

Design and Development of Student Study Materials Repository System

BY

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This Report Presented in Partial Fulfillment of the Requirements for
the Degree of Bachelor of Science in Computer Science & Engineering

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APPROVAL

This Project titled “**Design and Development of Student Study Materials Repository System**”, submitted by Md. Risul Islam Robin, ID No: 152-15-5897 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 05 December, 2019.

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I hereby declare that, this project has been done by us under the supervision of **Shah Md Tanvir Siddiquee, Assistant Professor, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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Finally, I must acknowledge with due respect the constant support and patients of my parents.

ABSTRACT

“Design and Development of Student Study Materials Repository System” is a web based online archive system for the students of DIU. This is a collaborative platform for Students and Teachers. In this platform the students of Daffodil International University will get every kind of help related to their courses of each semester throughout the whole BSc phase. They will be provided with all the necessary supplements such as important Videos, Slides, Previous semester question and other helpful things. A real time commenting section is also provided here so that the students can comment about their experience about the experience or suggestion for any kind of improvement. The teachers and students both can contribute in this system by providing their valuable Notes or other helping supplements. The admin will be able to track down the progress of the whole system in real time. This website will assist our students in a very effective way. It will help them to find a proper guideline for all of the courses. Which will finally lead them to do magnificent better results.

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CHAPTER 1

INTRODUCTION

1.1 INTRODUCTION

The purpose of this system is to serve the students of CSE department in DIU. Before exam they need to search different websites for different course materials. This system will help them to get all the furnished and qualityful information from the same place. They will also get the solution of previous semester questions which will be game changer for them.

1.2 MOTIVATION

Our Motivation is US. Each time an incredible segment of our understudies of various segment discover extraordinary trouble to Choose or get proper Supplements, for example, recordings, slides, books, Solutions of various themes of every course. They truly get befuddled particularly in the day preceding Exams. DIU Student Guide will fill in as an E-Guide for the understudies where they can get every one of the instruments required for a specific course. They not exclusively can get they additionally can contribute in this chronicle framework by transferring their Hand notes or Suggestions.

1.3 OBJECTIVE

The guideline objective of course of this site is to give equipped and Quality full examination materials to the understudies which will help them in a feasible way. Directly the understudies need to look major materials for particular subjects in different locales for each course. This is dull. Using our structure, they can get all essentials of each course together. This stage serves the understudies with authentic improvements.

1.4 EXPECTED OUTCOME

They can set themselves up fittingly for tests. Using of this system will help them with sparing a heaps of time. Understudy whose cooperation rate is so poor also can take same

kind of preparation like the common standard understudies. They can in like manner talk with each other by our dynamic comment zone. They can moreover give us recommendations with the objective that we can develop our system in an uncommonly authentic way.

1.5 SEARCHING REPORT LAYOUT

Report is one of the essential asset of this assignment. A report without mix-up foreseen. A report must be immaculate, significant and suitable. Report organization of our endeavor is clear and dynamically positive. By scrutinizing our whole report an understudy can use all of the features of our system effectively.

CHAPTER 2

BACKGROUND

2.1 INTRODUCTION

In this area we will discuss basically all the central tasks that we will going to need to take in thought before moving nearer ahead. Getting incredible and qualityful instruments for all of the courses of CSE office has reliably been so going after for our understudies. However, in the present there is no arrangement of this lack. That is what has enlivened us to make a walk for reducing this issue. Here we have to rapidly look at practically all related works.

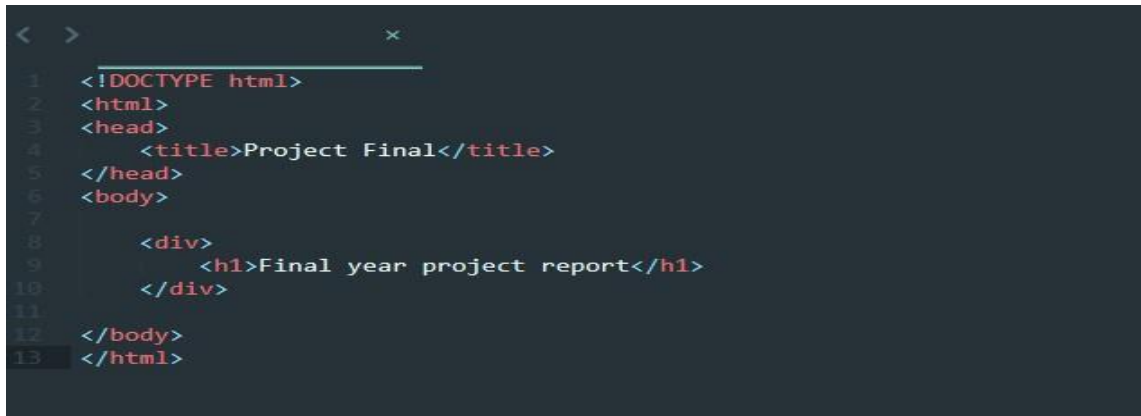
2.2 RELATED WORK

The viewpoint and functionalities of an undertaking rely upon the innovation that is utilized to make the task. As DIU Student Guide is an electronic undertaking, so we expected to think about into the field of web advancements to choose which innovations ought to be utilized to make this venture. The innovations that we utilized in this undertaking are depicted quickly beneath

2.2.HTML

HTML means "Hypertext Markup Language". HTML is the language which is endlessly used to make the structure of site pages. Hyperlinks are referred by "Hypertext "that a HTML page may contain. "Markup language" alludes to the manner in which labels are utilized to characterize the page design and components inside the page. There are such a large number of labels utilized in HTML. Labels are a type of words that stay inside <angle-brackets>. The model code underneath will show us the syntax of HTML which is characterizing a website page with a title and containing a solitary section.

Code example:

A screenshot of a code editor window titled 'x'. The editor contains the following HTML code:

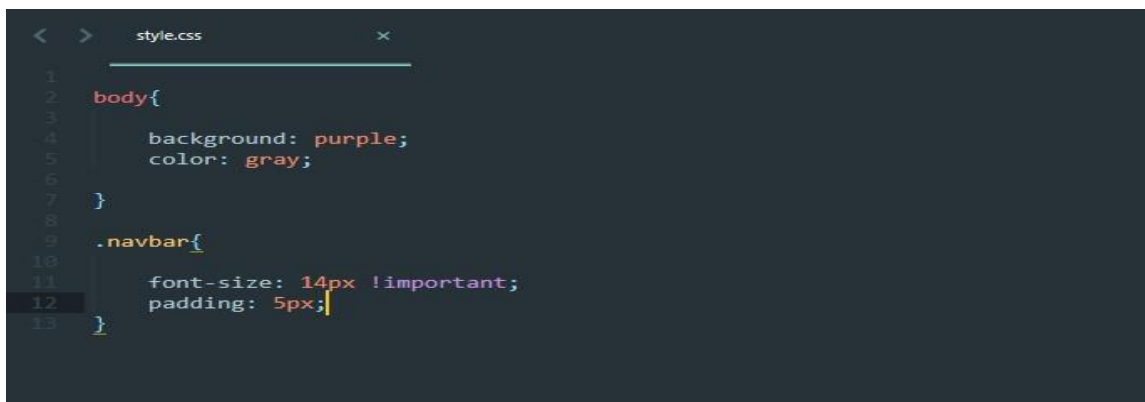
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Project Final</title>
5 </head>
6 <body>
7
8   <div>
9     <h1>Final year project report</h1>
10  </div>
11
12 </body>
13 </html>
```

Figure. 2.1 HTML code

2.2.2 CSS

Means "Falling Style Sheet." Cascading templates are utilized to arrange the format of Web pages. We can investigate this structure. It's basic yet rich. Behind the scene to make a HTML structure to resemble this we have utilized CSS. While CSS is incredible for making styles in content, it is useful for organizing different parts of Web page design also. CSS gives web engineers deals with the vibes of website pages given by CSS then HTML. This is the reason CSS is incomprehensibly popular and utilized.

CSS code:

A screenshot of a code editor window titled 'style.css'. The editor contains the following CSS code:

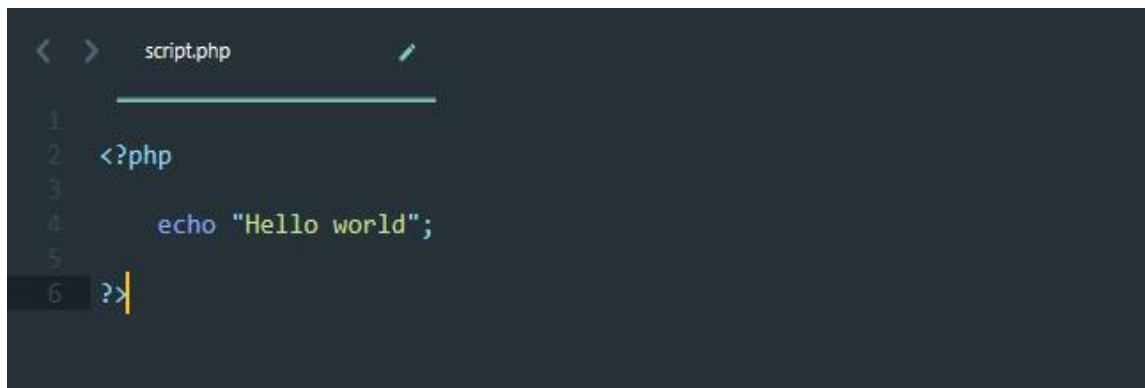
```
1
2 body{
3
4   background: purple;
5   color: gray;
6
7 }
8
9 .navbar{
10
11   font-size: 14px !important;
12   padding: 5px;
13 }
```

Figure. 2.2 CSS code

2.2.3 PHP

PHP means "Hypertext Preprocessor." PHP code can be embedded into the HTML of a Web page. At the point when a PHP page is gotten to, the PHP code is perused or by the server the page lives on. The yield from the PHP capacities on the page are ordinarily returned as HTML code, which can be perused by the program. We have utilized PHP as the server sided language in our venture.

PHP code example:



