A

Minor Project

On

STUDENT SOLUTION E-LEARNING PLATFORM

(Submitted in partial fulfilment of the requirements for the award of Degree)

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

By

A.Anusha
(19E41A0518)

Under the Guidance of

Dr. NAGA MALLESHWAR RAO

(Assistant Professor)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SREE DATTHA INSTITUTE OF ENGINEERING AND SCIENCE

(Accredited by NAAC, Affiliated to JNTUH, Approved by AICTE, New Delhi)

Recognized Under Section 2(f) of the UGCAct.1956,

Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy – 501510.

2019-23

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project entitled "**STUDENT SOLUTION E-LEARNING PLATFORM** " is being submitted by **A.ANUSHA(19E41A0518) ,A.AKSHAYKUMAR (19E41A0520) ,E.ANUSHA (19E41A0521),K.CHARAN (19E41A0546)**in partial fulfilment of the requirements for the award of the degree of B.Tech in Computer Science and Engineering to the Jawaharlal Nehru Technological University Hyderabad, is a record of bonafide work carried out by him/her under our guidance and supervision during the year 2022-23.

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

Dr. Naga Malleshwar Rao
Internal Guide

Dr. Md Sameeruddin Khan
Principal

Dr. M. Varaprasad Rao
HoD
External Examiner

Submitted for viva voice Examination held on _____

ACKNOWLEDGEMENT

Apart from our efforts, the success of any project depends largely on the encouragement and guidelines of many others. We take this opportunity to express our gratitude to the people who have been instrumental in the successful completion of this project.

We take this opportunity to express my profound gratitude and deep regard for my guide **Dr.Naga Malleshwar Rao** Assistant Professor for his exemplary guidance, monitoring and constant encouragement throughout the project work. The blessing, help and guidance given by him shall carry us a long way in the journey of life on which we are about to embark.

We are also thankful to **Dr. M. Varaprasad Rao,** Head, Department of Computer Science and Engineering for providing encouragement and support for completing this project successfully.

We are also thankful for **Dr.S.Venkata Achutha Rao** dean acedemics for his valiable technical support in acknowledgement. we are obliged to **Dr. Md. Sameeruddin Khan,** Principal for being cooperative throughout this project. We would like to express our sincere gratitude to **Dr. GNV Vibhav Reddy**, Vice-Chairman and **Sri. G. Panduranga Reddy,** Chairman for providing excellent infrastructure and a nice atmosphere throughout this project.

The guidance and support were received from all the members of **Sree Dattha Institute of Engineering and Science** who contributed to the completion of the project. We are grateful for their constant support and help.

Finally, we would like to take this opportunity to thank our family for their constant encouragement, without which this assignment would not be completed. We sincerely acknowledge and thank all those who gave support directly and indirectly in the completion of this project.

ABSTRACT

This project is aimed at developing an " **STUDENT SOLUTION E-LEARNING PLATFORM ''** that is of importance to either an educational institution or a college. The system is a web based application that can be accessed throughout the college or a specified department. This system is being developed for a college to maintain and facilitate easy access to information. For this the users need to be registered with the system after which they can access or modify data as per the permissions given to them.

LIST OF FIGURES

LIST OF SCREENSHOTS

TABLE OF CONTENTS

Chapter1

1. INTRODUCTION

1.INTRODUCTION

1.1 PROJECT SCOPE

Current developing project is web based application in future we can ingrate this project with android and iphone based apps. We can add online video training feature in the future. Online examination module would be introduced to conduct online examination. Further, the faculty can upload the videos of their lectures on to this site and students who had missed those classes can view those videos.

1.2 PROJECT PURPOSE

This is one of the most significant benefits eLearning presents, and probably the most welcome! Traditional training can be expensive and often frustrating to maintain. eLearning removes the need for costly printed training materials and even on-site instructors. If modules within your content need to change, this can be done easily via your LMS without having to print and distribute updated training materials.

Time is precious, especially in a work environment, so why not save as much of it as you can? For employers, eLearning keeps any updates you need to impart simple. Whether you need to implement changes to your training content or company policies, eLearning allows you to easily add them to your LMS. This saves you a considerable amount of time on the organization of reprints, etc. Learners can also save time by accessing content where and when they need to, rather than relying on scheduled training. And you can use your LMS to automate manual tasks, making training management more time efficient.

1.3 PROJECT FEATURES

An eLearning portal is a website that offers learners interaction and collaboration on eLearning content like courses, presentations, podcasts and tests as well as content management for eLearning providers. To see the eLearning portal in action, you are welcome to check our interactive demo on SharePoint learning portal.

Key Features of eLearning Portals

The functionality of eLearning portals ScienceSoft delivers differs from customer to customer. Here, we've outlined the most popular features requested by companies we work with..

Chapter2

2. SYSTEM ANALYSIS

2.SYSTEM ANALYSIS

SYSTEM ANALYSIS

This project is concerned with the analysis, design, development, implementation and evaluation of an e-learning management system to provide a user friendly environment for pros**pective students to acquire knowledge at any educational level and to bridge the gap between teachers and students.**

2.1 PROBLEM DEFINITION

The main objective of the E-Learning is to help the students get over the traditional methods of learning and make them accustomed to the internet where the notes for their respective subjects are easily available. It provides an automation procedure of studying the notes online. The implementation of this project helps both the students and the teachers. The teachers can upload their notes on to the website by using their unique ID and the students can gain access to these notes by searching for the name of the file under their respective department.

2.2 EXISTING SYSTEM

iSpring Learn LMS. A cloud-based LMS that is easy to use but features advanced user and content management, powerful authoring capabilities, and a strong reporting engine.

TalentLMS. ...

Docebo. ...

Adobe Captivate Prime. ...

SAP Litmos.

.2.2.1 LIMITATIONS OF EXISTING SYSTEM

- More classification.
- Time consuming.
- Needs manual calculations.

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

2.3 PROPOSED SYSTEM

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides higher accuracy and reduces the classification work. The existing system has several disadvantages and many more difficulties to work well. The proposed system tries to eliminate or reduce these difficulties up to some extent. The proposed system helps the user to work user friendly and he can easily do his jobs without time lagging.

