STAY AT COLLEGE

Submitted in partial fulfillment of the requirements

of the degree of

Bachelor of Technology

In

Information Technology

By

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Dr. B. C. ROY ENGINEERING COLLEGE, DURGAPUR

CERTIFICATE OF APPROVAL

This project report entitled STAY AT COLLEGE by ARPITA, GAJANAND KUMAR, SMRITI GAUTAM is approved for the degree of Bachelor of Technology in Information Technology.

Examiners

_____

_____

Supervisor

_____

HOD

_____

Project coordinator

_____

(Report format verified)

Date: _____

Place: _____

DECLARATION

We declare that this written submission represents our ideas in our own words and where others' ideas or words have been included, we have adequately cited and referenced the original sources. We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Name and Signature of students

ARPITA (12000215008)

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Date: _____

ACKNOWLEDGEMENT

In performing our project, we had to take the help and guideline of some respected persons, who deserve our greatest gratitude. The completion of this assignment gives us much Pleasure. We would like to show our gratitude to our mentor Prof. PARAMITA MANNA for giving us a good guideline for Java throughout numerous consultations. We would also like to expand our deepest gratitude to all those who have directly and indirectly guided us in proceeding our project.

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By: -

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ABSTRACT

This web portal project is implemented in PHP. The main aim of this project is to implement a website for the students for sharing information between the teacher and the students. It is good source of interaction between the teacher and students.

For example, if a student has any doubt or want to ask any question, teachers will always be available to help.

This application will be useful for every student to get updated with the latest information. It is done in order to improve student's comprehension levels and earing motivations.

The STAY AT COLLEGE is a web application to find queries in an efficient manner and will get answers at the earliest. The main objectives of STAY AT COLLEGE is interactivities between students and teachers by asking questions and doing assignments without wasting of time. For students they give assignments according to the department for their convenience and time. This can be used in educational institutions.

Table of Content

List of Acronyms / Abbreviations

S. No.	Acronym	Full Form
1.	PHP	Hypertext Preprocessor
2.	CSS	Cascading Style Sheet
3.	XML	Extensive Markup Language
4.	OS	Operating System
5.	SQL	Structured Query Language
6.	SDLC	Software Development Life Cycle
7.	IDE	Integrated/Interactive Development Environment
8.	PC	Personal Computer
9.	UI	User Interface
10.	IP	Internet Protocol
11.	DFD	Data Flow Diagram
12.	App	Application System

1. Introduction

The STAY AT COLLEGE is an online portal between students and faculties. This innovative system allows college faculty to share important data as well as notifications with engineering students. It consists of a faculty login along with a student login. Faculties can upload documents of subject syllabus, timetable, notifications, e-notes, assignment etc. after they login. The documents are uploaded by faculty to different corresponding departments. We propose to build this system on an online server that allows faculty to upload data and students can view, search, download and upload required documents through their device. Faculty can access and upload or edit documents to any semester or add any notice as desired. The system is planned to consist of various useful features for the said purpose. The aims of this system is to create a platform for sharing assignments through emails to a particular student and chatting between both student and teacher.

2. Problem Statement

Nowadays, technology in general has transformed our larger society. It has become central to people's daily lives. As we can see that in almost every colleges everything is digitalized and paper work is being used less. Many times it happens that student misses some important notices and assignments due to some reasons. With the help of our proposed system student can easily clear their all doubts with the help of chat system and all the important notices will directly will available in this system. There is a definite need of a notice board system in every institutions. The STAY AT COLLEGE system is that kind of system.

3. Need

The main concept is to present the user with a single web page that brings together or aggregates from a number of other systems or servers. This electronic system. Application server or architecture perform most of the functions of the application. Almost all leading colleges or institutions except few are using these kinds of electronic system. Though some have taken the help of third-party websites to interact. Keeping this in mind we can say that institutes can find this system very useful. This portal is a web-based software that aims to aid the institutes by providing such a digital portal.

4. Aims and Objectives

- **4.1 Primary aim:**

The primary aim of online student teacher portal is to create a fully digital functional system which will handle each and every assigned task. With the help of the supplementary applications, teachers are able to upload notices, assignment and every important tasks and students have capability to download notices, assignment and other important tasks. Students can also submit their answers online and they will be able to text teachers to clear their doubts as well as each student will get their assignment individually through emails.

- **4.2 Objectives**:

To develop supplementary applications for the student teacher portal.

To create a user –friendly interface.

To develop and manage a proper database system to ensure data safety and proper management.

To allocate various levels of users and have proper authentication.

To prepare proper and detailed system documentation.

5. Preliminary Requirement Estimate

- Programming Language and scripts
- Web Application: PHP, HTML, CSS and JavaScript
- Operating System-windows 10
- Database-MySQL

6. Suggested Deliveries

- A Web-based online student teacher portal i.e. STAY AT COLLEGE
- Proper system documentation

7. Process Model

The incremental model has been deemed the best suited for the SDLC process and shall be followed. When the cost of change is not too high, Agile can be used. Some of the major characteristics of Agile are that team members are self –empowered and communication regularly without expensive documentation. If the team agrees that there is a better way to do that project, they move right ahead with the new approach. The project scope can be discovered as the project moves forward.

8. Visibility Plan

1. All the group members will be in contact timely and will focus on one area at a time as all are beginners.
2. The phases will be followed sequentially with equal contribution of group members in each phase.
3. The group members will be in contact through regular meetings and social.