```
<?php
echo "Hello world";
?>
```

Figure. 2.3 PHP code

2.2.4 JavaScript

JavaScript (JS) is one of the scripting dialects. It is basically utilized on the Websites. JavaScript shouldn't be gathered on the grounds that it is a translated language. JavaScript is a customer side scripting language. It implies that the source code is handled by the customer's internet browser. This implies JavaScript capacities can keep running without speaking with the server after a website page has stacked.

2.2.5 JQuery

JQuery is a library of JavaScript that permits web engineers to outfit their sites with additional usefulness and highlights.

- It improves the muddled things from JavaScript
- Effects and movements.
- Ajax.
- DOM component decisions capacities.

2.2.5 MySQL

MySQL is one of the world's most mainstream open source database the executives framework. It can convey dependable, superior and versatile database applications. There are a few database servers, MySQL is one of them. It is fit for both little and bigger applications. It is free and supports SQL on a few stages. We have utilized MySQL with PHP to make our framework dynamic.

2.3 COMPARATIVE STUDY

There exists a great deal of E-Guide in the web for a similar issue with which we are managing. In any case, they are not so compelling. They appear to be excessively static and inadequately overseen by the specialists. Their User Interface is likewise not cordial enough. They are loaded with bugs, tedious and needs additional endeavors, they are not efficient. In our framework we have planned the entire framework in a powerful manner. Our UI is so easy to use and powerful that anybody can utilize it. Users don't have to give pointless exertion to get their yield. Here clients can keep their past track of exercises spared and they will be kept refreshed if any new enhancements show up.

2.4 SCOPE OF THE PROBLEM

At the hour of building and structuring the framework we discovered a few mistakes which were extremely basic to unravel and the likelihood of blunder is an incredible worry of us. Error free framework is very significant of every one of the clients. Making a powerful database which can be utilized for keeping up all the enlistment, login procedures and to monitor all the continuous exercises going on in the ongoing. At that point we need to hold appropriate eyes to the database plan so it will assist the clients with keeping their past exercises record. Client commitments is another worry of our venture. Both the instructor and the understudy can contribute in our system. Dealing with this commitment consistently is another test. We have a list of scope of problems.

1. Disappointment in the database
2. Mistake while enrolling and signing in.
3. Disappointment in the structure
4. Unable to adapt to the broad traffic
5. Error in sparing movement status

2.5 CHALLENGES

As all advancement type undertakings need to confront tremendous difficulties. Likely others we have additionally confronted difficulties. Some of difficulties are normal for all improvement of ventures. Structuring a compelling Database is the primary test. Without it the center establishment of the venture will crash. Keeping up the nature of the enhancements and giving them to the understudies. Since giving flawed apparatuses can make huge whine and disarray among the understudies. It can hamper their outcomes. At that point keeping up the dynamic remark area is additionally an extreme assignment. Any kind of unseemly remark isn't permitted in the framework.