2.3.1 ADVANTAGES OF THE PROPOSED SYSTEM

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

- Ensure data accuracy's.
- Minimum time needed for the various processing.
- Greater efficiency.
- Better service.
- User friendliness and interactive.
- Minimum time required.

2.4 FEASIBILITY STUDY

The feasibility of the project is analyzed in this phase and business proposal is put forth with a very general plan for the project and some cost estimates. During system analysis the feasibility study of the proposed system is to be carried out. This is to ensure that the proposed system is not a burden to the company. Three key considerations involved in the feasibility analysis are

- Economic Feasibility
- Technical Feasibility
- Social Feasibility

2.4.1 ECONOMIC FEASIBILITY

The developing system must be justified by cost and benefit. Criteria to ensure that effort is concentrated on project, which will give best, return at the earliest. One of the factors, which affect the development of a new system, is the cost it would require.

The following are some of the important financial questions asked during preliminary investigation:

- The costs conduct a full system investigation.
- The cost of the hardware and software.
- The benefits in the form of reduced costs or fewer costly errors.

Since the system is developed as part of project work, there is no manual cost to spend for the proposed system. Also all the resources are already available, it give an indication of the system is economically possible for development.

2.4.2 TECHNICAL FEASIBILITY

This study is carried out to check the technical feasibility, that is, the technical requirements of the system. Any system developed must not have a high demand on the available technical resources. The developed system must have a modest requirement, as only minimal or null changes are required for implementing this system.

2.4.3 BEHAVIORAL FEASIBILITY

This includes the following questions:

- Is there sufficient support for the users?
- Will the proposed system cause harm?

The project would be beneficial because it satisfies the objectives when developed and installed. All behavioral aspects are considered carefully and conclude that the project is behaviorally feasible.

2.5 HARDWARE & SOFTWARE REQUIREMENTS

2.5.1 HARDWARE REQUIREMENTS

Hardware interfaces specifies the logical characteristics of each interface between the software product and the hardware components of the system. The following are some hardware requirements.

- Processor : Intel Dual Core@ CPU 2.90GHz.
- Hard disk : 16GB and Above.
- RAM : 4GB and Above.
- Monitor : 15 inches or above.

2.5.2 SOFTWARE REQUIREMENTS:

Software Requirements specifies the logical characteristics of each interface and software components of the system. The following are some software requirements,

- Operating system : Windows 8, 10 or above
- Frontend : html,css,
- Backend : php,mysql
- IDE : notepad++