9. Feasibility Analysis

This System is feasible because of the following reasons:

9.1 Economic Feasibility:

This System is economic from every point of view. It is cost effective as use of paper has been eliminated. It is time effective since evaluation of chatting and file sharing is done in less amount of time with minimal errors.

9.2 Technical Feasibility:

This software is technically feasible since there are no extra hardware requirements. The only requirement is an android smartphone or personal computer.

9.3 Behavioral Feasibility:

This software is very simple to use. The user does not need any special training to use this software. The software has been designed keeping the user's point of view.

10. Background Risk

In today's era, everything is digitalized and paper is being used less day by day. The main aim of this project is each and every student will get information's about notices and assignments timely. The online Student Teacher Portal is mainly intended for colleges and institutions where information and file sharing on regular basis plays vital role in the performance. The proposed system which will make use of the modern communication, methodologies and techniques for information flow. The system is planned to consist of various useful features for the said purpose. The "STAY AT COLLEGE" is a web-based software, with supplementary application software, that aims to aid the institutes by providing such digitalized system.

11. Literature Review

Almost all leading institutions, excepting a few, currently lack an online system. Though some have taken the aid of third-party websites like Facebook to interact, it comes at the cost of mixing one's social life with professionals. Keeping this in mind, educational institutes will find this software extremely useful. There are dedicated file hosting sites and clouds used by some institutions, but there is a definite need for a dedicated online student teacher portal system. The proposed system is such a system.

12. Application Area

The proposed system is mainly intended to be applied in educational institutes as an online portal and file sharing system. Further applications of this system may include any type of office or business organizations where computers with working internet connection is available.

13. System Features

13.1 File Sharing Description:

This system will allow both users to share files or documents. These files may range from simple text or image files of other formats. The pre-loaded documents or files could be accessed without an internet connection.

13.2 Stimulation Response Sequence:

Documents can be downloaded by clicking a single download button which triggers the download event. Any file to be uploaded can be browsed and then uploaded using another button.

13.3 Functional Requirement:

REQ-1: Access to the internet
REQ-2: Devices with browser
REQ-3: Required user authentication

14.Requirement Analysis

14.1 Major Functional Requirements:

This system should meet the following functional requirements:

- The system should be able to manage and store documents and files.
- The system should provide appropriate UI for documents or file upload and download.
- The system should be able to recognize and authenticate every user.
- The system should be able to manage and maintain a proper database.
- The system should be easily operable and user friendly.
- The apps should be able to work with the web server.

14.2 External Interface Requirements:

14.2.1 User Interfaces:

The system will start with a home page and then login page is used to identify the user and all the features will be available accordingly. The application of this system has easily accessible button for all major activities of the online portal. Key features and recent events will be highlighted to attract user attention.

14.2.2 Hardware Interfaces:

This system will interact with the hardware resources of the system on which it is running. While any system will support the core software, a device with push messaging facility is recommended for Windows.

14.2.3 Software Interfaces:

Many browsers will run this system applications. It will have the most interaction with an external database server. It may also be integrated with other systems like teacher and student management.

14.2.4 Communication Interfaces:

An internet network connection will be required for the functioning of this system. In case of the mobile apps, an internet connection will then allow the software to connect to online database. The system will use the Hyper Text Transfer Protocol (HTTP) to transmit data.

14.3 Other Non-Functional Requirements:

14.3.1 Performance Requirements:

This system or online portal does not require any kind of basic operations, but the complete software with all its applications running may have some basic performance requirements. Except viewing pre-loaded notices, assignments and other files, an internet connection is needed for the features of the system to become available.

14.3.2 Safety Requirements:

Major attention should be given to the safety and security of the data and information that are stored in the software. The database must be trust worthy and non-leakage to ensure no data loss occurs.

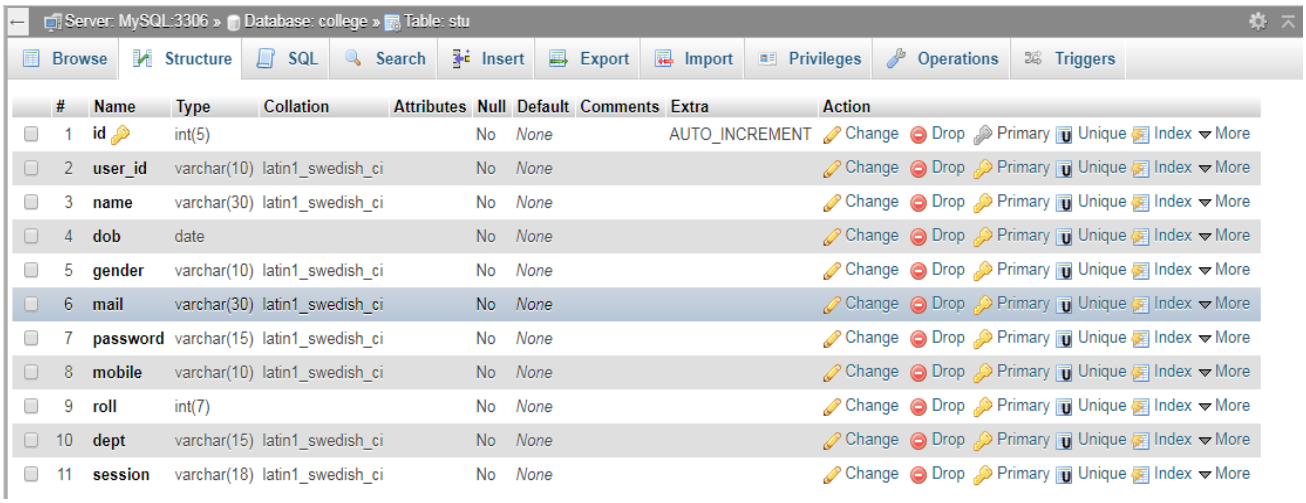
14.3.3 Security Requirements:

User authentication must be absolute and non-by-passable. No user should be able to access the software without providing proper authentication. In case of guest users, only public notices should be visible. Also, the IP address of the client machine can be recorded for future follow up of any security issues that may arise.