CHAPTER 3

REQUIREMENTS AND SPECIFICATION

3.1 BUSINESS MODEL OF PROCESS

Model of process gives a visual description of how the full system works in a Harmony. The process is shown in the following figure.

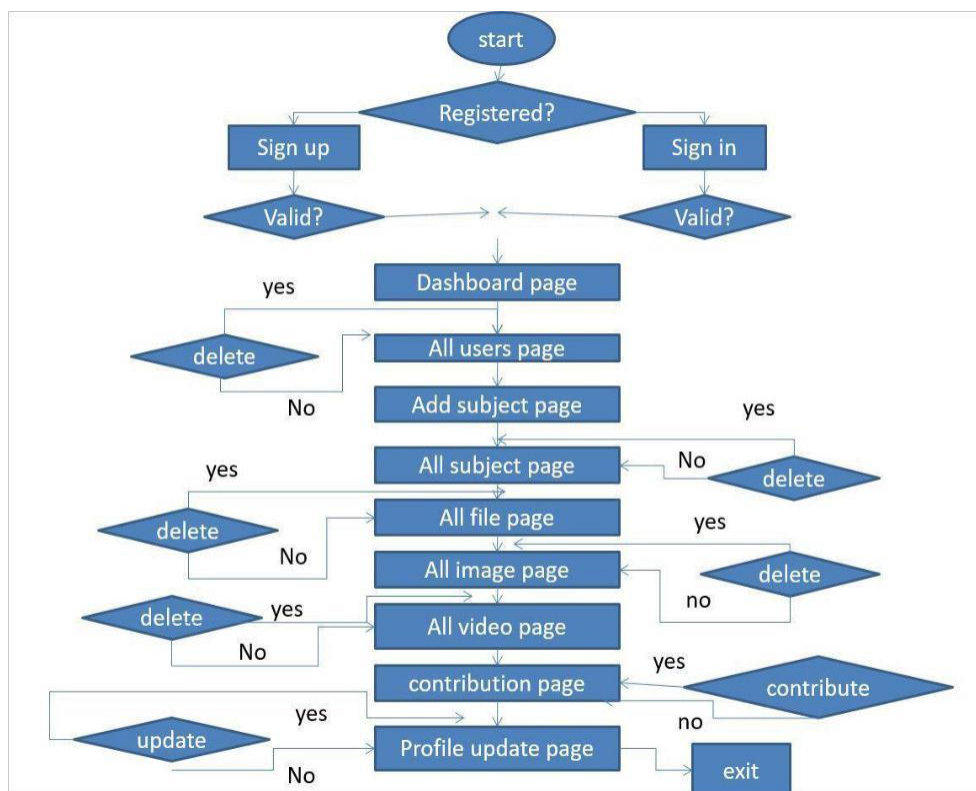
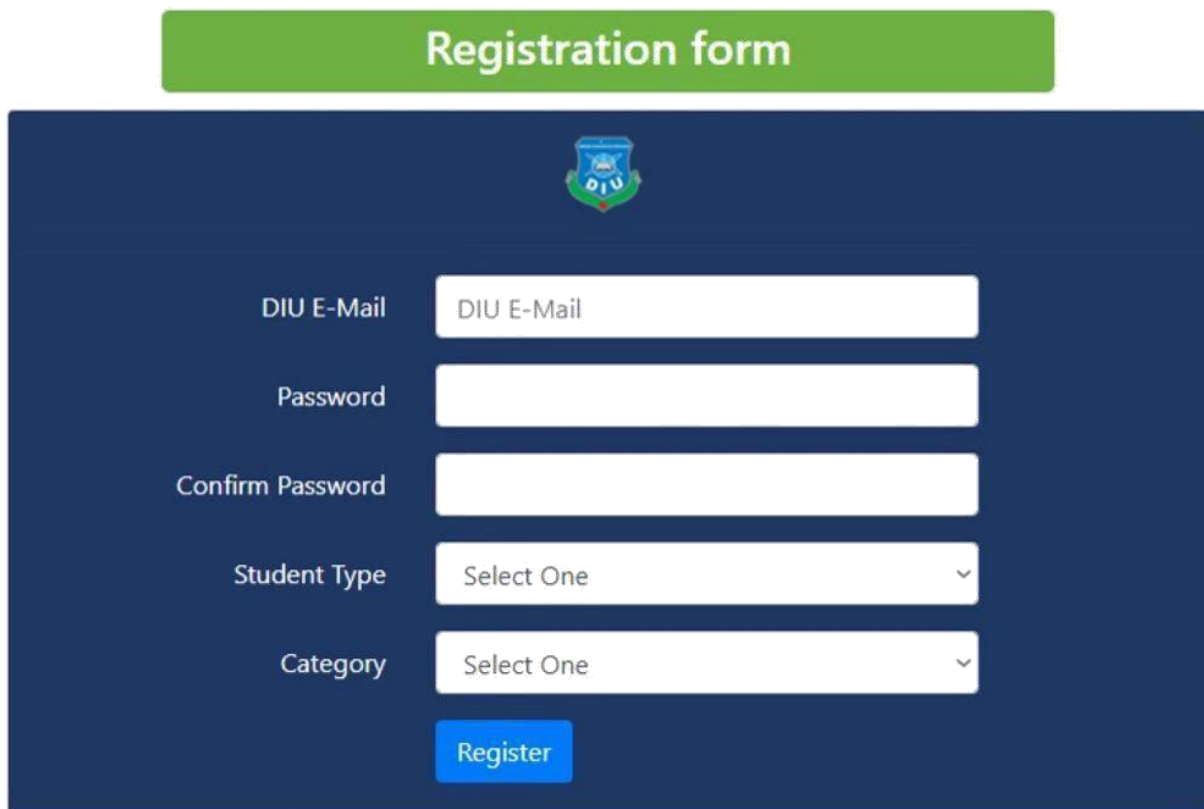


Figure. 3.1 Diagram of business process model

3.2 REQUIREMENT COLLECTION AND ANALYSIS

The framework depends on giving information. To gather the information accessible to different understudies and offer it with the other users.to make a record the client needn't bother with a lot of data. They just should be in relationship of daffodil global University and their given email account. The site just needs the accompanying information for usage.

- A daffodil worldwide University gave account.
- Ensure in the event that they are an educator or an understudy.
- Ensure in the event that they have a place with the day branch or the night branch.
- Some essential learning to deal with a site.



The image shows a registration form titled "Registration form" in a green header. The form is set against a dark blue background and features the DIU logo at the top center. It includes five input fields: "DIU E-Mail", "Password", "Confirm Password", "Student Type", and "Category". The "Student Type" and "Category" fields are dropdown menus with "Select One" as the placeholder text. A blue "Register" button is positioned at the bottom of the form.

Figure. 3.2 Registration Form

Via this form (3.2), the following things will be added to the database.

TABLE 3.1: Database Content

Email	Password	Type	Category
fahamidur15-5122@diu.edu.com	1234fh	3	1
kamrul15-5879@diu.edu.bd	1578km	3	1
robin15-5897@diu.edu.bd	3448rb	3	2

Here ,TABLE 3.2: Defining Types

Type 1 = Admin Category of Admin = 0
Type 2 = Teacher Category of Teacher = 0
Type 3 = Student Category of Student = 1 & 2

Here , TABLE 3.3: Defining Categories

Category 0 = No Category
Category 1 = Day Student
Category 2 = Evening Student

Presently the principle motivation behind this site is to make study simple. To share the things an understudy, have with different understudies. For this reason, the commitment page is the most significant component of this site.

The screenshot shows a web application interface for a 'STUDENT GUIDE'. On the left is a dark sidebar with navigation links: Dashboard, All User, Subject Add, All Subject, All File, All Image, All Video, Contribution, and a Logout button. The main content area has two sections. The top section, titled 'File Upload', contains four dropdown menus labeled 'Semester', 'Subject', 'Student Type', and 'Q/ile', each with a 'Select One' option. Below these is an orange 'Upload' button. The bottom section, titled 'Video Upload', contains the same four dropdown menus, plus two more: 'Video Title' and 'Video', each with a 'Video Link' option. Below these is another orange 'Upload' button.

Figure. 3.3 Contribution Page

The following data will be added to the table via this form (3.3)

TABLE 3.4: Types of Content

Subject	Semester	Student_Type	Image	File	Video_Title	Video
10	235	1	img.png/.jpg	file.pdf/.docs/.pptx	Confusion Matrix	Video Link from Youtube