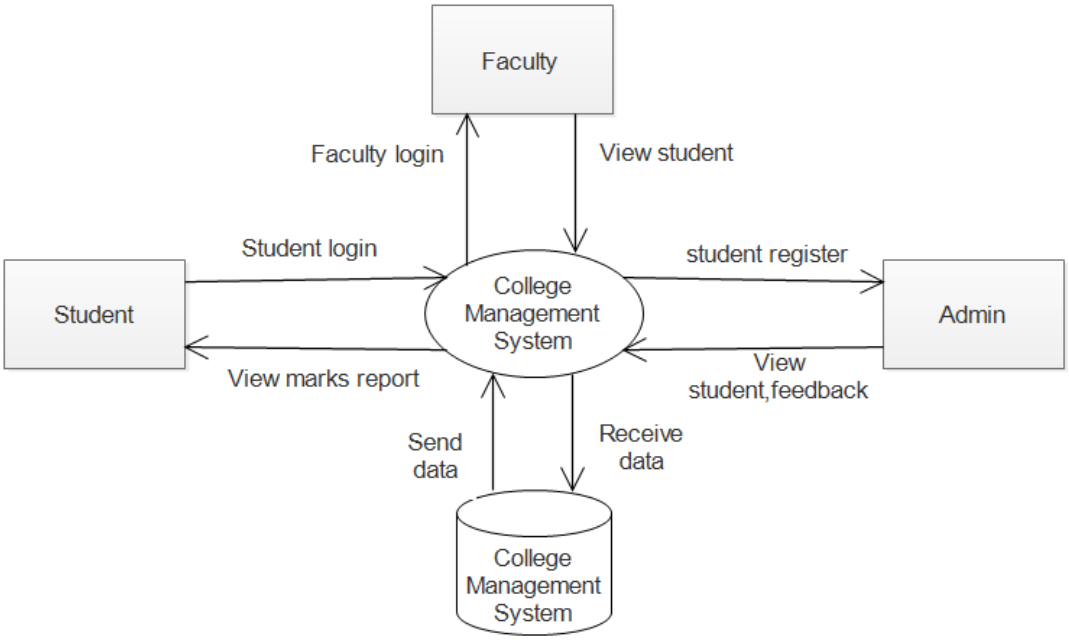
Chapter3

3. ARCHITECTURE

3. ARCHITECTURE

3.1 PROJECT ARCITECTURE

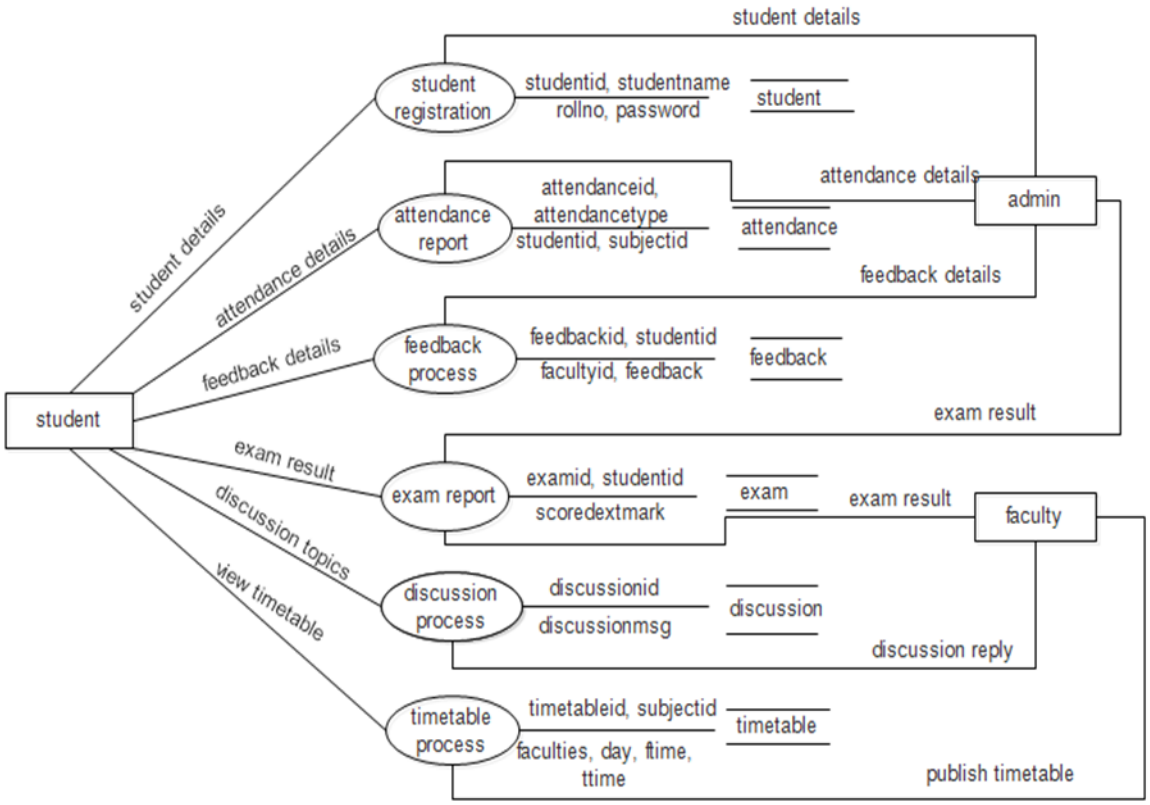
Context Flow Diagram **(**Level **0):**



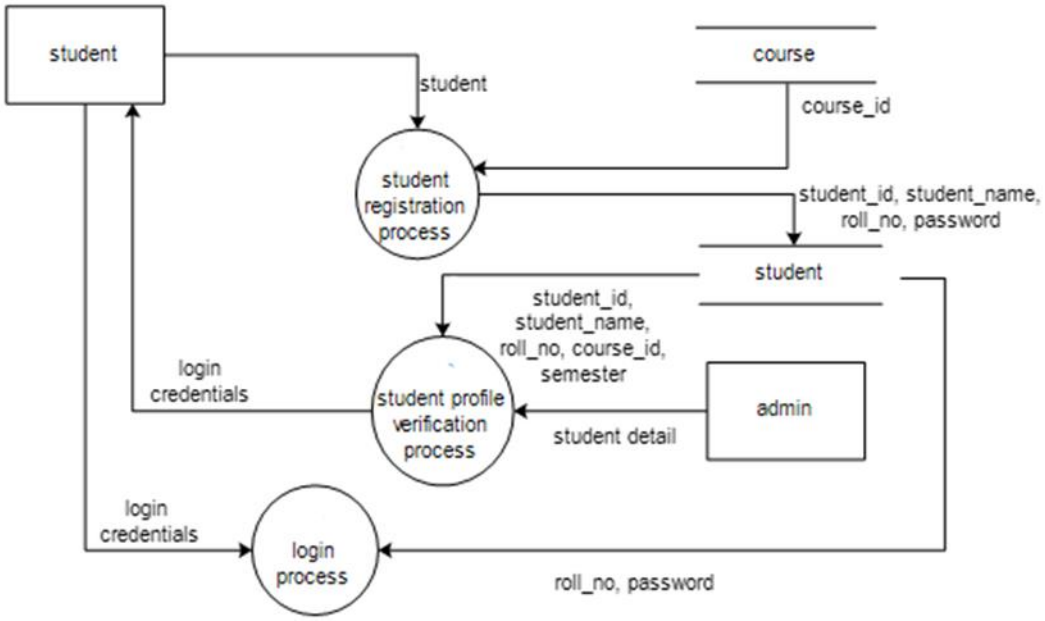
Context flow diagram is a top level data flow diagram. It only contains one process node that generalises the function of the entire system in relationship to external entities. In context diagram the entire system is treated as a single process and all its inputs, outputs, sinks and sources are identified and shown.

.

TOPLEVEL(DATAFLOWDIAGRAM)Level-1:



DATAFLOWDIAGRAM Level 2:



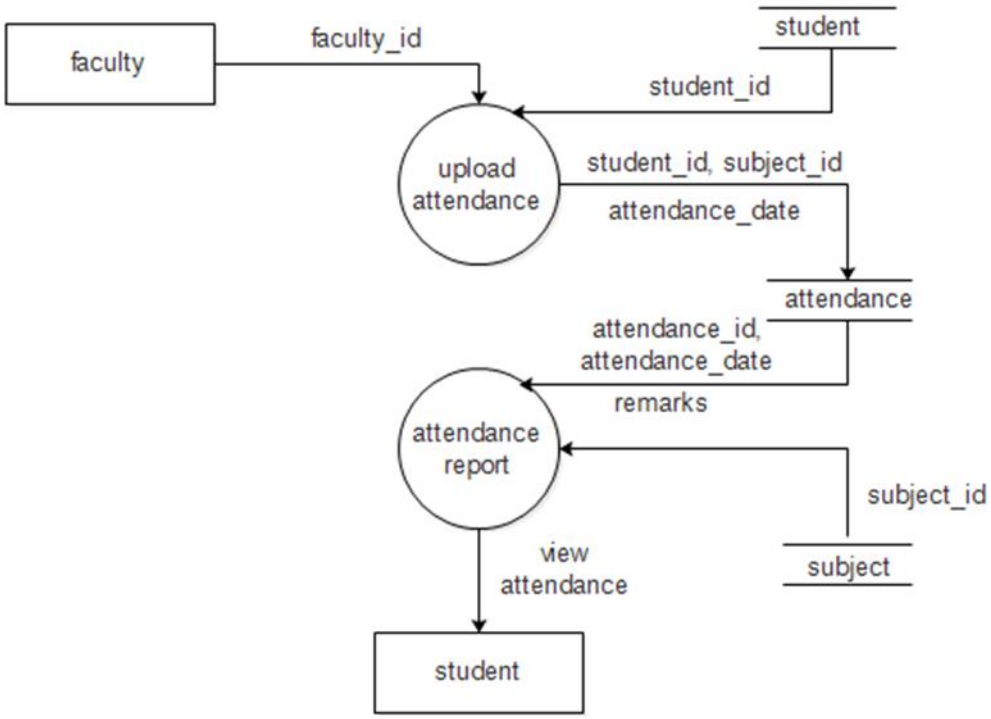
Description of component:

- Input :
- Student registration
- Student profile details to verify
- Login details

- Process Definition :
- Registration process
- Profile verification process
- Login process

- Output Definition:
- The system inserts registration details in the student table
- The system approved student profile details in the profile verification component
- In the login component the student can view account page after the login.

