php echo $rsedit['password']; ?>">
<span id="idpassword"></span>
       <br>



       Confirm Password:<font color='red' size='4'><strong>*</strong></font>
<input name="confirmpassword" class="form-control" type="password" placeholder="Confirm
Password" value="<?php echo $rsedit['password']; ?>">
<span id="idconfirmpassword"></span>
       <br>
       Profile Image:<font color='red' size='4'><strong>*</strong></font>
<input      type="file"      name="profileimage"      class="form-control"      accept="image/*"
onchange="loadFile(event)">
<?php
       if($rsedit['student_img'] == "")
```

```
            {

                echo '<img    src="images/no-image.png"    height="200"    alt="Image    preview..."
        id="previewimg">';}else
{
                echo "<img src='studentimages/$rsedit[student_img]' height='200' alt='Image preview...'
        id='previewimg'";

                                        echo ">";
                }
                ?><br />
<br>
                About:
<textarea name="aboutus" class="form-control" cols="30" rows="10" placeholder="About Me"
<?php
                                if(isset($_SESSION['user_id']))
                                {
                                        echo " readonly";
                                }
                                ?>><?php echo $rsedit['about_student']; ?></textarea>
<br />
                Email Id:<font color='red' size='4'><strong>*</strong></font>
<input name="emailid" class="form-control" type="email" placeholder="Email Id" value="<?php
echo $rsedit['email_id']; ?>"
<?php
                                if(isset($_SESSION['user_id']))
                                {
                                        echo " readonly";
                                }
                                ?>
>
<span id="idemailid"></span>
        <br>
         Mobile No:<font color='red' size='4'><strong>*</strong></font>
<input    name="mobileno"    class="form-control"    type="text"    placeholder="Mobile    No"
value="<?php echo $rsedit['mob_no']; ?>"
<?php if(isset($_SESSION['user_id'])){
                                        echo " readonly";
                                }
                                ?>
>
<span id="idmobileno"></span>
        <br>
<?php           if(isset($_SESSION['user_id'])){
                        ?>
        Status:
<select name="status" class="form-control">
<option value="">Select Status</option>
<?php $arr = array("Active","Inactive"); foreach($arr as $val){ if($val == $rsedit['status']) {
        echo "<option value='$val' selected>$val</option>";
         }else{
        echo "<option value='$val'>$val</option>";}}?>}
```

```
                        else{
                        ?>
<input type="hidden" name="status" value="Pending"  />
<?php }
                        ?>
<input name="submit" type="submit" value="Click Here to Register">
</form>
</div>
</div>
</div>
<?php include("rightsidebar.php"); ?>
</div>
</section>
<?php
 include("footer.php")
 ?>
<script>
 var loadFile = function(event) {
   var reader = new FileReader();
   reader.onload = function(){
     var output = document.getElementById('previewimg');
     output.src = reader.result;


   };
   reader.readAsDataURL(event.target.files[0]);
 };
</script>
<script type="application/javascript">
 function validateform()
 {
        var alphaExp = /^[a-zA-Z]+$/; //Variable to validate only alphabets
        var alphaspaceExp = /^[a-zA-Z\s]+$/; //Variable to validate only alphabets and space
        var alphanumbericExp = /^[a-zA-Z0-9]+$/; //Variable to validate only alphabets and space
        var numericExpression = /^[0-9]+$/; //Variable to validate only numbers
        var validatecondtion = 0;
        document.getElementById("idname").innerHTML ="";
        document.getElementById("idrollno").innerHTML ="";
        document.getElementById("idpassword").innerHTML ="";
        document.getElementById("idconfirmpassword").innerHTML ="";
        document.getElementById("idcourse").innerHTML ="";
        //document.getElementById("idsemester").innerHTML ="";
        document.getElementById("idemailid").innerHTML ="";
        document.getElementById("idmobileno").innerHTML ="";
        document.getElementById("idbatch").innerHTML ="";
        if(!document.frmstudent.name.value.match(alphaspaceExp))


        {
        document.getElementById("idname").innerHTML="<font
color='red'>Only alphabets are allowed...</font>";
                validatecondtion=1;
        }
         if(document.frmstudent.name.value=="")
```