- Each Subject has it's own integer ID
- Each Semester has it's own integer

3.3 USE CASE MODELING AND DESCRIPTION

We use Case model diagram to visualize the activities of different users in the system.

The following diagram is indicating the activities of admin, student and teacher.

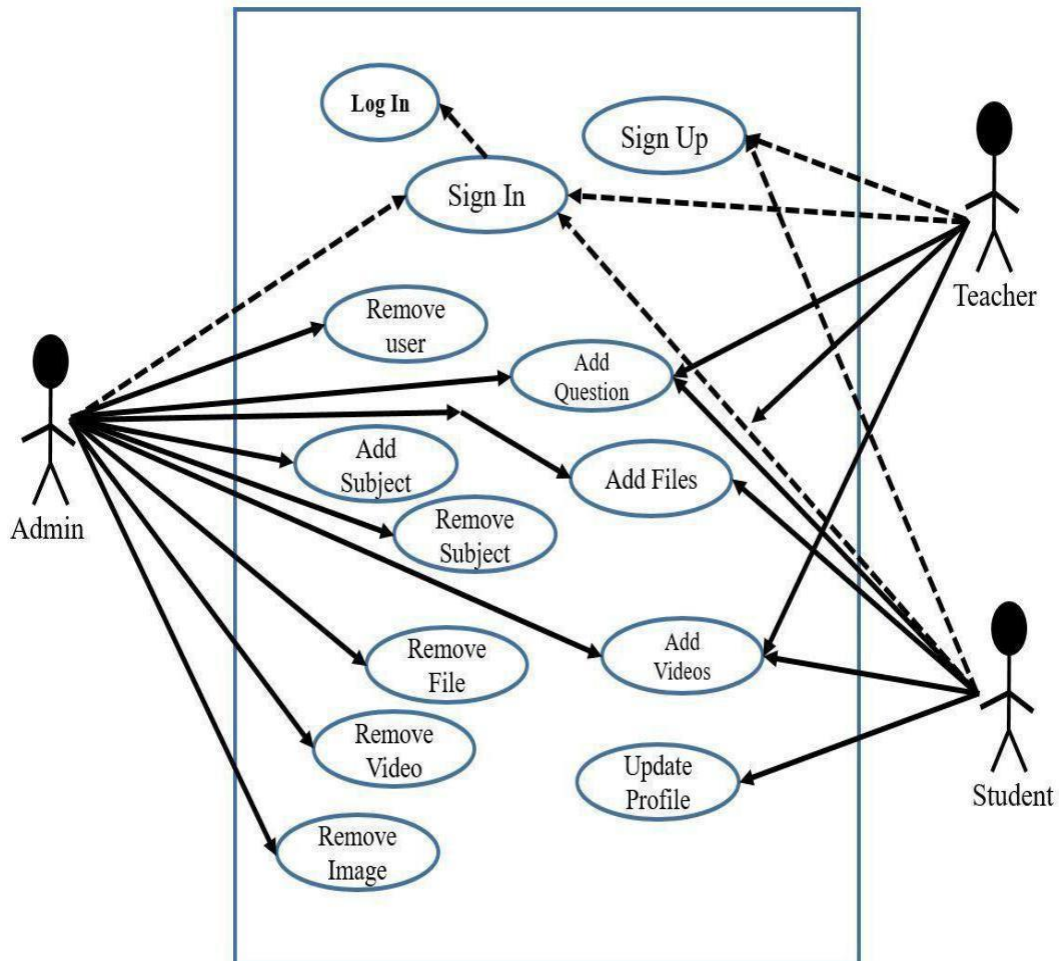


Figure. 3.4 Diagram of Use Case Model

3.4 LOGICAL DATA MODEL

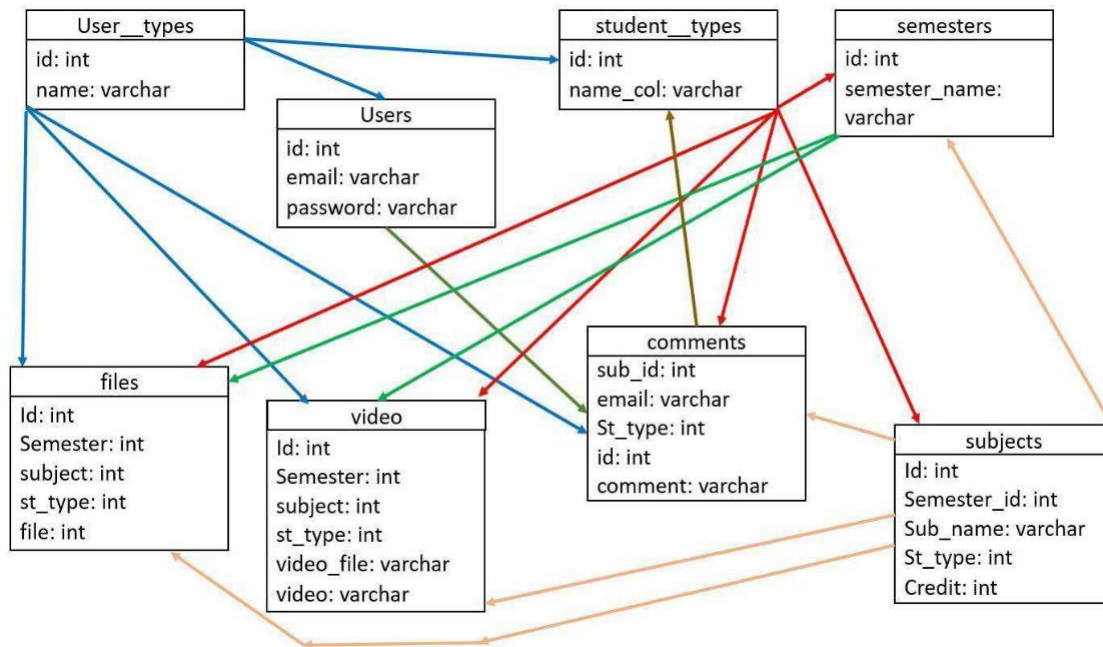


Figure 3.5: Diagram of Logical Data Mode

3.5 DESIGN REQUIREMENTS

The structure necessities of our framework is so one of a kind. We planned our information base in an improving and capable manner that it can give appropriate yield in a brief span. All information prerequisites are organized in isolated structure. The framework has various portions for Admin, Teacher and understudies. These three characters has their individual database structures. The structure of our database is anything but difficult to watch and collaborate.

CHAPTER 4

DESIGN SPECIFICATION

4.1 FRONT-END DESIGN

- ❖ Login interface design
- ❖ Registration interface design
- ❖ Layout design
- ❖ Student interface design
- ❖ Admin interface design
- ❖ Teacher interface design
- ❖ Video tutorials interface design
- ❖ Sections for Slide interface design
- ❖ Contribution section schedule
- ❖ Activities and monitoring section design
- ❖ Comment Section Design

4.2 BACK-END DESIGN

- ❖ Whole process will be divided into three parts (Student, Teacher and Admin).
- ❖ All of them have to go through registration and login system.
- ❖ Differentiating Materials according to student categories (DAY and EVENING)
- ❖ Getting materials through google Drive
- ❖ Fetching appropriate videos from different sites
- ❖ Content uploading Mechanism
- ❖ Saving activities Mechanism
- ❖ Dynamic commenting Mechanism

4.3 INTERACTION DESIGN AND UX

This system works on the basis of some proper steps. The main three role players here are Admin, Student and Teacher. They have to follow the following Steps:

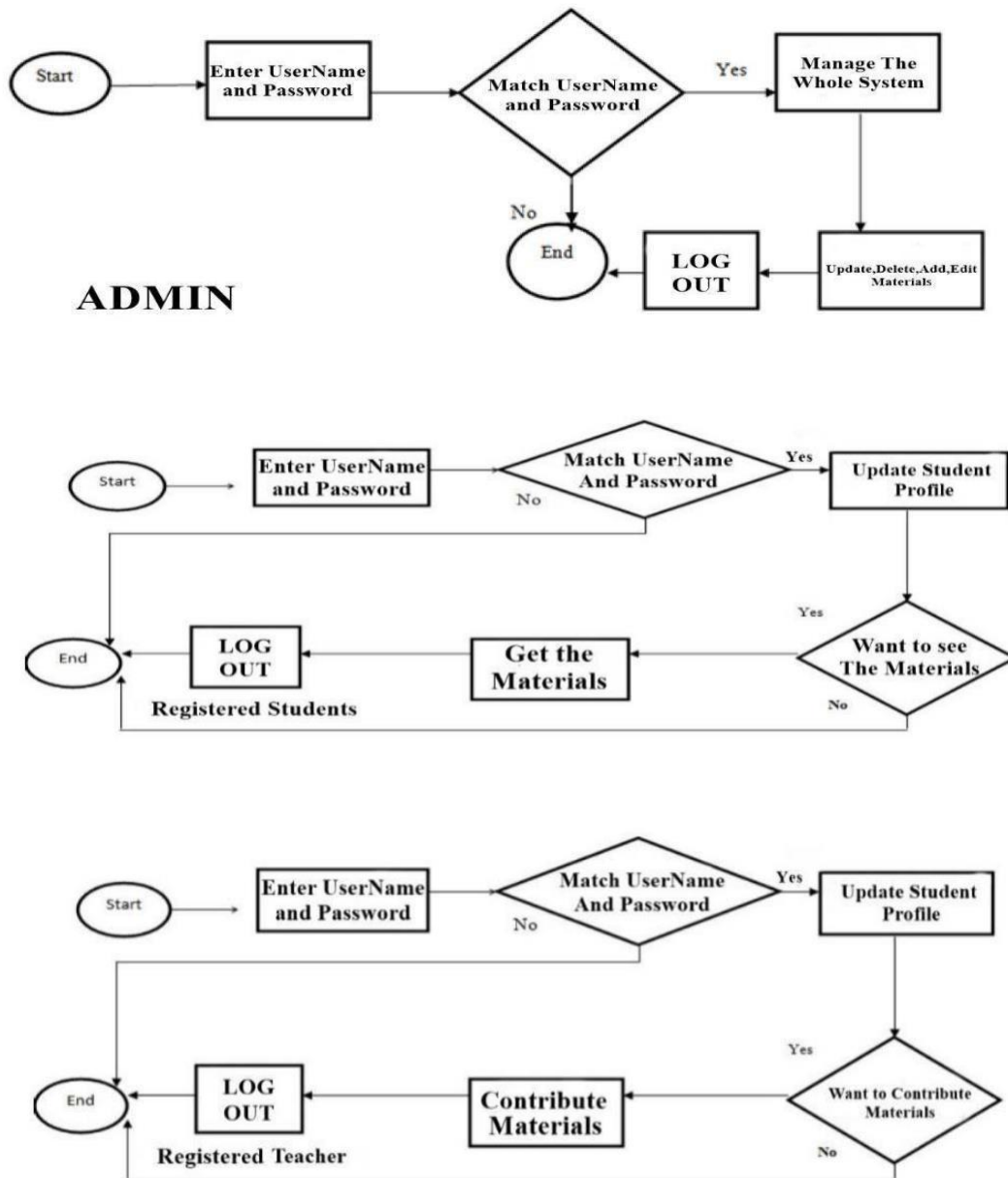


Fig. 4.1 Interaction design and UX

4.4 IMPLIMENTATION REQUIREMENTS

In the event of executing the framework to get it work progressively, this undertaking requires a server framework which is introduced in our condition. We have utilized Apache server given by XAMP virtual server framework to create and run the framework. To run the entire interface made by HTML and CSS, a program is required. JavaScript has made our framework supportable for the programs. PHP_MY_ADMIN instrument is utilized for keeping up our database continuously. It is utilized for the adjustment too. The server which is utilized must most recent variant of PHP and MySQL.

4.5 Implementation

In this section of chapter 4, we have tried to show how the entire system works step by step for easier and better understanding. The steps have been shown below.

4.5.1 Home

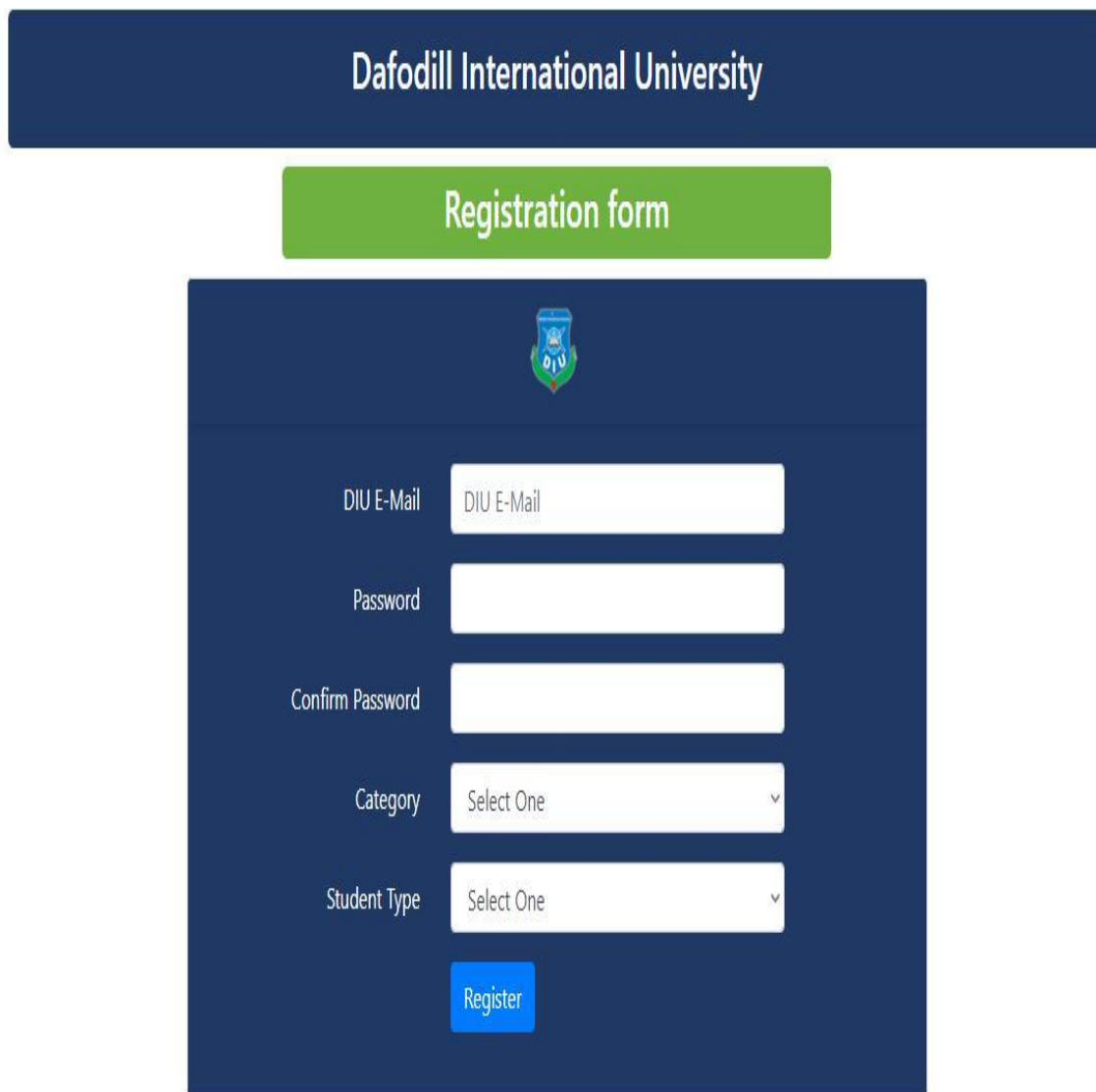
This is the landing page of our website. Here, users will either log in or register as new users.



Figure. 4.2 Home page

4.5.2 Registration

By means of this page, educators and understudies will be enrolled as new clients. Just DIU understudies and instructors will have the option to enlist as the email ID of DIU is important for enrollment. Upon enlistment, an affirmation email will be sent to confirm the email address and client.