DATAFLOWDIAGRAM Level 3:



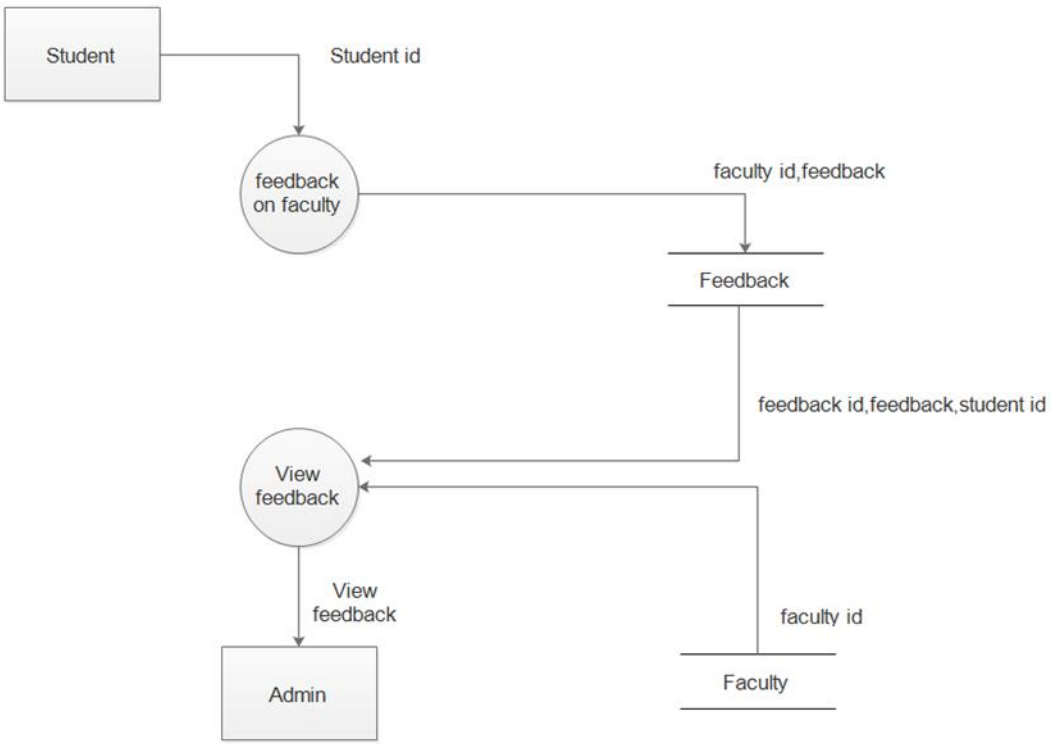
Description of component:

- Input :
- Attendance details
- Publishing attendance

- Process Definition:
- Uploading attendance
- Publishing attendance

- Output definition:
- The attendance detail stores in attendance table
- After the login the student can view attendance report
- Faculty can update the attendance in attendance module

DATAFLOWDIAGRAM Level 4:



Description of component:

- Input :
- Feedback detail
- Publishing the feedback

- Process Definition:
- Selecting faculty and subject
- Publishing the feedback

- Output definition:
- On selecting the faculty or the subject the feedback will be published
- The feedback posted will store in the feedback table.