```javascript
            {
        document.getElementById("idname").innerHTML="<font
color='red'>Name cannot be empty.</font>";
                validatecondtion=1;
            }
         if(document.frmstudent.batch.value=="")
            {
document.getElementById("idbatch").innerHTML ="<font color='red'>Kindly Enter Batch or
Year.</font>";
                validatecondtion=1;
            }
        if(!document.frmstudent.rollno.value.match(alphanumbericExp))
            {
document.getElementById("idrollno").innerHTML ="<font color='red'>Only Alpha numeric values
allowed. .. </font>";
                validatecondtion=1;
            }
        if(document.frmstudent.rollno.value=="")
            {
document.getElementById("idrollno").innerHTML ="<font color='red'>Kindly enter your Roll
Number..</font>";
                validatecondtion=1;
            }

        if(document.frmstudent.password.value.length < 8)
            {
document.getElementById("idpassword").innerHTML="<font color='red'>Password must contain
at least 8 characters..</font>";
                validatecondtion=1;
            }
        if(document.frmstudent.password.value=="")
            {
document.getElementById("idpassword").innerHTML ="<font color='red'>Password should not be
empty..</font>";
                validatecondtion=1;
            }
         if(document.frmstudent.password.value!=document.frmstudent.confirmpassword.value)
            {
document.getElementById("idconfirmpassword").innerHTML="<font   color='red'>Password   and
Confirm password not matching..</font>";
                validatecondtion=1;
            }
        if(document.frmstudent.confirmpassword.value=="")
            {
document.getElementById("idconfirmpassword").innerHTML="<font color='red'>Password should
not be empty..</font>";
                validatecondtion=1;
            }
        if(document.frmstudent.course.value=="")
            {
document.getElementById("idcourse").innerHTML="<font     color='red'>Kindly     select     your
course..</font>";
                validatecondtion=1;
```

```
            }
            /*
            if(document.frmstudent.semester.value=="")
            {
document.getElementById("idsemester").innerHTML="<font
color='red'>Kindly select your semester</font>";

                    validatecondtion=1;
            }
            */
            if(document.frmstudent.emailid.value=="")

            {

            document.getElementById("idemailid").innerHTML ="<font color='red'>Email ID cannot
be empty. </font>";

                    validatecondtion=1;
            }

            if(document.frmstudent.mobileno.value.length != 10 )
            {

document.getElementById("idmobileno").innerHTML="<font
color='red'>Mobile Number must be equal to or more than 10 digits..</font>";

             validatecondtion=1;
            }

            if(!document.frmstudent.mobileno.value.match(numericExpression)){
            document.getElementById("idmobileno").innerHTML ="<font color='red'>Only numeric values
            allowed... </font>";

             validatecondtion=1;
            }

            if(validatecondtion==1)
            {
                    return false;
            }

            else
            {       return true;


            }
    }
```

```javascript
function validaterollno(course,semester,rollno) {
document.getElementById("divrollno").innerHTML="<input
type='hidden' name='dbidrollno'>";
   if (rollno == "")
        {
 document.getElementById("divrollno").innerHTML="<input
type='hidden' name='dbidrollno'>";
      return;
   }
       else
       {
     if (window.XMLHttpRequest)
              {
       // code for IE7+, Firefox, Chrome, Opera, Safari
       xmlhttp = new XMLHttpRequest();
     }
              else
              {
       // code for IE6, IE5
       xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");
     }
     xmlhttp.onreadystatechange = function()
              {
       if (this.readyState == 4 && this.status == 200)
                   {
       document.getElementById("divrollno").innerHTML = this.responseText;
       }
     };
     xmlhttp.open("GET","ajaxrollno.php?course="+course+"&semester="+       semester       +
"&rollno="+rollno,true);
     xmlhttp.send();
   }
}
</script>
```

Display Certificate.php:

```php
            <?php
include("header.php");
if(isset($_POST['submit']))
{
       $sql = "UPDATE   certificate   SET   status='"  .  $_POST['status']  .  "',note='"  .
$_POST['certificatetitle'] ."' WHERE certificate_id ='$_GET[certificate_id]'";
       $qsql = mysqli_query($con,$sql);
       echo mysqli_error($con);
       if(mysqli_affected_rows($con) == 1)
       {
               echo "<script>alert('Certificate record updated successfully..');</script>";
       }
}$sql="SELECT * FROM certificate WHERE certificate_id ='$_GET[certificate_id]'";
$qsql=mysqli_query($con,$sql);
```