The image shows a registration form for Dafodill International University. At the top, there is a dark blue header with the university's name in white. Below this is a green button labeled 'Registration form'. The main form area has a dark blue background and contains the university's crest at the top center. Below the crest are five input fields: 'DIU E-Mail', 'Password', 'Confirm Password', 'Category', and 'Student Type'. Each field has a placeholder text 'DIU E-Mail' or 'Select One'. At the bottom of the form is a blue 'Register' button.

Dafodill International University

Registration form

DIU E-Mail

Password

Confirm Password

Category

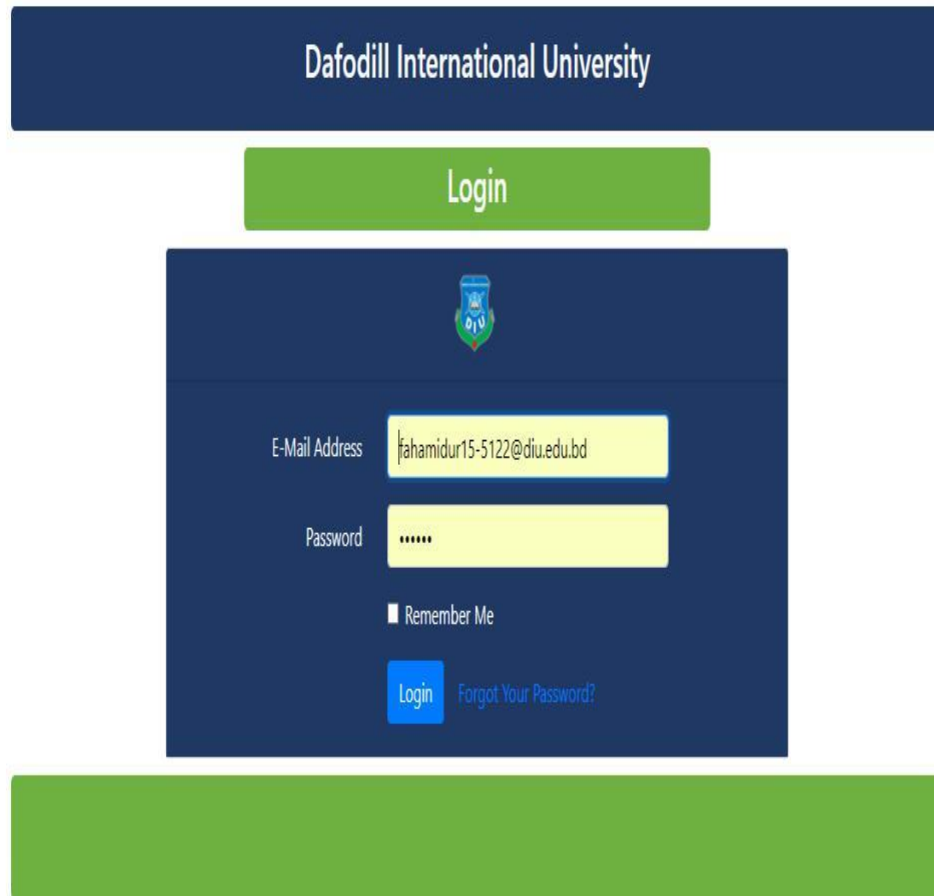
Student Type

Register

Figure. 4.3 Registration page

4.5.3 Login

The clients will utilize this page to login to the framework. In the event that any client overlooks their secret phrase, they can demand secret key recuperation through their email.



The image shows a login page for Dafodill International University. At the top, a dark blue header contains the university's name. Below this is a green button labeled 'Login'. The main login area is a dark blue rectangle containing the university's crest, two input fields for 'E-Mail Address' and 'Password', a 'Remember Me' checkbox, and a blue 'Login' button. A link for 'Forgot Your Password?' is also present. The entire page is framed by green bars at the top and bottom.

Dafodill International University

Login

E-Mail Address

Password

☐ Remember Me

[Login](#) [Forgot Your Password?](#)

Figure. 4.4 Login Page

4.5.4 All User

If logged in as admin, the admin can view and control other users whom are registered to the system.

The screenshot displays a web application interface for managing users. On the left is a dark sidebar with a 'STUDENT GUIDE' header and a hamburger menu icon. Below this is a 'MAIN NAVIGATION' section with links: Dashboard, All User, Subject Add, All Subject, All File, All Image, All Video, Contribution, and a 'LABELS' section with a Logout link. The main content area has a blue header bar. Below the header, a white box titled 'Users table' contains a table with five rows of user data. Each row has a green 'delete' button in the 'action' column.

Sl. No	Email	Category	Type	action
1	karim15-6038@diu.edu.bd	Teacher	admin	<button>delete</button>
2	fahamidur-5122@diu.edu.bd	Student	Evening	<button>delete</button>
3	fahamidur15-5122@diu.edu.bd	Admin	admin	<button>delete</button>
4	tanvir.cse@diu.edu.bd	Teacher	admin	<button>delete</button>
5	mahfuzur33-4783@diu.edu.bd	Student	Day	<button>delete</button>

Figure. 4.5 All User Visualization Panel

4.5.5 Subject Add

Administrators can include new subjects under comparing semesters. The subjects will be added under relating semesters to the dashboard and commitment page of instructor, understudies and administrators powerful.

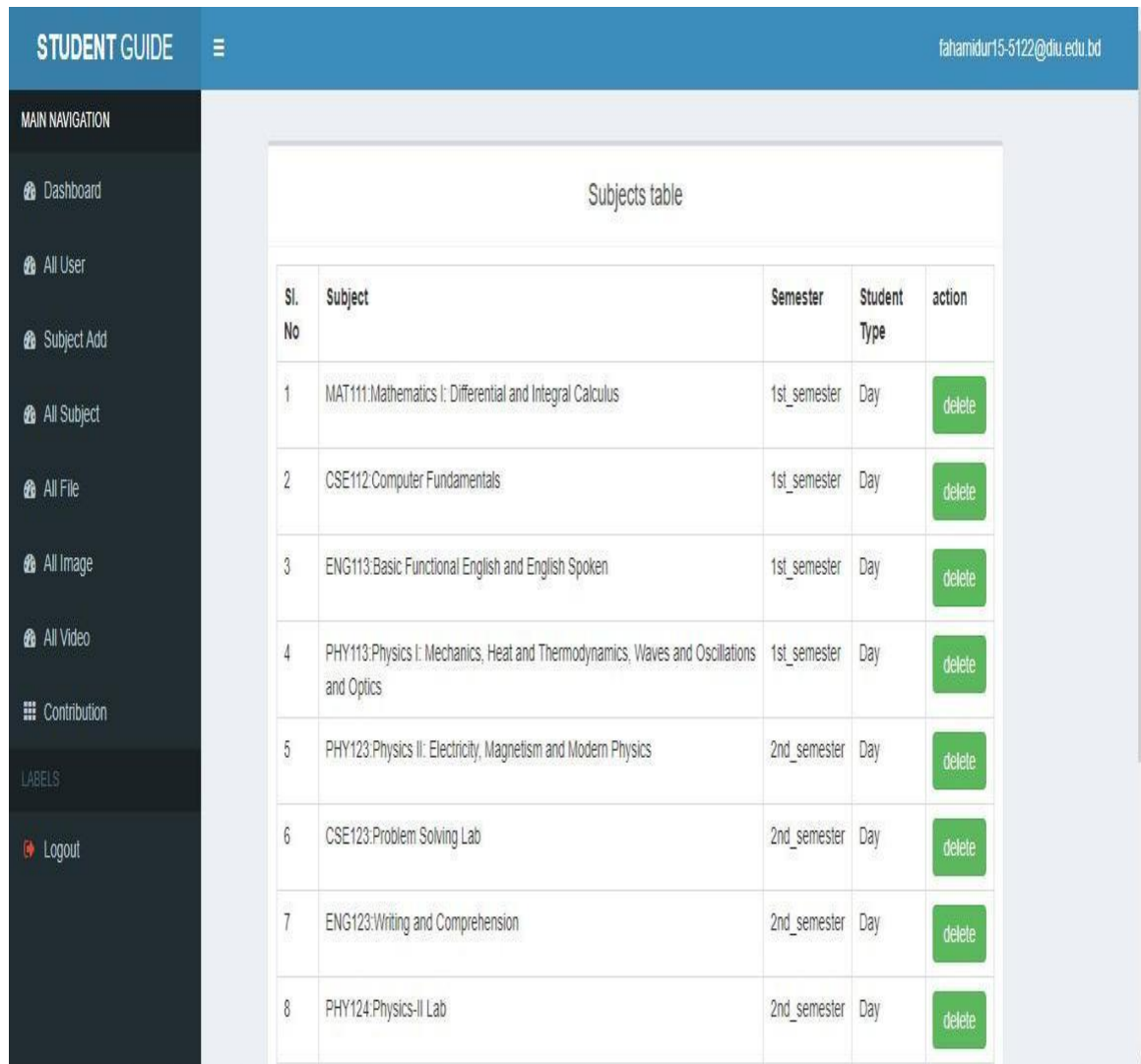
The screenshot displays the 'Subject Add Panel' within a web application. The interface features a blue header bar with the text 'STUDENT GUIDE' and a hamburger menu icon. A dark sidebar on the left side contains a 'MAIN NAVIGATION' section with links to 'Dashboard', 'All User', 'Subject Add', 'All Subject', 'All File', 'All Image', 'All Video', and 'Contribution'. Below this is a 'LABELS' section with a 'Logout' link. The main content area is titled 'Subject' and contains four form fields: 'Semister' (a dropdown menu with 'Select One'), 'Subject' (a text input field with the value 'Subject'), 'Type' (a dropdown menu with 'Select One'), and 'Creadits' (a dropdown menu with 'Select One'). Below these fields is an orange 'Upload' button.