14.3.4 Software Quality Attributes:

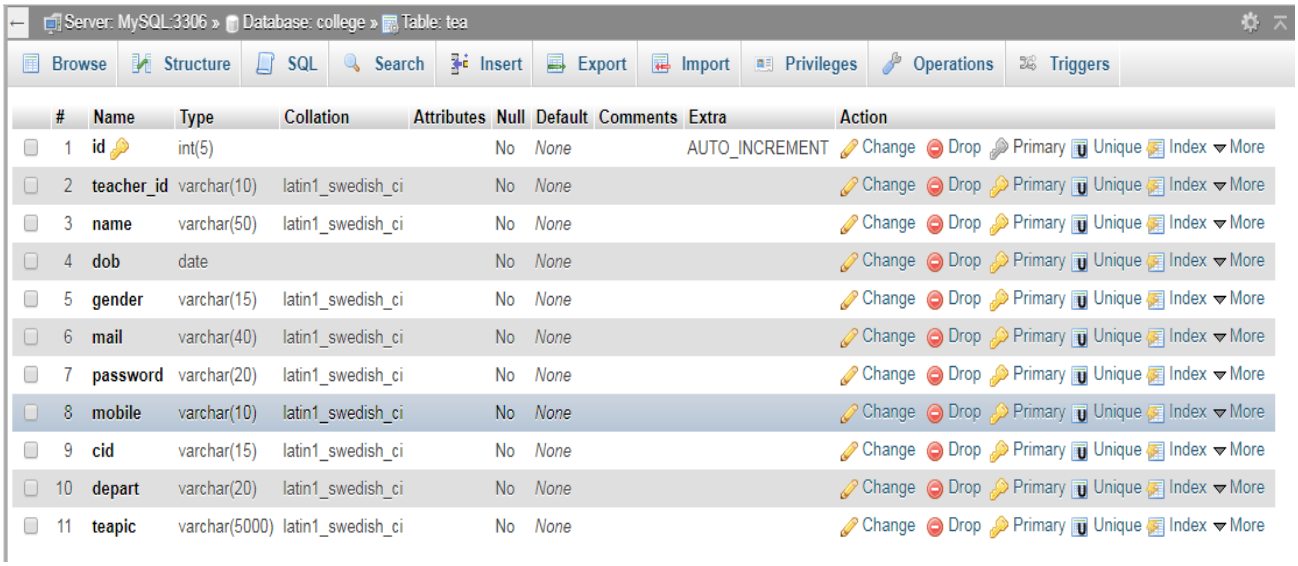
Several additional qualities and characteristics of the system will be important to the client and/or the developers, like correctness, maintainability, portability, testability and usability. For correctness, proper care and attention should be given during the design and coding from both developers and customers side. Usability is achieved by developing the product as user friendly as possible. Similarly, maintainability and testability play vital role in the long life of the software.

15.System Modelling



#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(5)			No	None		AUTO_INCREMENT	Change Drop Primary Unique Index More
2	user_id	varchar(10)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More
3	name	varchar(30)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More
4	dob	date			No	None			Change Drop Primary Unique Index More
5	gender	varchar(10)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More
6	mail	varchar(30)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More
7	password	varchar(15)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More
8	mobile	varchar(10)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More
9	roll	int(7)			No	None			Change Drop Primary Unique Index More
10	dept	varchar(15)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More
11	session	varchar(18)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More

Fig1: Table Student



#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(5)			No	None		AUTO_INCREMENT	Change Drop Primary Unique Index More
2	teacher_id	varchar(10)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More
3	name	varchar(50)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More
4	dob	date			No	None			Change Drop Primary Unique Index More
5	gender	varchar(15)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More
6	mail	varchar(40)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More
7	password	varchar(20)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More
8	mobile	varchar(10)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More
9	cid	varchar(15)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More
10	depart	varchar(20)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More
11	teapic	varchar(5000)	latin1_swedish_ci		No	None			Change Drop Primary Unique Index More