```php
?>
<section id="contentSection">
<div class="row">

<center><h2>Student detail</h2></center>
        <table border="1" border="1" class="table table-striped table-bordered" cellspacing="0"
style="width:100%;">
<thead>
<tr>
<th scope="col">Image</th>
<th scope="col">Student Name</th>
<th scope="col">Batch</th>
<th scope="col">Roll No</th>
<th scope="col">Course</th>
<th scope="col">About Student</th>
<th scope="col">Email ID</th>
<th scope="col">Mobile No</th>
</tr>
</thead>
<tbody>
<?php
 $sql ="SELECT * FROM student WHERE student_id='" . $rsrec['student_id'] . "'";
 $qsql = mysqli_query($con, $sql);
 while($rssrec = mysqli_fetch_array($qsql))
  {
        $sqlcourse = "SELECT * FROM course WHERE course_id='$rssrec[course_id]'";
        $qsqlcourse = mysqli_query($con,$sqlcourse);
        $rscourse = mysqli_fetch_array($qsqlcourse);
   echo "<tr>
<td> <imgsrc='studentimages/$rssrec[student_img]'width='50' height='50' ></td>
<td> $rssrec[student_name]</td>
<td> $rssrec[batch]</td>
<td> $rssrec[roll_no]</td>
<td> $rscourse[course]</td>
<td> $rssrec[about_student]</td>
<td> $rssrec[email_id]</td>
<td> $rssrec[mob_no]</td>";
        echo "</tr>";
  }
  ?>
</tbody>
</table>

<hr>
        <center><h2>Certificate detail</h2></center>
<?php
```

```php
$sqlcertificate_type="SELECT*FROM
certificate_type WHERE certificate_type_id='$rsrec[certificate_type_id]'";
        $qsqlcertificate_type = mysqli_query($con,$sqlcertificate_type);
        $rscertificate_type = mysqli_fetch_array($qsqlcertificate_type);
?>
```
```html
<table      border="1"      class="table    table-striped    table-bordered"      cellspacing="0"
style="width:1100px;">
<thead>
<tr>
<th
scope="col">CertificateType</th>
<td> <?php echo $rscertificate_type['certificate_type']; ?></td>
<th
scope="col">Eventname</th>
<td> <?php echo $rsrec['event_name']; ?></td>
</tr>


<tr>
<th        scope="col">Certificate        Date</th><td> <?php        echo        date("d-M-
Y",strtotime($rsrec['certificate_date'])); ?></td>
<th
scope="col">EventPlace</th>
<td> <?php echo $rsrec['cerficate_place']; ?></td>
</tr>


<tr>
<th
scope="col">PrizeWon</th>
<td colspan="3"> <?php echo $rsrec['price_won']; ?></td>
</tr>


<tr>
<th        scope="col">About        Certificate</th><td        colspan="3"> <?php        echo
$rsrec['certificate_detail']; ?></td>
</tr>


<tr>
<th
scope="col" style="vertical-align: top;">Certificate</th><td colspan="3"> 
        <center><a href="certificate_file/<?php echo $rsrec['certificate_file']; ?>" class="btn btn-
info" download>Download Certificate</a></center>
        <hr>
        <embed    src="certificate_file/<?php    echo    $rsrec['certificate_file'];    ?>"    style='width:
100%;height: 600px;'
type="application/pdf">
        </td>
</tr>
<?php
if(isset($_SESSION['student_id']))
{?>
```

```
<th scope="col">Staff message</th><td colspan="3"> <?php echo $rsrec['note']; ?></td>
</tr>
<?php
}
?>
</tbody>
</table>

<hr>
<?php            if(isset($_SESSION['user_id']))
{
              ?>
<section id="contentSection">
<div class="row">
<div class="col-lg-12 col-md-12 col-sm-12">
<div class="left_content">
<div class="contact_area">
<h2>Accept / Reject Certificate</h2>
<form action="" class="contact_form" method="post" name="frmcourse" onsubmit="return
validateform()">
<input type="hidden" name="certificate_id" value="<?php echo $_GET['certificate_id']; ?>">
        Any note<font color='red' size='4'><strong>*</strong></font>:
<input name="certificatetitle" class="form-control" type="text" placeholder="Enter note *"
value="<?php echo $rsrec['note']; ?>">
<span id="idcoursetitle"></span>
<br />Select Verification Status:
<select name="status" class="form-control">
<option value="">Select Status</option>
<?php $arr = array("Accept","Reject"); foreach($arr as $val){
                          if($val == $rsrec['status']){
                          echo "<option value='$val' selected>$val</option>";}else{
        echo "<option value='$val'>$val</option>";}}?>
                                          </select> <br />
<input name="submit" type="submit" value="Submit"></form></div></div></div>
</div></section>  <?php }?>

</div></section><?php include("footer.php"); include("datatables.php");?>
```

Dbconnection:

```
<?php
// Create connection
$con=mysqli_connect("localhost","root","","stellarstudent");
echo mysqli_connect_error();
?>
```

7.2 Testing:

Introduction:

Testing is the major quality control measure used during software development. It is a basic function to detect errors in the software. During the requirement analysis and design the output of the document that is usually textual and non-executable after the coding phase the computer programs are available that can be executed for testing purpose. This implies that testing not only has to uncover errors introduce during the previous phase. The goal of testing is to uncover requirement, design, and coding errors in the program.

Testing determines whether the system appears to be working according to the specifications. It is the phase where we try to break the system and we test the system with real case scenarios at a point.

Levels of Testing:

- #### Unit Testing:

  The unit testing of the source code has to be done for every individual unit of module that was developing part of the system and some errors were found for every turn and rectified. This form of testing was use to check for the behavior signified the working of the system in different environment as an independent functional unit.

- #### Integration Testing:

  From the individual parts to the cohesion of each part to make the system as a whole, there is need to test the working between the assembled modules of the system. The modules are integrated to make up the entire system. The testing process is concerned with finding errors that result from unanticipated interaction between the sub-system and system component. It is also concerned with validating the system meets its functional and non-functional requirement.

- #### System Testing:

  The requirement specification document that is the entire system is to be tested to see whether it meets the requirement or not.

Test Reports:

Test Unit: User Component

Adding User:

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If user type is not selected	usertype	Kindly select user type.	SUCCESSFUL
2.	If user name contains other than Character values	name	Name should contain only alphabets.	SUCCESSFUL

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
3.	If login id contains other than alphabets and digits	loginid	Only alphabets and numeric values are allowed.	SUCCESSFUL
4.	If password length is less than 8 characters	password	Password must contain at least 8 characters.	SUCCESSFUL
5.	If password and confirm password does not match.	password, confirmpassword	Password and Confirm password are not matching.	SUCCESSFUL
6.	If status is not selected	status	Kindly select your status.	SUCCESSFUL

User login:

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If login id contains other than alphabets and digits	loginid	Only alphabets and numeric values are allowed.	SUCCESSFUL
2.	If password contains less than 8 characters	password	Password must contain at least 8 characters..	SUCCESSFUL

Profile Update:

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If user name contains other than Character values.	name	Name should contain only alphabets.	SUCCESSFUL

Change user password:

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If the old password contains less than 8 characters	oldpassword	Password must contain at least 8 characters.	SUCCESSFUL

2.	If the new password contains less than 8 characters	newpassword	Password must contain at least 8 characters.	SUCCESSFUL
3.	If the password and confirm password does not match	newpassword, confirmpassword	Password and Confirm password are not matching.	SUCCESSFUL

Test Unit: Student Component

Student Registration

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If student name contains other than Character values	name	Name should contain only alphabets.	SUCCESSFUL
2.	If course is not selected	course	Kindly select your course.	SUCCESSFUL