Chapter4

4. IMPLEMENTATION

4.IMPLEMENTATION

4.1 SAMPLE CODE

```
<?php
session_start();
//#######################################################
$_SESSION['collegename'] = "SREE DATTHA INSTIUTE OF ENGINEERING AND COLLEGE";
$_SESSION['collegeaddress'] = "sheriguda, ibrahimpatnam, rangareddi, 501510";
$_SESSION['collegeemail'] = "sreedattha@gmail.com";
$_SESSION['collegecontactno'] = "8801099920";
//#######################################################
//#######################################################
/*
$_SESSION['collegename'] = "SREE DATTHA INSTITUTE OF ENGINEERING AND COLLEGE";
$_SESSION['collegeaddress'] = "sheriguda, ibrahimpatnam,rangareddi, 501510.";
$_SESSION['collegeemail'] = "sreedattha@gmail.com";
$_SESSION['collegecontactno'] = "8801099920";
*/
//#######################################################
$dt = date("Y-m-d");
$dttim = date("Y-m-d H:i:s");
error_reporting(0);
include("dbconnection.php");
if(isset($_SESSION['studentid']))
{
	$sqlstudentprofile = "SELECT * FROM student where studentid='$_SESSION[studentid]' ";
	$qsqlstudentprofile = mysqli_query($con,$sqlstudentprofile);
	$rsstudentprofile = mysqli_fetch_array($qsqlstudentprofile);
}
?>
<!DOCTYPE html>
```

```
<html lang="zxx">

<head>
	<title><?php echo $_SESSION['collegename']; ?> - STUDENT SOLUTION E-LEARNING PLATFORM</title>
	<!-- custom-theme -->
	<meta name="viewport" content="width=device-width, initial-scale=4">
	<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

	<script type="application/x-javascript">
		addEventListener("load", function () {
			setTimeout(hideURLbar, 0);
		}, false);

		function hideURLbar() {
			window.scrollTo(0, 1);
		}
	</script>


	<!-- js -->
	<script type="text/javascript" src="js/jquery-2.1.4.min.js"></script>
	<!-- for bootstrap working -->
	<script src="js/bootstrap.js"></script>
	<!-- //for bootstrap working -->
	<!-- //js -->

	<link rel="stylesheet" type="text/css" href="css/slicebox.css" />
	<!-- for banner-->
	<!-- font-awesome-icons -->
	<link href="css/font-awesome.css" rel="stylesheet">
```

```
        <!-- //font-awesome-icons -->
        <!-- //custom-theme files-->
        <link href="css/bootstrap.css" rel="stylesheet" type="text/css" media="all" />
        <link href="css/style.css" rel="stylesheet" type="text/css" media="all" />
        <!-- //custom-theme files-->
        <!-- fonts -->
        <link
href="//fonts.googleapis.com/css?family=Josefin+Sans:100,100i,300,300i,400,400i,600,600i,
700,700i&amp;subset=latin-ext,vietnamese"
            rel="stylesheet">
        <link
href="//fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i,8
00,800i&amp;subset=cyrillic,cyrillic-ext,greek,greek-ext,latin-ext,vietnamese"
            rel="stylesheet">
        <!-- //fonts -->


</head>
<body>
<?php
if(basename($_SERVER['PHP_SELF'])                ="index.php"                ||
basename($_SERVER['PHP_SELF'])                ="aboutus.php"                ||
basename($_SERVER['PHP_SELF']) ="contactus.php")
{
?>
    <!--banner-->
        <div class="banner-w3l" id="home">
                <div class="header-main-agile" style="top: 0px;">
                    <div class="header-right-w3l">
                        <div class="container">
                            <ul>
                                <li style='color:black;'>
                                    <span class="fa fa-home" aria-
hidden="true"></span> <?php echo $_SESSION['collegeaddress'] ; ?>
```

```
                                        </li>
                                        <li style='color:black;'>
                                                <span class="fa fa-envelope-o" aria-hidden="true"></span>
                                                <?php echo $_SESSION['collegeemail'] ; ?>
                                        </li>
                                        <li style='color:black;'>
                                                <span class="fa fa-phone" aria-hidden="true"></span> <?php echo $_SESSION['collegecontactno'] ; ?>
                                        </li>
                                </ul>
                        </div>
                </div>
                <!-- navigation -->
                <div class="nav-links">
                        <div class="container">
        <?php
        include("menu.php");
        ?>
                        </div>
                </div>
                <!-- /navigation -->
        </div>

        <div class="wrapper">
                <ul id="sb-slider" class="sb-slider">
                        <li>
                                <a href="#">
                                        <img src="images/AlvasCollage.jpg" alt="image1"  style="max-width: 1500px; height:600px;"/>
                                </a>
```

```
                    <div class="sb-description">
                        <h3 style="font-size: 50px;"><?php echo $_SESSION['collegename']; ?></h3>
                        <p style="font-size: 25px;">STUDENT SOLUTIN E-LERANING PLATFORM</p>
                        <i></i>
                    </div>
                </li>
                <li>
                    <a href="#">
                        <img src="images/Alvas6.jpg" alt="image2" style="max-width: 1500px; height:600px;"/>
                    </a>
                    <div class="sb-description">
                        <h3 style="font-size: 50px;"><?php echo $_SESSION['collegename']; ?></h3>
                        <p style="font-size: 25px;">STUDENT SOLUTION E-LEARNING PLATFORM</p>
                        <i></i>
                    </div>
                </li>
                <li>
                    <a href="#">
                        <img src="images/alvas5.jpg" alt="image1" style="max-width: 1500px; height:600px;" />
                    </a>
                    <div class="sb-description">
                        <h3 style="font-size: 50px;"><?php echo $_SESSION['collegename']; ?></h3>
                        <p style="font-size: 25px;">STUDENT SOLUTION E-LEARING PLATFORM</p>
                        <i></i>
                    </div>
```

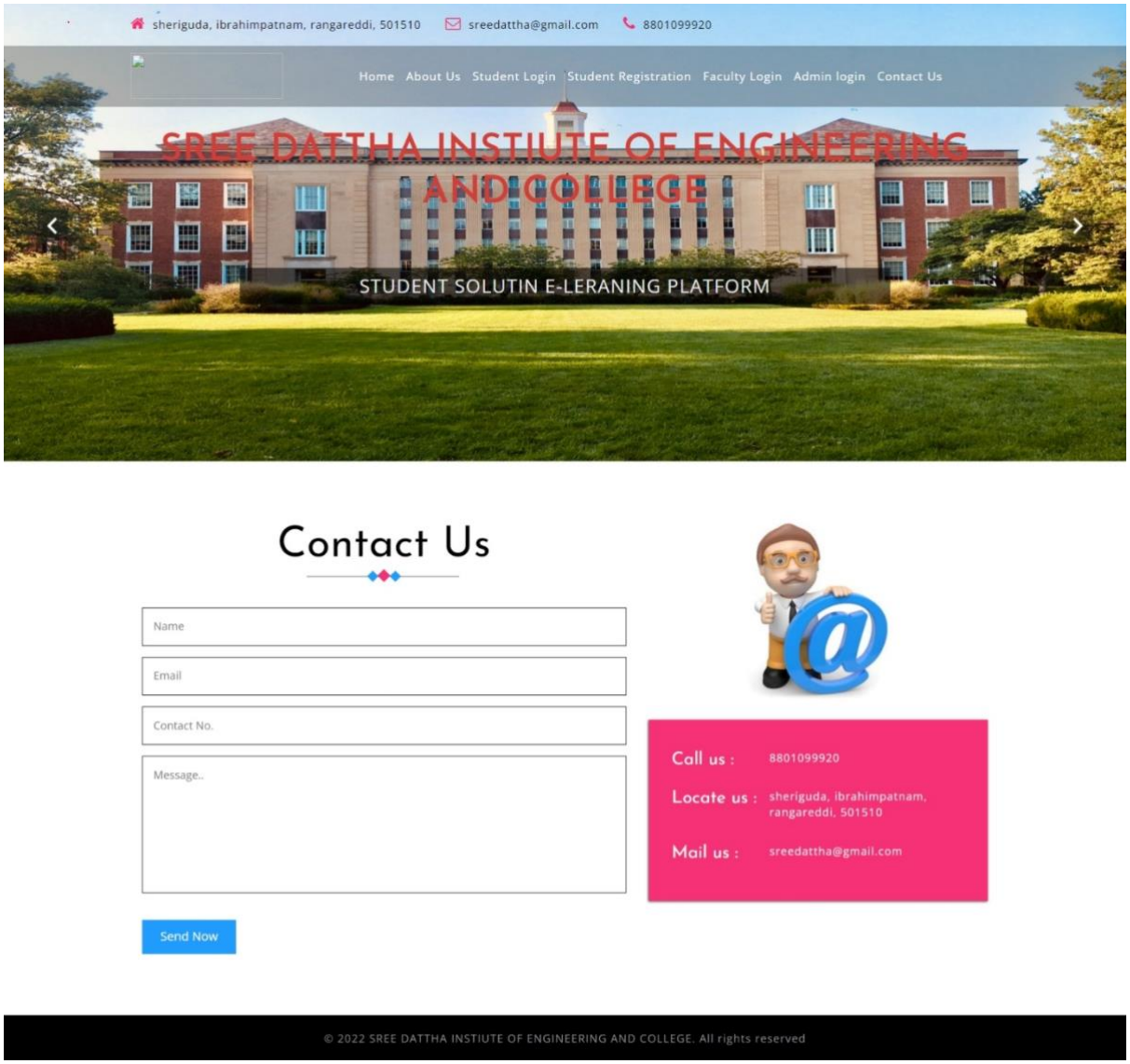
```
                    </li>
                </ul>
                <div id="nav-arrows" class="nav-arrows">
                    <a href="#">Next</a>
                    <a href="#">Previous</a>
                </div>

            </div>
            <!-- /wrapper -->
        </div>
        <!-- //banner -->
<?php
}
else
{
?>
                    <div class="nav-links">
                    <div class="container">
        <?php
        include("menu.php");
        ?>
                    </div>
                </div>
<?php
}
?>
```