Fig2: Table Teacher

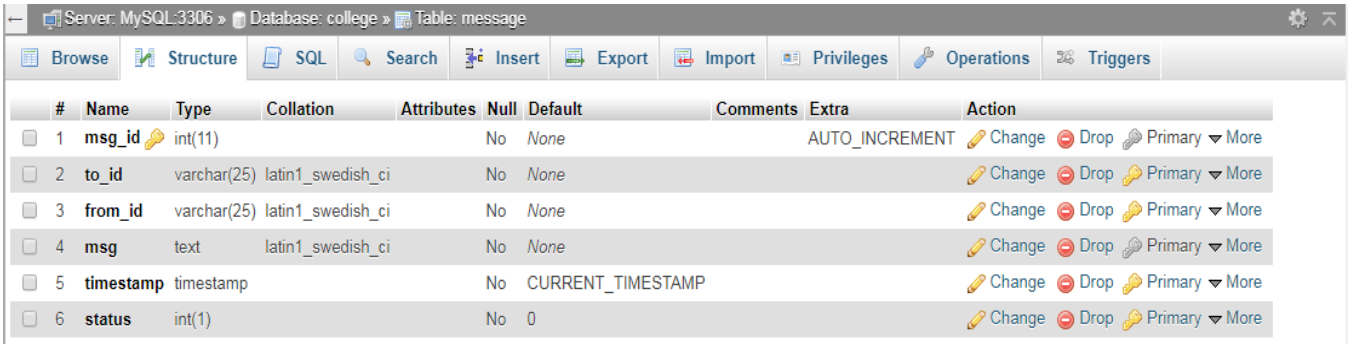


Fig3: Table Message

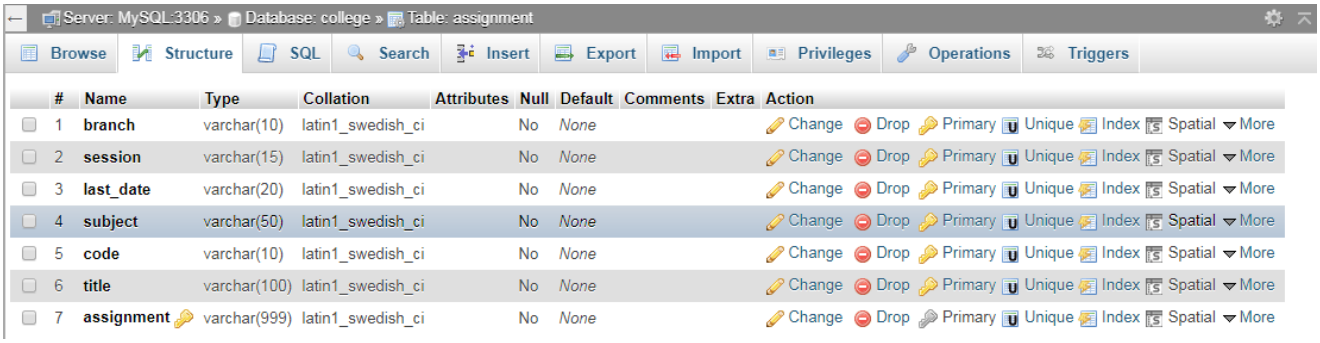


Fig4: Table Assignment

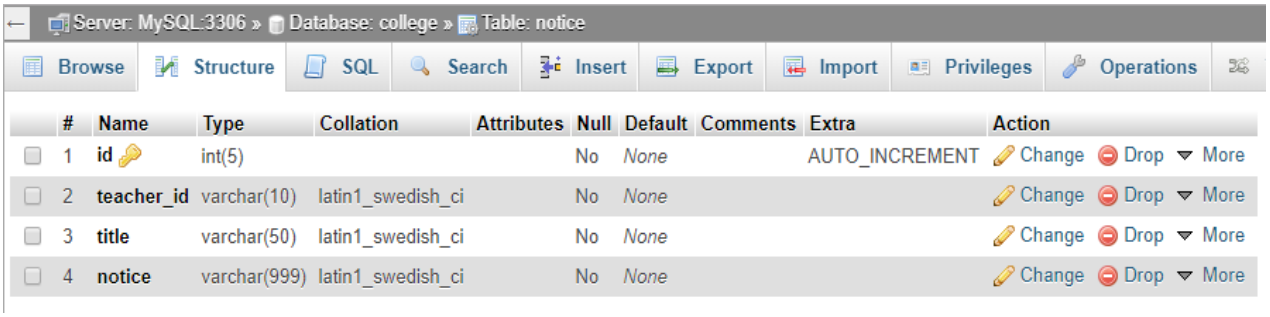
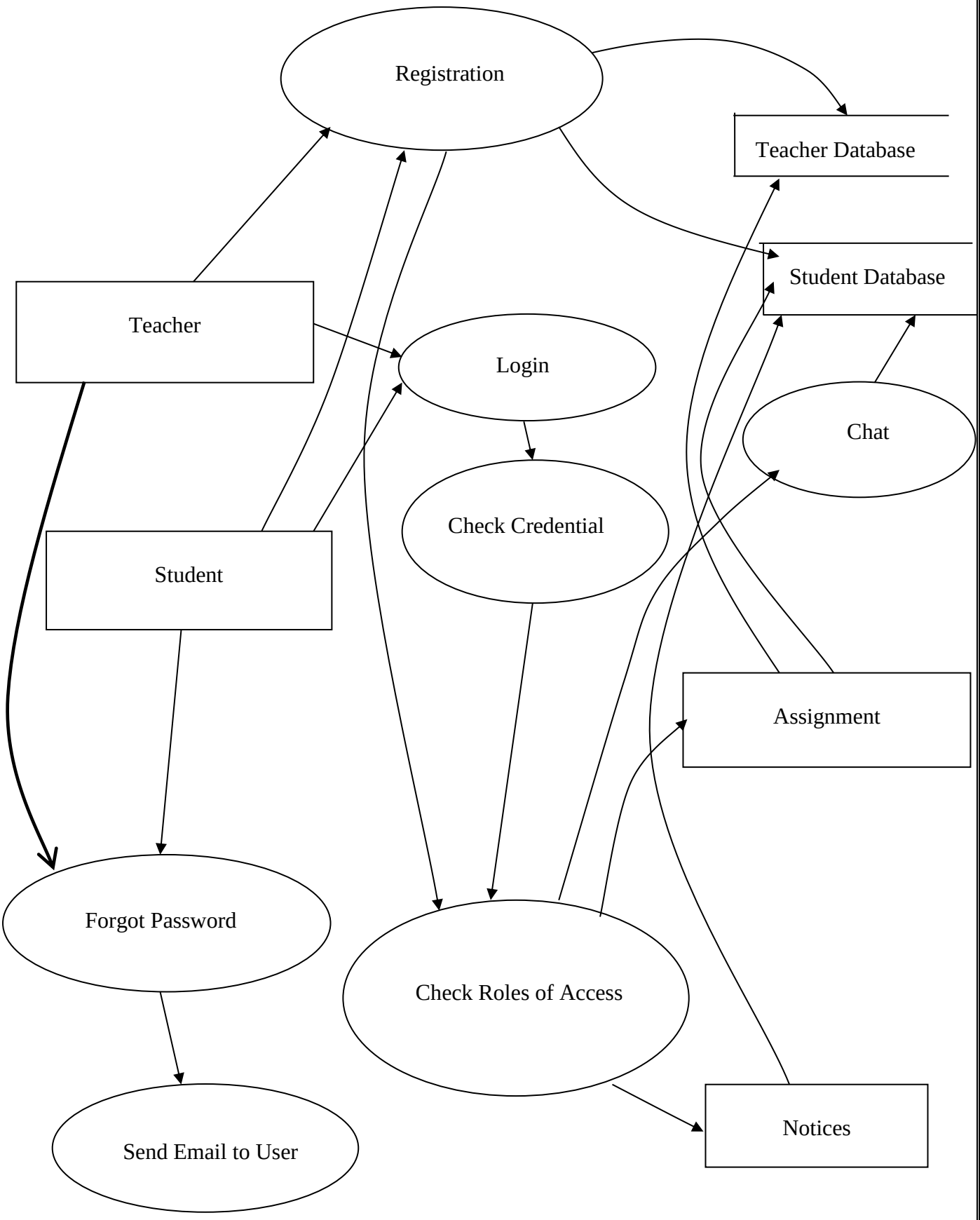