Figure. 4.6 Subject Add Panel

4.5.6 All subject

All subjects that have been included by the administrators will show in this page.

Administrators can evacuate subject's structure this page.



Sl. No	Subject	Semester	Student Type	action
1	MAT111:Mathematics I: Differential and Integral Calculus	1st_semester	Day	delete
2	CSE112:Computer Fundamentals	1st_semester	Day	delete
3	ENG113:Basic Functional English and English Spoken	1st_semester	Day	delete
4	PHY113:Physics I: Mechanics, Heat and Thermodynamics, Waves and Oscillations and Optics	1st_semester	Day	delete
5	PHY123:Physics II: Electricity, Magnetism and Modern Physics	2nd_semester	Day	delete
6	CSE123:Problem Solving Lab	2nd_semester	Day	delete
7	ENG123:Writing and Comprehension	2nd_semester	Day	delete
8	PHY124:Physics-II Lab	2nd_semester	Day	delete

Figure. 4.7 All Subject Panel

4.5.7 All file

Every one of the documents that has been transferred by the administrators, the educators and the understudies are shown in this page. The administrators can evacuate immaterial records.

Users table					
Sl. No	Subject	Semister	Student Type	File	action
1	CSE134:Data Structure	3rd_semester	Day	file-Binary Search Trees.pdf	<div>delete</div> <div>Download</div>
2	CSE134:Data Structure	3rd_semester	Day	file-Binary-Search-Tree-Operationss.pdf	<div>delete</div> <div>Download</div>
3	CSE134:Data Structure	3rd_semester	Day	file-Breadth-First Search.pptx	<div>delete</div> <div>Download</div>
4	CSE134:Data Structure	3rd_semester	Day	file-C12-Binary Search Trees.pdf	<div>delete</div> <div>Download</div>
5	CSE134:Data Structure	3rd_semester	Day	file-CSE134_L01.1_pointers.pptx	<div>delete</div> <div>Download</div>

Figure. 4.8 All File Panel

4.5.8 All Images

The pictures transferred by various clients are appeared in this page. Administrator has the power to expel or download picture from this board.

Sl. No	Subject	Semester	Student Type	Image	action
1	MAT111:Mathematics I: Differential and Integral Calculus	1st_semester	Day		delete Download
2	CSE131:Discrete Mathematics	3rd_semester	Day		delete Download
3	CSE131:Discrete Mathematics	3rd_semester	Day		delete Download
4	CSE131:Discrete Mathematics	3rd_semester	Day		delete Download

Figure. 4.9 All Image Panel

4.5.9 All Video

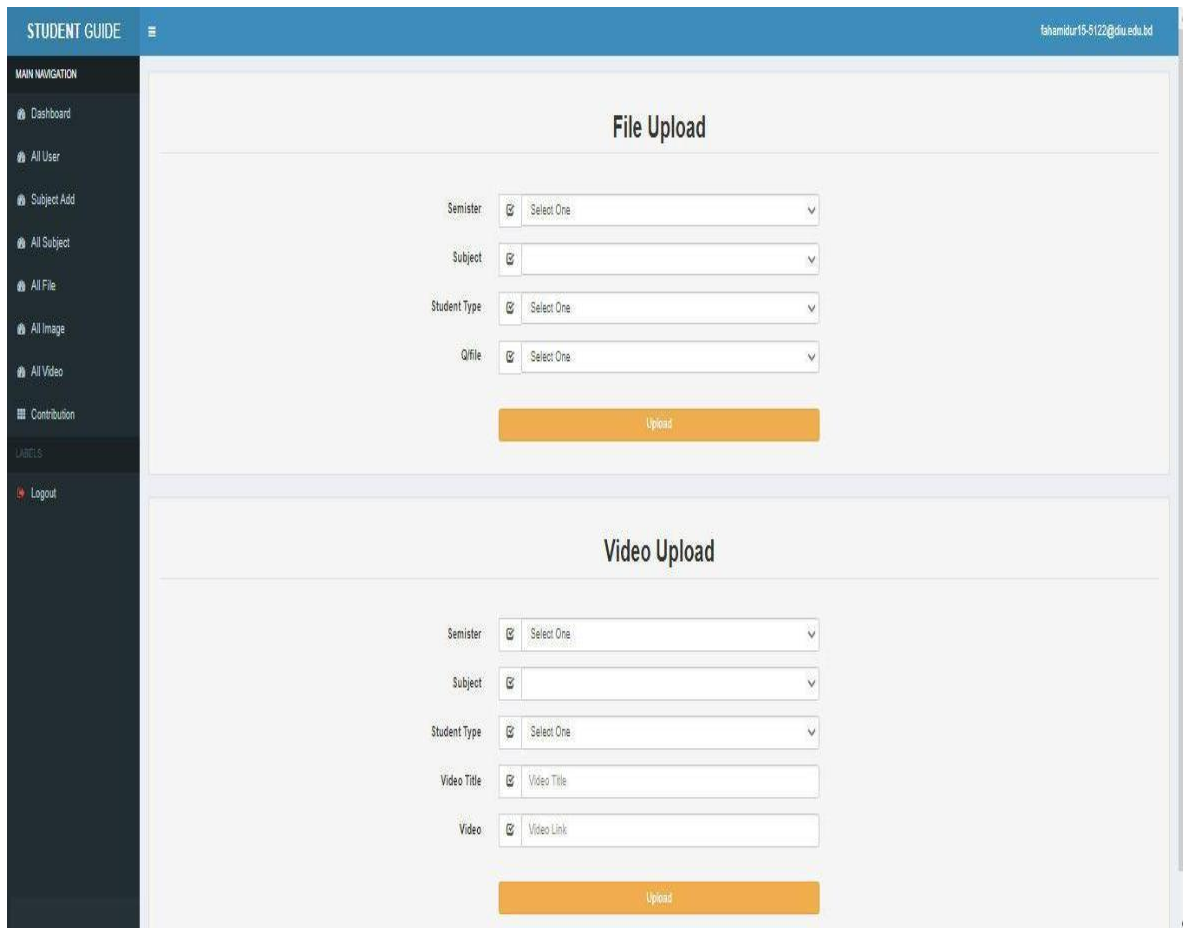
The video connections transferred in the commitment area with their title are shown here with their comparing semester.

Sl. No	Subject	Semester	Student Type	Video Title	Video	action
1	CSE131:Discrete Mathematics	3rd_semester	Day	Discrete Mathematics: Foundation for Computer Science	https://www.youtube.com/embed/pKjrk-yEYFI	delete
2	CSE131:Discrete Mathematics	3rd_semester	Day	Discrete Mathematics - Propositional Logic & Logical Operator	https://www.youtube.com/embed/bn7gQ4zOSIU	delete
3	CSE131:Discrete Mathematics	3rd_semester	Day	Discrete Mathematics - More Logical Operators	https://www.youtube.com/embed/a3QDz1FMMg	delete
4	CSE131:Discrete Mathematics	3rd_semester	Day	Discrete Mathematics - Logical Equivalence	https://www.youtube.com/embed/F3qIbABFPks	delete

Figure. 4.10 All Videos Panel