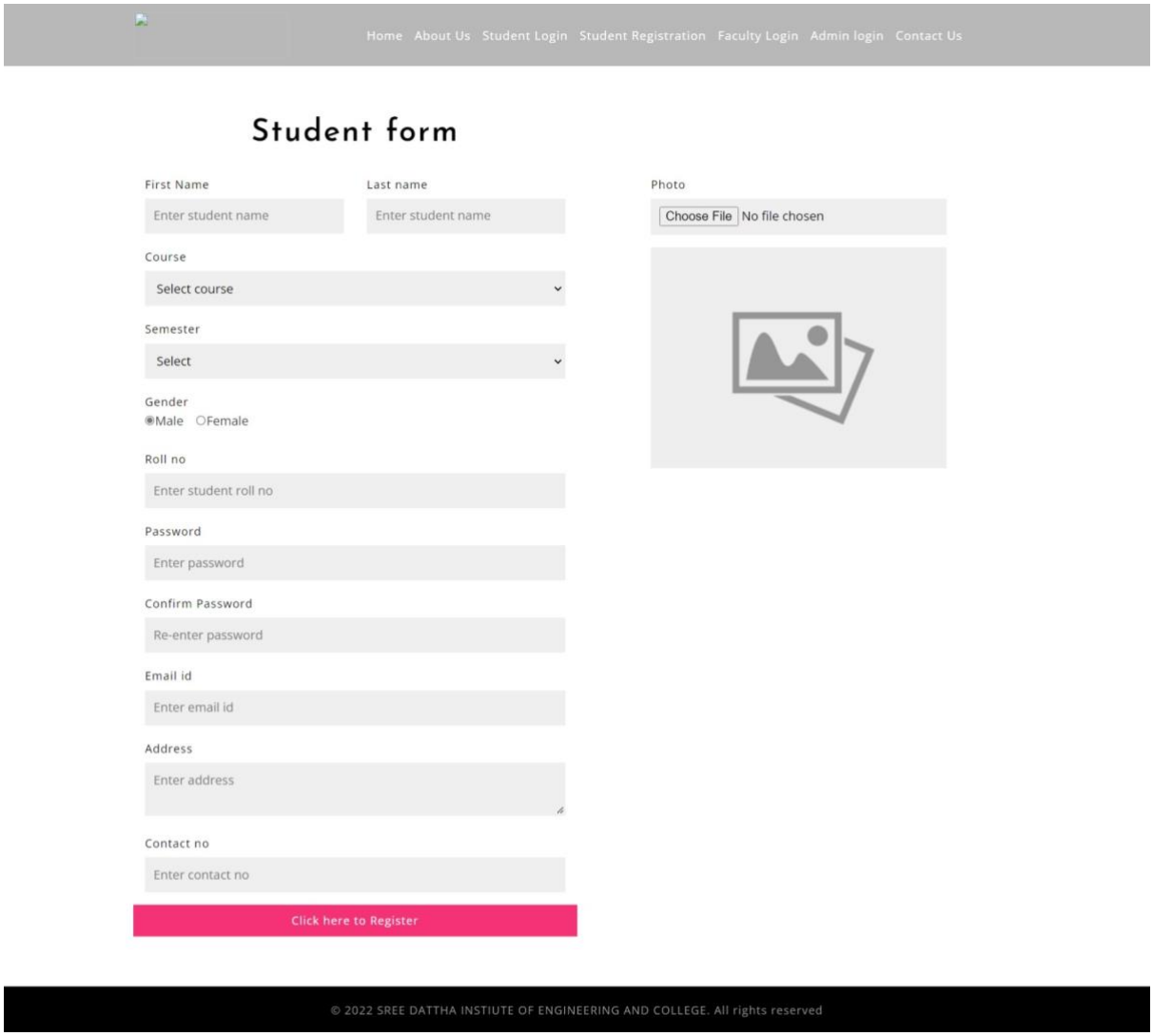
Chapter 5

5.SCREENSHOTS

5.1 HOME PAGE

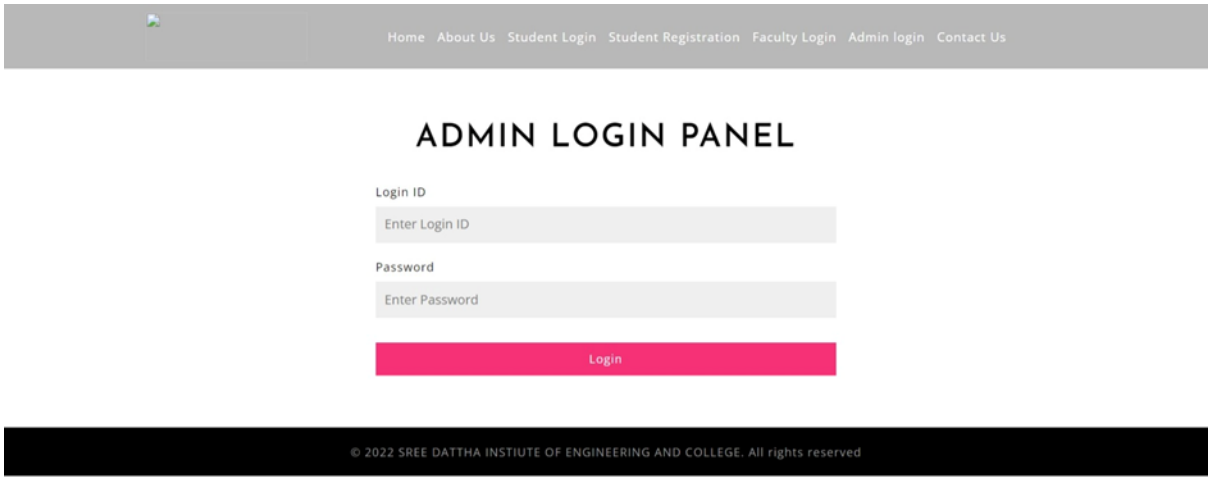


5.2 STUDENT REGISTRATION FORM

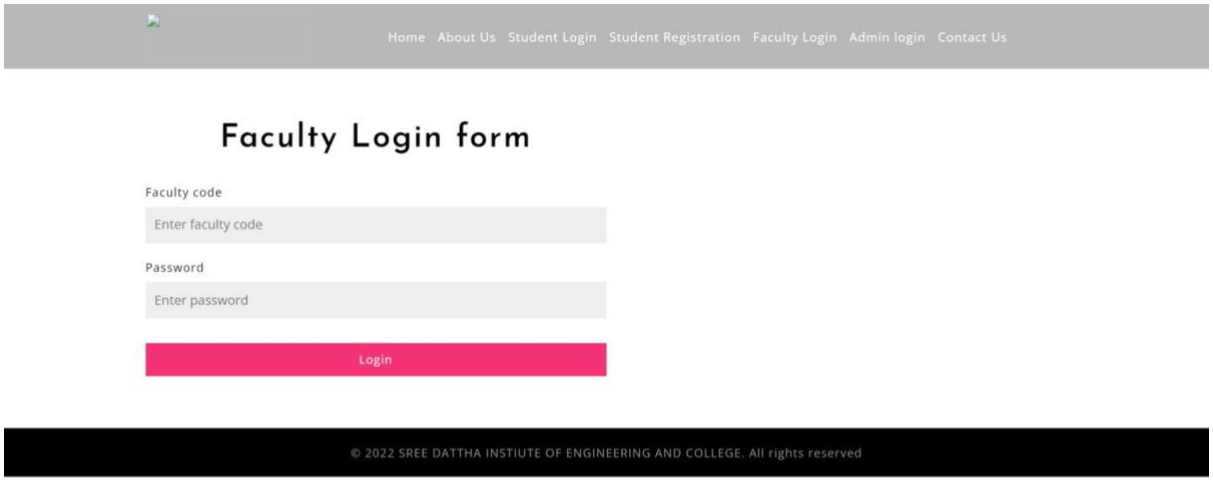


Screenshot 5.1student registration form

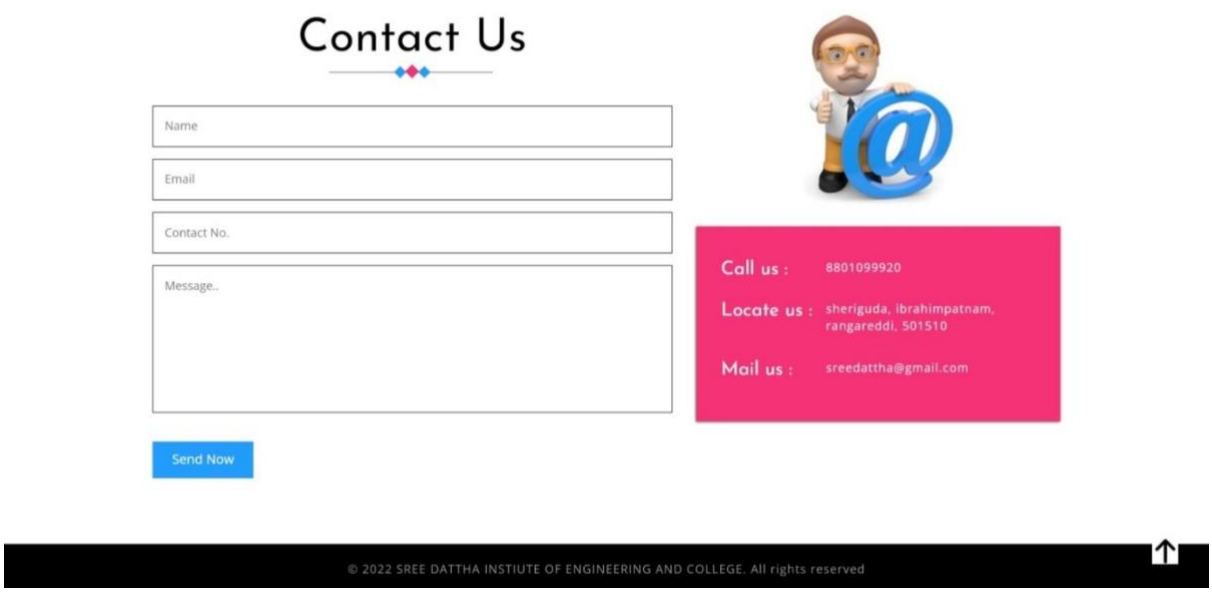
5.3 ADMIN LOGIN



5.4 FACULTY LOGIN



5.5CONTACTUS



Chapter 6

6.TESTING

6. TESTING

6.1 INTRODUCTION TO TESTING

The purpose of testing is to discover errors. Testing is the process of trying to discoverevery conceivable fault or weakness in a work product. It provides a way to check the functionality of components, subassemblies, assemblies and/or a finished product. It is the process of exercising software with the intent of ensuring that the Software system meets its requirements and user expectations and does not fail in an unacceptable manner. There are various types of test. Each test type addresses a specific testing requirement.