Fig5: Table Notice

DFD


Registration
Teacher Database
Student Database
Teacher
Login
Chat
Check Credential
Student
Assignment
Forgot Password
Check Roles of Access
Send Email to User
Notices

16. Future Scope

In future our project can be further enhanced by providing our teachers and students to upload as well as download notices, assignments and other important documents. The most important thing of this project is that each student will get their assignments through email. Students have opportunities to chat with their departmental teacher to clear doubts.

Departments are categorized in different categories, so that it’s possible for user to easily use the system.

The attachments can be further improved to include PDF files. A single file would serve all the purposes.

Feedback on the documents can also be taken. It can increase communication among connected members and any issues can be easily sorted out on the spot.

17. Start-up

Start-up of our project stay at college can be done by adding different type of features. This system already contains chatting between teacher and student, sharing notices, assignments and other important files. These files can be shared publicly as well as personally through email. Applications that can be used for start-up of this project are as follow: -

- Various colleges- In future, we can add various colleges so that it can be easy for every teacher and student to share different files and clear doubts at the earliest.
- Notes sharing-This application will be very beneficial for students to get notes of every subject timely in proper manner.
- Test panel-A new feature named Test Panel could be added to this system making it more useful for both the students and teachers. This feature will allow the students to give various tests online. This will help the students to test their knowledge and help the teacher to keep a track of the students' progress.
- Study material-This system can add one more application that is study material. This application will help students of each and every department to know about their subjects. Teachers of every departments will add study material from different subjects which will be useful for students.

18. Conclusion

It has been a matter of immense pleasure, honor and challenge to have this opportunity to take up this project and complete it successfully. While developing this project we have learnt a lot about student teacher online portal, we have also learnt how to make it user friendly (easy to use and handle) by hiding the complicated parts of it from the users. This Project STAY AT COLLEGE facilitate in maintaining and providing the proper evaluation. It saves time as it allows number of students to know important notices and assignment as per their requirement. It is automatically generated by the server. Faculties as well as students can register, login and clear their doubts. Teachers Can share important notices, assignment and other files publicly or through emails.

19. Codes

Login:

```
<div class="modal fade" id="myModal2" tabindex="-1" role="dialog">
   <div class="modal-dialog">
      <!-- Modal content-->
      <div class="modal-content">
         <div class="modal-header">
            <button type="button" class="close" data-dismiss="modal">&times;</button>

            <div class="signin-form profile ">

               <div class="login-m_page_img">

                  <img src="images/model.jpg" alt=" " class="img-responsive" />

               </div>
               <div class="login-m_page">
                  <h3 class="sign">Sign In</h3>
                  <div class="login-form-wthree-agile">
                     <form  method="POST">
                        <input type="email" name="email" id="email" placeholder="E-mail"
required="">
                        <input type="password" name="password" id="password"
placeholder="Password" required="">
                        <select class="category2" required="" name="role">
                           <option value="student" selected="">Student</option>
                           <option value="teacher">Teacher</option>

                        </select>
                        <div class="tp">
                           <input type="submit" name="Submit" id="Submit" value="Sign In">
                        </div>
                     </form>
                  </div>
                  <div class="login-social-grids">
                     <ul>
                        <li><a href="#"><i class="fa fa-facebook"></i></a></li>
                        <li><a href="#"><i class="fa fa-twitter"></i></a></li>
                        <li><a href="#"><i class="fa fa-rss"></i></a></li>
                     </ul>
                  </div>
                  <p><a href="join.php" > Don't have an account?</a></p>
               </div>
               <div class="clearfix"></div>
```

```
            </div>
          </div>
        </div>
    </div>
</div>
```