4.5.10 Contribution

The most unique feature of the system is this page. Where all the students and teachers can share their collected materials with everyone.



The screenshot displays a web application interface for a 'STUDENT GUIDE'. The top navigation bar is blue with the text 'STUDENT GUIDE' and a user email 'fahamdur15-8122@du.edu.bd'. A dark sidebar on the left contains a 'MAIN NAVIGATION' menu with items: Dashboard, All User, Subject Add, All Subject, All File, All Image, All Video, Contribution (highlighted), and a 'LABELS' section with a Logout link. The main content area is divided into two sections: 'File Upload' and 'Video Upload'. The 'File Upload' section has four dropdown menus for Semester, Subject, Student Type, and Qfile, each with a 'Select One' option, and an orange 'Upload' button. The 'Video Upload' section has the same four dropdown menus, plus two text input fields for 'Video Title' and 'Video' (with a 'Video Link' placeholder), and an orange 'Upload' button.

Figure. 4.11 Contribution Panel

4.5.11 Dashboard

The dashboard of instructor and administrator is same. If there should be an occurrence of understudies, the dashboard of day understudies will show their comparing semesters and night understudies will see their relating semesters.

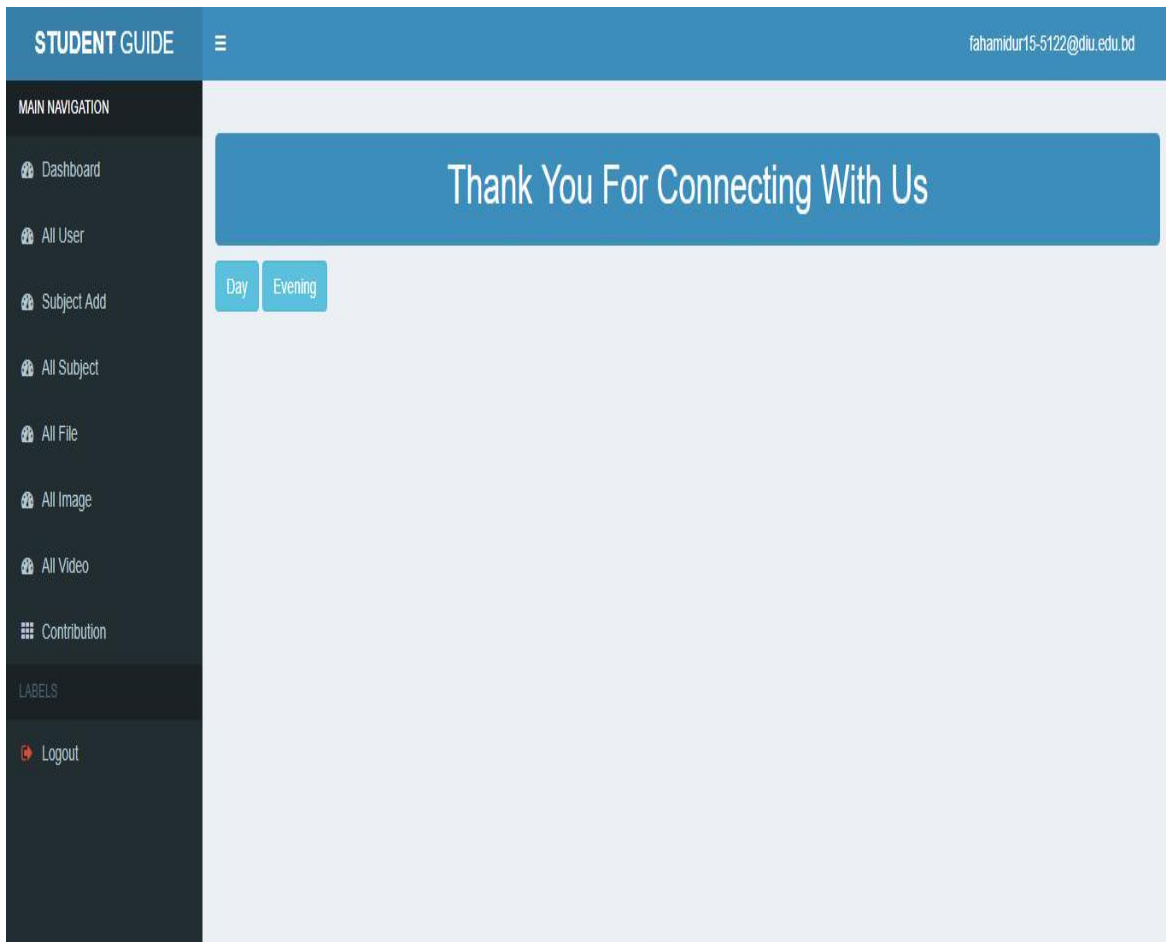


Figure. 4.12 Dashboard Panel

4.5.12 Content

At the point when a client chooses a particular subject, this page is shown. A document segment, an inquiries area and a video segment is appeared at the left side. A remark area is given at the correct side for client correspondence.

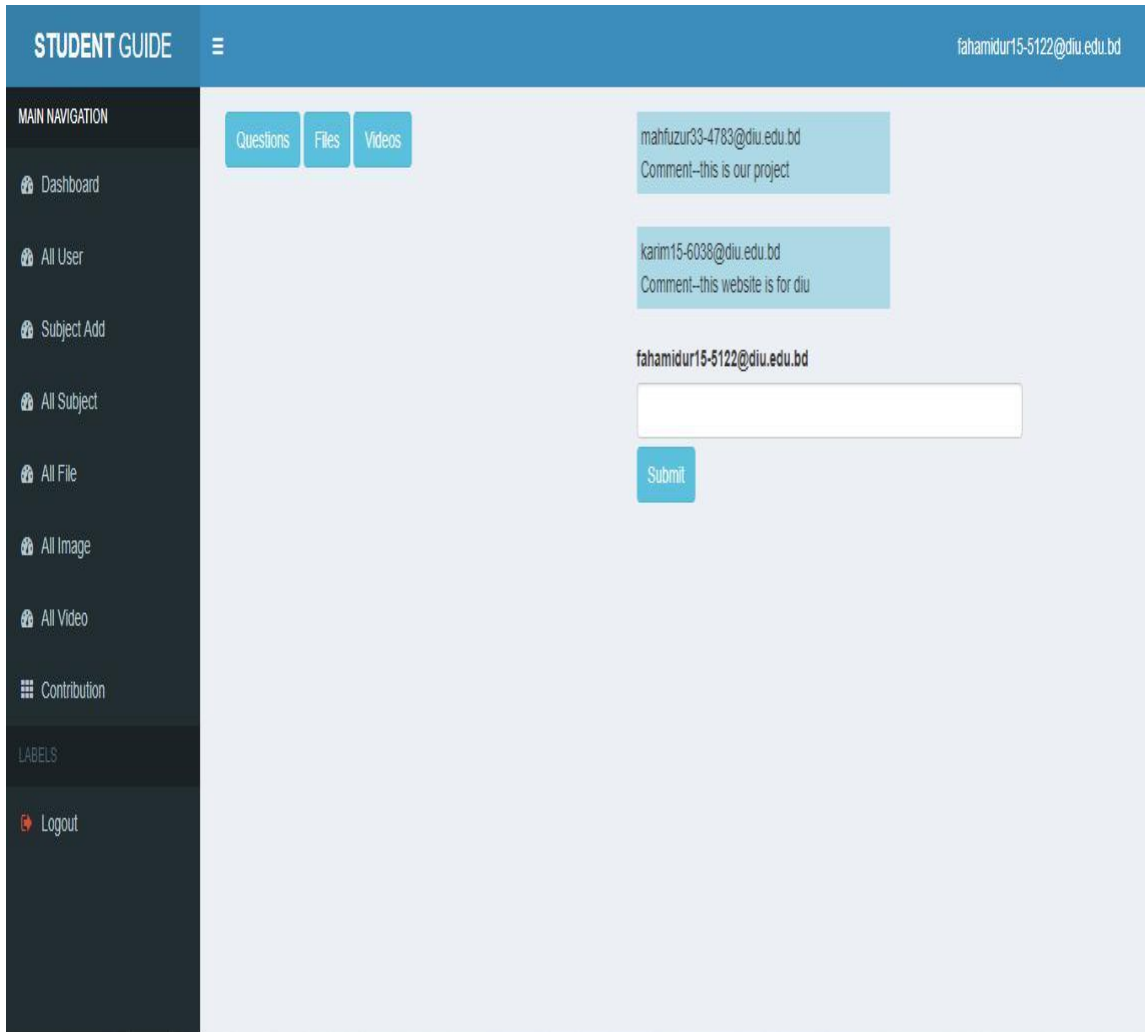


Figure. 4.13 Content Panel

The questions are shown in this way.

STUDENT GUIDE			fahamidur15-5122@diu.edu.bd
MAIN NAVIGATION			
Dashboard			
All User			
Subject Add			
All Subject			
All File			
All Image			
All Video			
Contribution			
LABELS			
Logout			





Image table		
Sl. No	Image	action
1		Download
2		Download
3		Download
4		Download

Figure. 4.14 Questions Showcase Panel

Here is the file display.

STUDENT GUIDE			fahamidur15-5122@diu.edu.bd
MAIN NAVIGATION			
Dashboard			
All User			
Subject Add			
All Subject			
All File			
All Image			
All Video			
Contribution			
LABELS			
Logout			

Files table		
Sl. No	File	action
1	file--Chap 1.1 ppt	Download
2	file--Chap 1.3 ppt	Download
3	file--Chap 1.5 - Copy ppt	Download
4	file--chap 2.1,2.2 ppt	Download
5	file--s1.1_propositional_logic.pdf	Download
6	file--s1.2_propositional_equivalences.pdf	Download
7	file--s1.3_predicates_quantifiers.pdf	Download
8	file--s1.5_rules_inferences.pdf	Download
9	file--s2.1_sets.pdf	Download

Figure. 4.15 Files Showcase Panel

The recordings are appeared in this arrangement. The video connections are taken from YouTube. At the point when a video is clicked, the client will be sent to the first YouTube site, from where the video is taken.

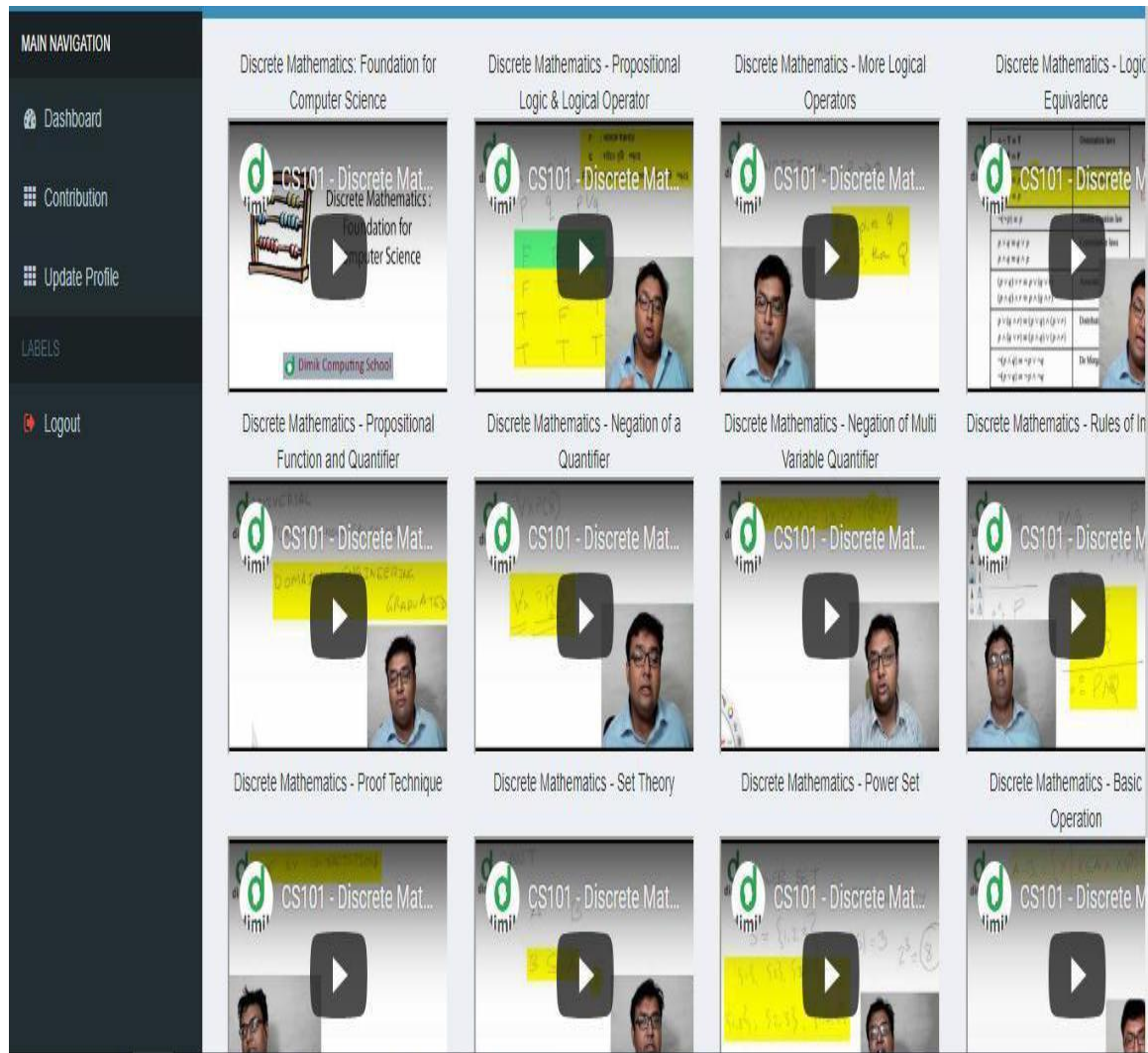


Figure. 4.16 Video Showcase Panel

4.5.13 Profile Update

As we have sorted understudies as Day and Evening, their comparing course material is unique. Understudies can refresh their profile. Can change their sort to view substance from another class.