6.2 TYPES OF TESTING

6.2.1 UNIT TESTING

Unit testing involves the design of test cases that validate that the internal program logic is functioning properly, and that program inputs produce valid outputs. All decision branches and internal code flow should be validated. It is the testing of individual software units of the application .it is done after the completion of an individual unit before integration. This is a structural testing, that relies on knowledge of its construction and is invasive. Unit tests perform basic tests at component level and test a specific business process, application, and/or system configuration. Unit tests ensure that each unique path of a business process performs accurately to the documented specifications and contains clearly defined inputs and expected results.

6.2.2 INTEGRATION TESTING

Integration tests are designed to test integrated software components to determine if they actually run as one program. Testing is event driven and is more concerned with the basic outcome of screens or fields. Integration tests demonstrate that although the components were individually satisfaction, as shown by successfully unit testing, the combination of components is correct and consistent. Integration testing is specifically aimed at exposing the problems that arise from the combination of components.

6.2.3 FUNCTIONAL TESTING

Functional tests provide systematic demonstrations that functions tested are available as specified by the business and technical requirements, system documentation, and user manuals.

Functional testing is centered on the following items:

Valid Input : identified classes of valid input must be accepted.

Invalid Input : identified classes of invalid input must be rejected.

Functions : identified functions must be exercised.

Output : identified classes of application outputs must be exercised.

.6.3 TEST CASES

6.3.1 UPLOADING IMAGES

✓ **Test Unit: Admin Component**

- **Adding User:**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If admin name is not entered	adminname	Admin name should not be empty.	SUCCESSFUL
2.	If admin name contains other than Character values	adminname	Admin name should contain only alphabets.	SUCCESSFUL
3.	If login id is not entered	loginid	Login ID should not be empty.	SUCCESSFUL
4.	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

- **Admin Change Password:**

Serial No.	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

- **Admin Login:**

Serial No.	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

Test Unit: Exam component:

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If course is not selected	course	Kindly select course.	SUCCESSFUL
2.	If subject is not selected	subject	Kindly select subject.	SUCCESSFUL
3.	If exam type is not selected	examtype	Kindly select exam type.	SUCCESSFUL

- **Faculty Change Password:**

Serial No.	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: Faculty Component**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If faculty name contains other than Character values	name	Name should contain only alphabets.	SUCCESSFUL
2.	If faculty code contains other than digits	facultycode	Only numeric values allowed.	SUCCESSFUL
3.	If password contains less than 8 characters	password	Password must contain at least 8 characters..	SUCCESSFUL
4.	If password and confirm password does not match	password, confirmpassword	Password and Confirm password are not matching.	SUCCESSFUL
5.	If contact number is less than 10 digits	contactno	Contact number must be more than 10 digits.	SUCCESSFUL
6.	If faculty image is not selected.	image	Kindly upload the image.	SUCCESSFUL
7.	If E-mail ID is invalid	emailid	Invalid E-mail ID.	SUCCESSFUL

✓ **Test Unit: Faculty login Component**

Serial No.	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

✓ **Test Unit: Feedback Component**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If feedback is not entered.	feedback	Feedback should not be empty.	SUCCESSFUL

✓ **Test Unit: Student Component**

- **Student Registration:**

Serial No.	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 roll number contains other than digits	rollno	Only numeric values allowed.	SUCCESSFUL
3.	If password contains less than 8 characters	password	Password must contain at least 8 characters..	SUCCESSFUL
4.	If password and confirm password does not match	password, confirmpassword	Password and Confirm password are not matching.	SUCCESSFUL
5.	If course is not selected	course	Kindly select your course.	SUCCESSFUL
6.	If semester is not selected.	semester	Kindly select your semester.	SUCCESSFUL
7.	If E-mail ID is invalid	emailid	Invalid E-mail ID.	SUCCESSFUL
8.	If address is not entered.	address	Kindly enter the address.	SUCCESSFUL
9.	If student image is not selected.	image	Kindly upload the image.	SUCCESSFUL

- **Student login:**

Serial No.	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 password contains less than 8 characters	password	Password must contain at least 8 characters..	SUCCESSFUL

Student Profile Update:

Serial No.	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 semester is not selected	semester	Kindly select your semester.	SUCCESSFUL
3.	If E-mail ID is invalid	emailid	Invalid E-mail ID.	SUCCESSFUL

- **Student Change Password:**

Serial No.	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: Subject component:

Serial No.	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 entered	subject	Kindly add Subject.	SUCCESSFUL
3.	If subject description is not entered	subject description	Subject description should not be empty.	SUCCESSFUL

Test Unit:Timetable

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If semester is not selected	semester	Kindly select semester.	SUCCESSFUL
2.	If course is not selected	coursetitle	Kindly select course.	SUCCESSFUL

Chapter 7

7. CONCLUSION

7. CONCLUSION & FUTURE SCOPE

7.1 PROJECT CONCLUSION

The project entitled as student solution e-learning platform is the system that deals with the issues related to a particular institution. This project is successfully implemented with all the features mentioned in system requirements specification. Awareness and right information about any college is essential for both the development of student as well as lecturer. So this serves the right purpose in achieving the desired requirements of both the communities.

.7.2 FUTURE SCOPE

- Current developing project is web based application in future we can ingrate this project with android and iphone based apps.
- We can add online video training feature in the future.
- Online examination module would be introduced to conduct online examination.
- Further, the faculty can upload the videos of their lectures on to this site and students who had missed those classes can view those videos.

Chapter 8

8. BIBLIOGRAPHY

8. BIBLIOGRAPHY

8.1 REFERENCES

[1] Learning PHP, MySQL, JavaScript and CSS: A Step-by- Step Guide to Creating Dynamic Websites by Robin Nixon.

[2]Software engineering by PankajJalote

8.2 WEBSITES

[1] www.w3schools.com

[2] www.tutorialspoint.com