Notice:

```
<?php
      include_once 'head/othnav.php';
      include_once 'head/signmodal.php';
      ?>
      <!--//inner_banner-->
      <!--/short-->
      <div class="services-breadcrumb-w3ls-agile">
        <div class="inner_breadcrumb">

          <ul class="short">
            <li><a href="index.php">Home</a><span>|</span></li>
            <li>Notice</li>
          </ul>
        </div>
      </div>

      <div class="container" style="height: 350px">
        <div class="row">
          <?php
          $qry=" select * from notice";
          $res= mysqli_query($cont, $qry);
          if(mysqli_affected_rows($cont))
          {
            while ($row = mysqli_fetch_assoc($res)) {
              echo "<div style='background-color: lightgray;width:100%'><hr><h4><a
class='about-sub-gd ' href='down_notice.php?fileName=" . $row['notice'] .'">".$row['title']."
<span class='blinking'>  new</span></a></h4><hr></div>";
            }
          }
          else{
            $msg="";
          }
          //<h4>Create your snippet's HTML, CSS and Javascript in the editor tabs</h4>
            ?>
        </div>
      </div>
```

```
<!--footer -->
<?php include_once 'head/footer.php'; ?>
<!--/footer -->
```

Teacher join:

```
<?php include_once 'head/othnav.php';
        include_once 'head/signmodal.php';
    ?>
      <!--//inner_banner-->
      <!--/short-->
      <div class="services-breadcrumb-w3ls-agile">
            <div class="inner_breadcrumb">

                  <ul class="short">
                        <li><a href="index.php">Home</a><span>|</span></li>
                        <li>Join now</li>
                  </ul>
            </div>
      </div>
      <!--//short-->

      <!-- Modal1 -->
       <?php include_once 'head/othnav.php';
        include_once 'head/signmodal.php';
    ?>
      <!-- //Modal2 -->

      <!--//Header-->
      <!--/inner_connectent-->
      <div class="banner_bottom">
            <div class="container">
                  <h3 class="headerw3">Join now</h3>
                  <div class="inner_sec_w3_agileinfo">
                <div class="register-form" style="width: 76%">
                  <form  method="POST" enctype="multipart/form-data">
                      <div class="row">
                        <div class="col-sm-7">
                                    <div class="fields-grid">
                                          <div class="styled-input">
                                                <input type="text"
placeholder="Your Name" name="txt_name" required="">
                                          </div>
```

```
                                        <div class="styled-input">
                                    <input placeholder="Birth Date"  style="width:
100%;margin-bottom: 15px" name="dob" type="text" value="" onfocus="(this.type='date')"
onblur="(this.type='text')" required="">
                                        </div>
                                        <div class=" agile-styled-input-top">
                                    <select class="category2" required="" name="gender">
                                        <option value="" hidden="">Gender</option>

        <option value="female">Female</option>

        <option value="male">Male</option>

        <option value="other">Other</option>
                                                                        </select>
                                        </div>
                                        <div class="styled-input">
                                                <input type="email"
placeholder="Your E-mail" name="email" required="">
                                        </div>
                                    <div class="styled-input">
                                      <input type="password" placeholder="Password"
name="pass" required="">
                                        </div>
                                        <div class="styled-input">
                                                <input type="text"
placeholder="Phone Number" name="mobile" required="">
                                        </div>
                                    <div class="styled-input">
                                                <input type="text"
placeholder="ID NO" name="idno" required="">
                                        </div>
                                        <div class="styled-input agile-styled-
input-top">
                                    <select class="category2" required="" name="branch">
                                        <option value="" hidden="">Select
Branch</option>

        <option value="IT">IT</option>

        <option value="CSE">CSE </option>

        <option value="ME">ME</option>

        <option value="ECE">ECE </option>
```

```
        <option value="AEIE">AEIE </option>

        <option value="EE">EE </option>

        <option value="CE">CE</option>
                                                                    </select>

                                                    </div>


                                                    <div class="clearfix"> </div>
                                    </div>
                                    <input type="submit" name="teajoin_submit"
value="Submit"><?php echo $msg;echo $msg1;echo $msg2; ?>
                                </div>
                                <div class="col-sm-5">
                                    <div>
                                        <center><h4 class="headerw3">upload your
picture</h4></center>
                                        <br>

                                        <input class="btn" type="file" name="myfile"/>
                                    </div>
                                    <br>



                                </div>
                            </div>
                        </form>
                                </div>
                        </div>
                </div>
        </div>
        <!--//inner_connectent-->
        <!--footer-->
        <?php include_once 'head/footer.php'; ?>
        <!--/footer -->
```