3.	If roll number contains other than alphanumeric value	rollno	Only alpha numeric values allowed.	SUCCESSFUL
4.	If password contains less than 8 characters	password	Password must contain at least 8 characters.	SUCCESSFUL
5.	If password and confirm password does not match	password, confirmpassword	Password and Confirm password are not matching.	SUCCESSFUL
6.	If E-mail ID is invalid	emailid	Invalid E-mail ID.	SUCCESSFUL

Student Login:

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If the Registration Number and Password does not match.	rollno, password	Invalid Roll Number and password	SUCCESSFUL

2.	If roll number contains other than digits and alphabets	rollno	Only alphanumeric values allowed.	SUCCESSFUL
3.	If password contains less than 8 characters	password	Password must contain at least 8 characters..	SUCCESSFUL

Student Profile Update:

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If student name contains other than Character values	name	Name should contain only alphabets.	SUCCESSFUL
2.	If E-mail ID is invalid	emailid	Invalid E-mail ID.	SUCCESSFUL

Student Change Password:

Test ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If the old password contains less than 8 characters	oldpassword	Password must contain at least 8 characters.	SUCCESSFUL
2.	If the new password contains less than 8 characters	newpassword	Password must contain at least 8 characters.	SUCCESSFUL
3.	If the password and confirm password does not match	newpassword, confirmpassword	Password and Confirm password are not matching.	SUCCESSFUL

Student Forgot Password:

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If the Registration Number and email ID does not match.	rollno, emailid	Invalid login credentials entered.	SUCCESSFUL
2.	If roll number contains other than Alphanumeric value	rollno	Only alphanumeric values allowed.	SUCCESSFUL

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
3.	If the E-mail ID is invalid.	emailid	Enter the valid email id.	SUCCESSFUL

Test Unit: Notice component:

Add Notice:

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If notice type is not selected	noticetype	Kindly select Notice type.	SUCCESSFUL
2.	If title is not entered	title	Title cannot be empty.	SUCCESSFUL
3.	If description is not entered	description	Kindly add description.	SUCCESSFUL

Test Unit: Wallpost component:

Chat:

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If message is not entered	text	Message cannot be empty.	SUCCESSFUL
2.	If image is not chosen	image	Kindly post image.	SUCCESSFUL
3.	If video is not chosen	video	Kindly post video.	SUCCESSFUL

Test Unit: Course component:

Add Course:

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If course is not added	coursetitle	Kindly add Course.	SUCCESSFUL

Test Unit: Subject component: Add Subject:

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If course is not selected.	coursetitle	Kindly select Course.	SUCCESSFUL
2.	If subject is not added.	subject	Kindly add Subject.	SUCCESSFUL

Test Unit: Discussion component:

Add Discussion:

Test ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If subject is not selected	subject	Select the subject.	SUCCESSFUL
2.	If title is not entered	Title	Title must be entered	SUCCESSFUL
3.	If description is not entered	description	Description should not be empty.	SUCCESSFUL

Test Unit: Discussion Reply component:

Give Reply:

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If the title and uploads are empty.	title, uploads	Reply cannot be empty.	SUCCESSFUL

Test Unit: Study Material component:

Add Material:

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If course is not selected.	Course title	Kindly select Course.	SUCCESSFUL

Test ID.	Condition To be Tested	Test Data	Expected Output	Remarks
3.	If subject is not selected.	subject	Kindly select Subject.	SUCCESSFUL
4.	If title is not entered	title	Title should not be empty.	SUCCESSFUL
5.	If uploads are not added	uploads	Kindly include uploads.	SUCCESSFUL

Test Unit: Quiz Component:

Add Quiz:

Test ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If course is not selected	course	Kindly select course.	SUCCESSFUL
3.	If subject is not selected	subject	Kindly select subject.	SUCCESSFUL
4.	If title is not entered	Title	Title must not be empty.	SUCCESSFUL

Add Questions:

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If quiz question is not added.	question	Kindly add quiz question.	SUCCESSFUL
2.	If options are not added	option1, option2, option3, option4	Options cannot be empty.	SUCCESSFUL
3.	If correct answer is not selected	Correct answer	Kindly select the correct answer.	SUCCESSFUL

Test Unit: Certificate Component:

Add Certificate:

Test Case ID.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If certificate is not selected	certificate	Kindly select certificate.	SUCCESSFUL

2.	If certificate date is not mentioned	semester	Kindly select certificate date.	SUCCESSFUL
3.	If event name is not entered	subject	Kindly select event name.	SUCCESSFUL
4.	If Organization name is not entered	Title	Organization name must not be empty.	SUCCESSFUL

7.3 Output and Screenshots:

Screen 1: Home Page

Screen 2: Student Registration Panel

Screen 3: Group Discussion and Personal Chat

Screen 4: Participate in Quiz

Screen 5: Upload certificate by student

View Certificates

Here you can view all the certificates that you uploaded.
To upload a new certificate go to "Add new certificate" page.

Course	Batch	Certificate Category	
Select Course ⌄	Enter Year	Select Certificate Type ⌄	Search Record

Show 10 ⌄ entries   Search: _____

Student ⇅	Certificate Type ⇅	Event name ⇅	Certificate Date ⇅	Place ⇅	Prize Won ⇅	Status ⇅	Action ⇅
Harshini Nandi (17wh1a05a9) Batch: 2017 Course: CSE	Hackathons	Smart India Hackathon 2020	17-06-2020	SIH- BVRITH		Verified	View
Harshini Nandi (17wh1a05a9) Batch: 2017 Course: CSE	Online Courses	The Joy of Computing using Python	15-10-2018	NPTEL	81%	Verified	View
Pravallika (18wh1a0517) Batch: 2017	Coding Contest	Hour of code	11-06-2019	BVRITH	Participation certificate	Verified	View

Screen 6: View Uploaded Certificates

STUDY MATERIAL

Course:*

    Select Course   ⌄

Subject:*

    Select Subject   ⌄

Title:*

    Title

Description:

File ▾   Edit ▾   View ▾   Format ▾

↶ ↷   Formats ▾   **B**   *I*   ≡ ≡ ≡ ≡   ⫷ ⫸

P

Uploads:*

    Choose File   No file chosen

Screen 7: Upload Study Material

PUBLISH NOTICE HERE

Add your notice.

Notice Type:*

Select ⌄

Title:*

Title

Description* (Pls include Contact details as well):
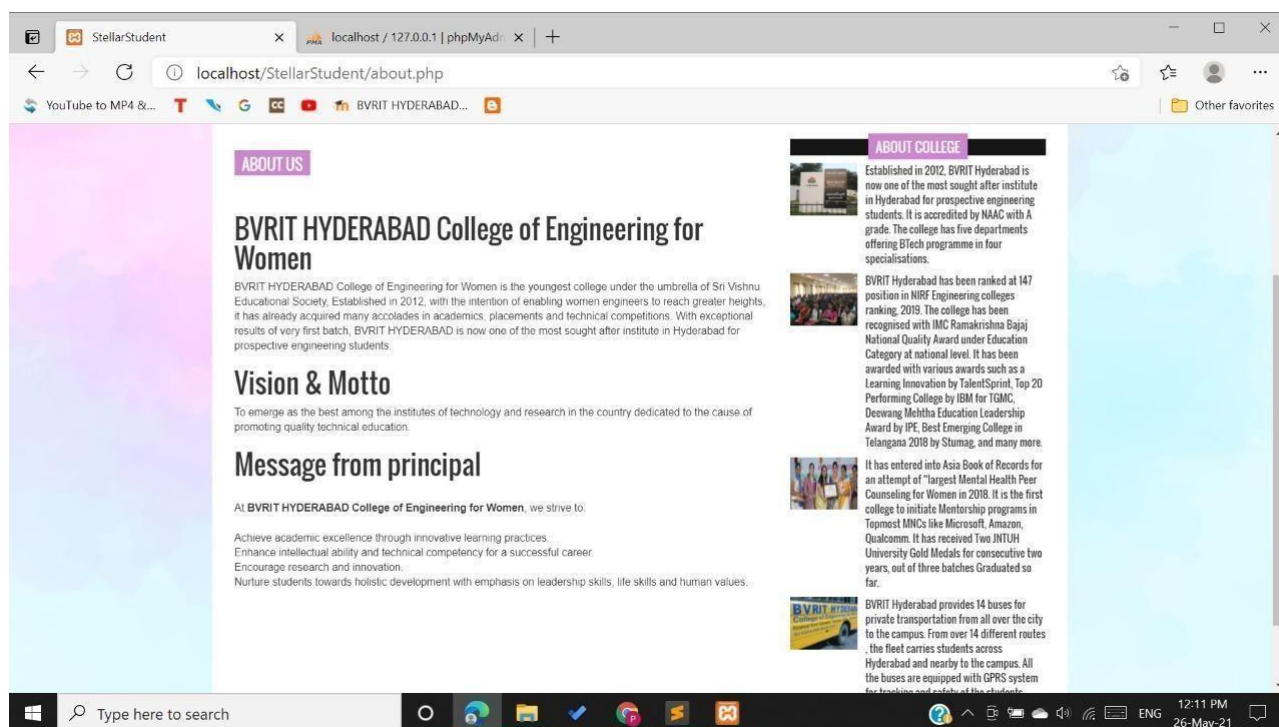
File ▾   Edit ▾   View ▾   Format ▾

↶   ↷   Formats ▾   **B**   *I*   ≡ ≡ ≡ ≡   ⫤ ⫥

p

Upload Image:

Choose File   No file chosen

Screen 8: Add Notice

Screen 9: About College

8. Conclusion and Future Scope

The project work titled "StellarStudent" has been designed using PHP – Hypertext Pre-Processor where in many user-friendly form controls have been added in order to make it a user interactive application. The system is developed in such a way that the user with common knowledge of computers can handle it easily. This website makes it easy for the BVRIT-H College to interact with their staffs and students in single platform.

It was a wonderful learning experience while working on this project. This project took us through the various phases of project development and gave us real insight into the world of software designing. The joy of working and the thrill involved while tackling the various problems and challenges gave us a feel of developer's industry. It was due to the project we came to know how professional software's are designed. The future enhancements to the system can be made as technology changes.

Future scope concerns incorporating facility for students to register for events mentioned from the website, feedback and testimonials given by alumni and providing a platform to stream the guest lectures that happened in the college.

9. References

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