20. Screenshots:

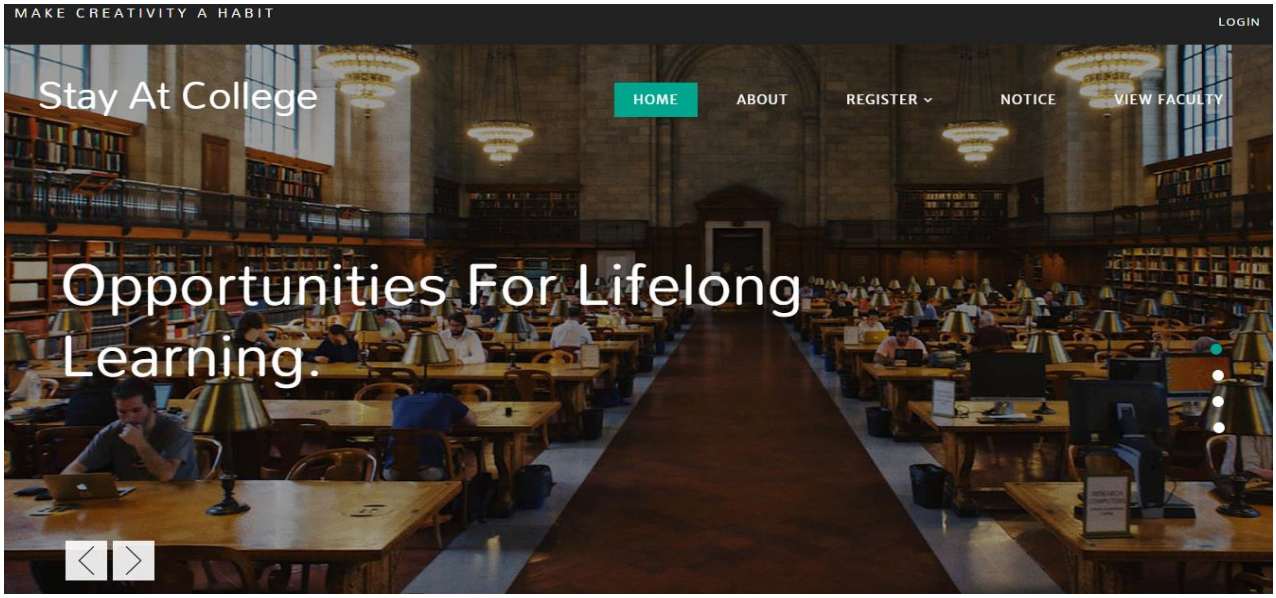


Fig 6: Home Page

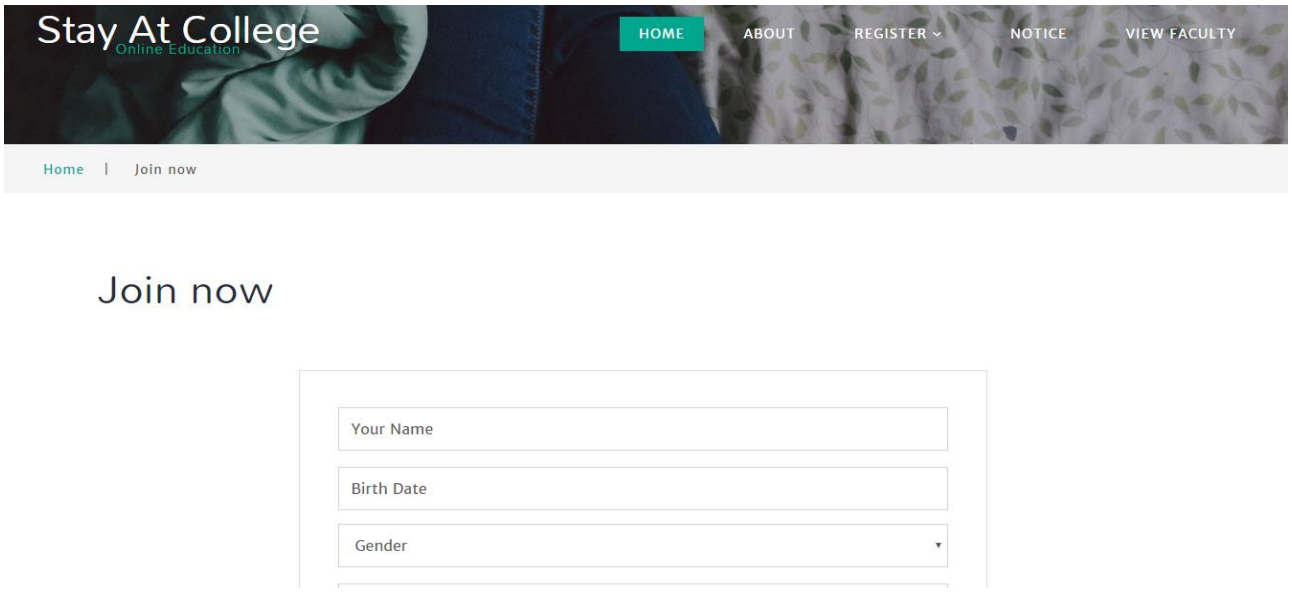


Fig7: Join Page

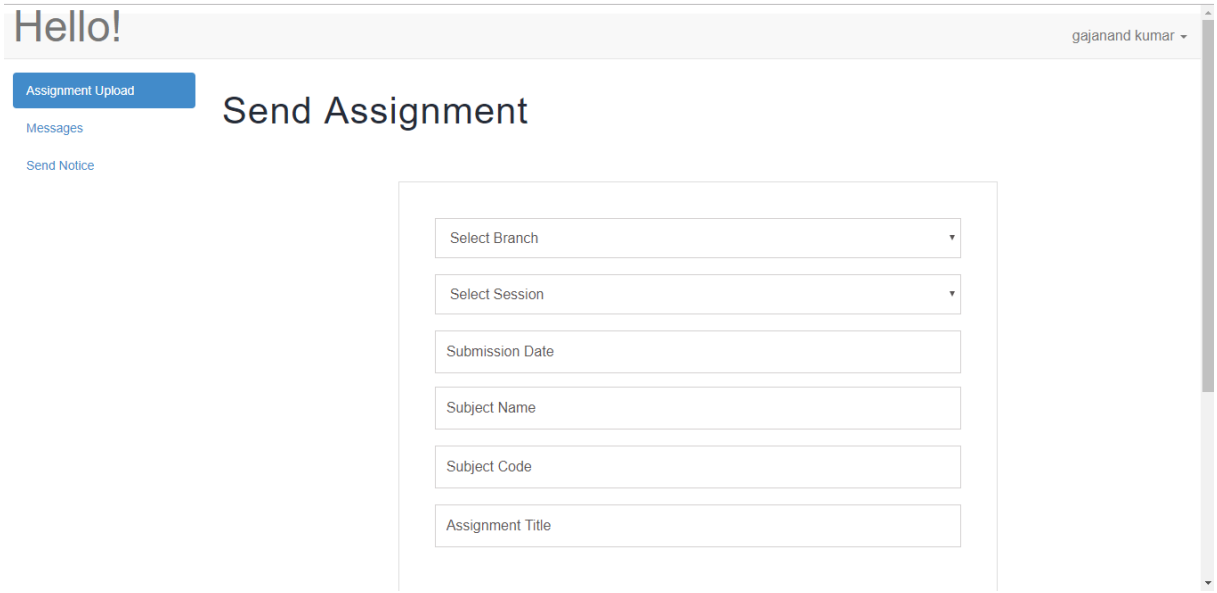


Fig 8: Send Assignment Page

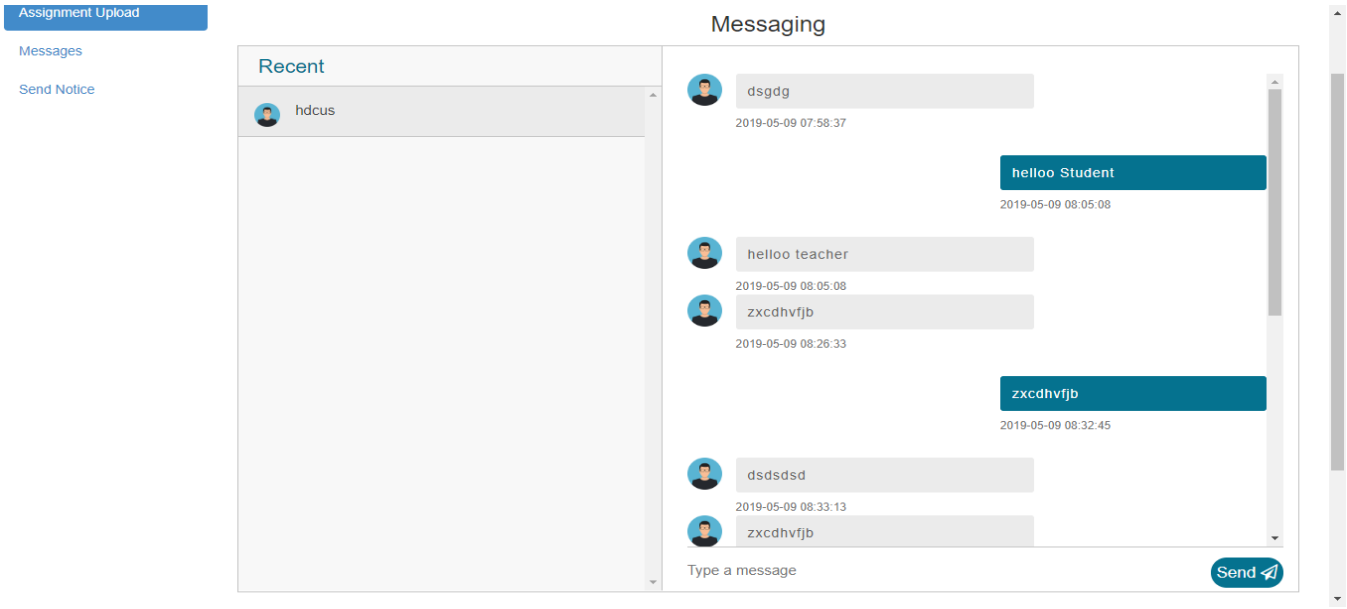


Fig 9: Message Page

21. References

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- https://stackoverflow.com/
- https://www.youtube.com/
- https://www.tutorialspoint.com/
- https://codepen.io/
- https://github.com/
- https://bootsnipp.com/

22. Graduate Attributes

Engineering Graduates will be able to:

1. **Engineering Knowledge:**

   Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. **Problem Analysis:**

   Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using fist principles of mathematics, natural sciences, and engineering sciences.

3. **Design/development of solutions:**

   Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and the cultural, societal, and environmental considerations.

4. **Conduct investigations of complex problems:**

   Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. **Modern tool usage**:

   Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modelling to complex engineering activities, with an understanding of the limitations.

6. **The engineer and society:**

   Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. **Environment and sustainability:**

   Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. **Ethics**:

   Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work:

Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication:

Communicate effectively on complex engineering activities with the engineering community and with t h e society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance:

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning:

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.