The screenshot shows a web interface for a student guide. On the left is a dark sidebar with the following elements: a header 'STUDENT GUIDE' with a hamburger menu icon, a section 'MAIN NAVIGATION' containing 'Dashboard', 'Contribution', and 'Update Profile' (highlighted), a section 'LABELS', and a 'Logout' button. The main content area has a blue header bar with the text 'Update your profile'. Below this, there are two form fields: 'DIU E-Mail' with the value 'mahfuzur33-4783@diu.edu.bd' and 'Student Type' with a dropdown menu showing 'Day'. A blue 'Register' button is positioned below the 'Student Type' dropdown.

Figure. 4.17 Profile Update Panel

4.5.14 Routine

After Selecting routine from the Menu panel. Students can see routines from this segment.

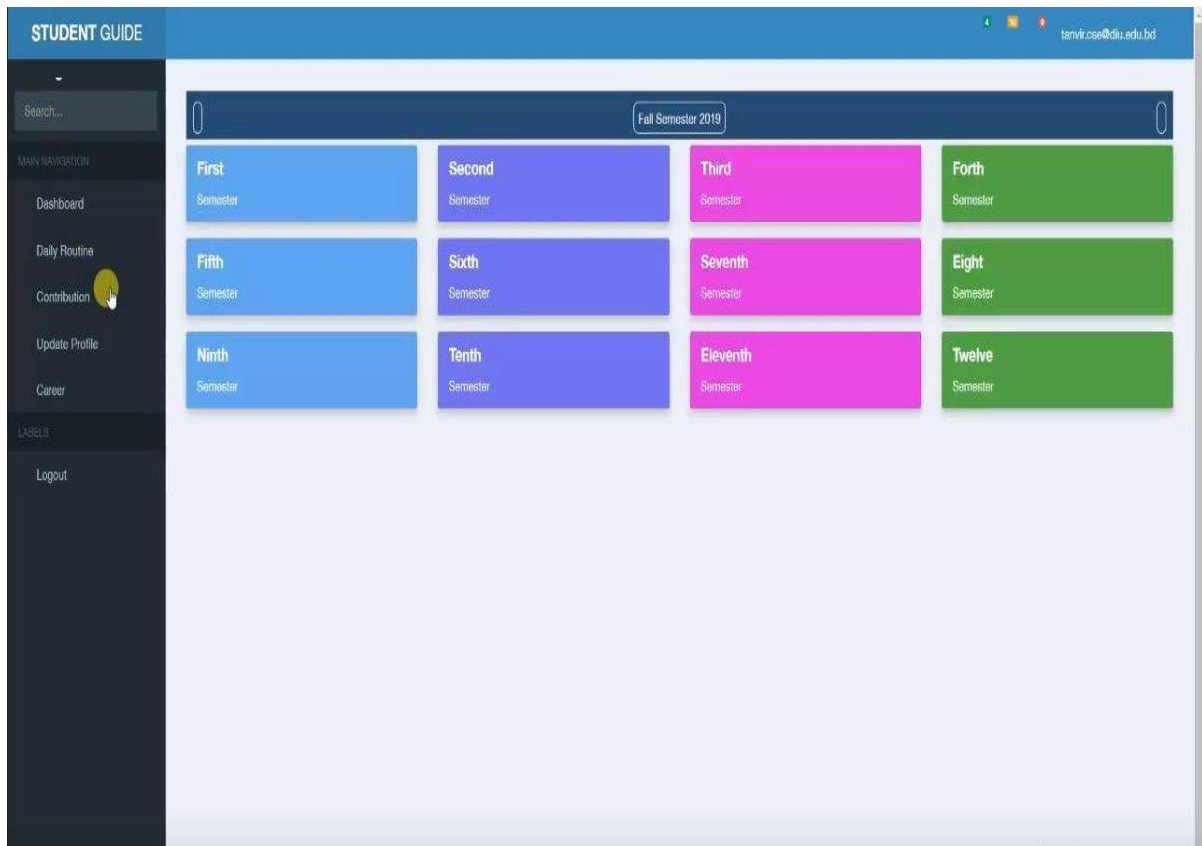


Figure. 4.18 Routine Panel

4.5.14 Routine

In this panel the sections of different semester will be showcased.

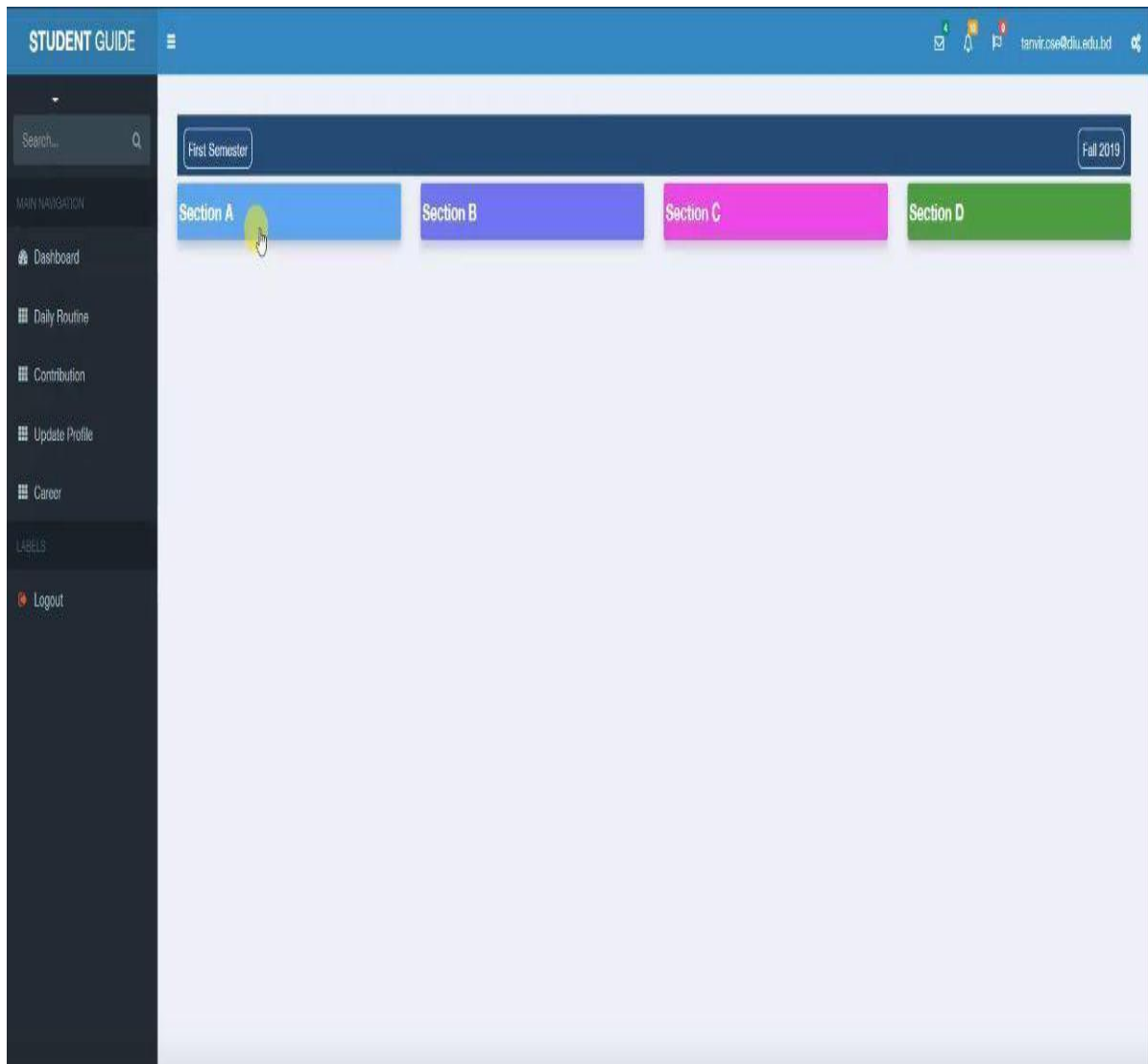


Figure. 4.19 Routine Panel (Section)

4.5.14 Routine

Subsequent to tapping the educator introductory the full status of that respect able instructor will be demonstrated structure DIU employees page.

The screenshot displays the 'Faculty Members' section of a website. At the top, there is a navigation bar with links for 'DIU Home', 'Home', 'Forum', and 'Contact Us'. Below this, a green banner identifies the 'Department of Computer Science and Engineering'. The main content area features a profile for 'Mr. Shah Md Tanvir Siddiquee', an Assistant Professor. To the left of the profile is a vertical menu with tabs for 'Personal Information', 'Academic Qualification', 'Training Experience', 'Various Project', 'Teaching Area', 'Publication', 'Research', and 'Award & Scholarship'. The 'Personal Information' tab is selected, showing details such as Name, Employee ID, Designation, Department, Faculty, Personal Webpage, E-mail, Phone, and Cell-Phone.

Mr. Shah Md Tanvir Siddiquee Assistant Professor	
Name :	Mr. Shah Md Tanvir Siddiquee
Employee ID	710001514
Designation	Assistant Professor
Department	Department of Computer Science and Engineering
Faculty	Faculty of Science and Information Technology
Personal Webpage	http://faculty.daffodilvarsity.edu.bd/profile/cse/shah-md-tanvir.html
E-mail	tanvir.cse@diu.edu.bd
Phone	
Cell-Phone	01712560297

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Figure. 4.20 Routine panel (Teacher initial)

4.5.14 Routine

After Selecting routine from the Menu panel. Students can see routines from this segment.

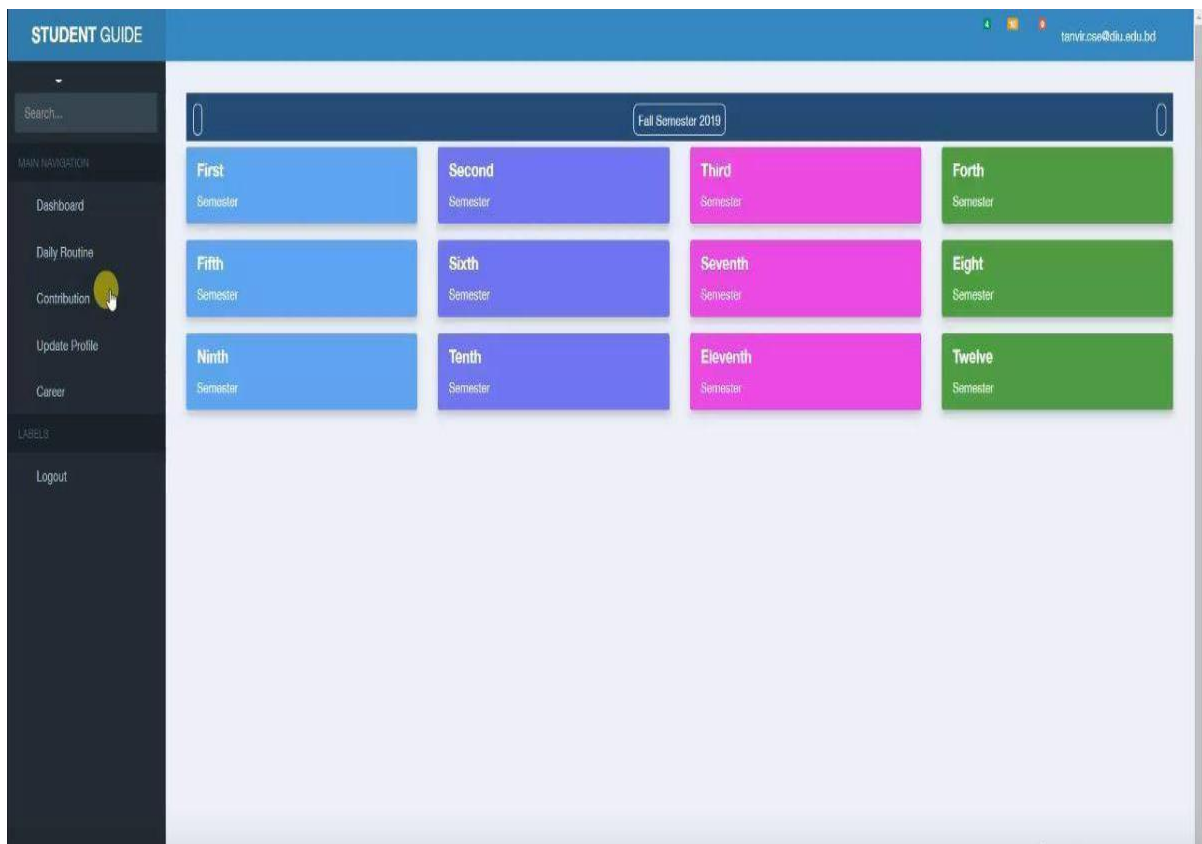


Figure. 4.21 Routine Update

CHAPTER 5

EMPLIMENTATION AND TESTING

5.1 IMPLIMENTATION OF DATABASE

The nature of an undertaking relies upon the database. It is one of the principle component of our advancement venture. In our undertaking we have utilized MySQL which is a prominent DBMS. It is an open-source database the board framework which is the for the most part utilized for online framework. Database related knowledge is given shortly below.

1. Database name: st_guide.sql
2. 8 tables and each table have multiple columns.

TABLE 5.1: Tables in Databse and their Purpose

Table Name	Purpose
User-Types	Define the type of Users
Users	How many users and their types
Student_type	Define the type of student
Semester	Stores the semester of the university
Subjects	Subject under each semester with their credit is defined
Files	The files and images under each subject
Videos	The video links of each topic
Comments	Comments Under each email

5.2 IMPLEMENTATION OF FRONT-END DESIGN

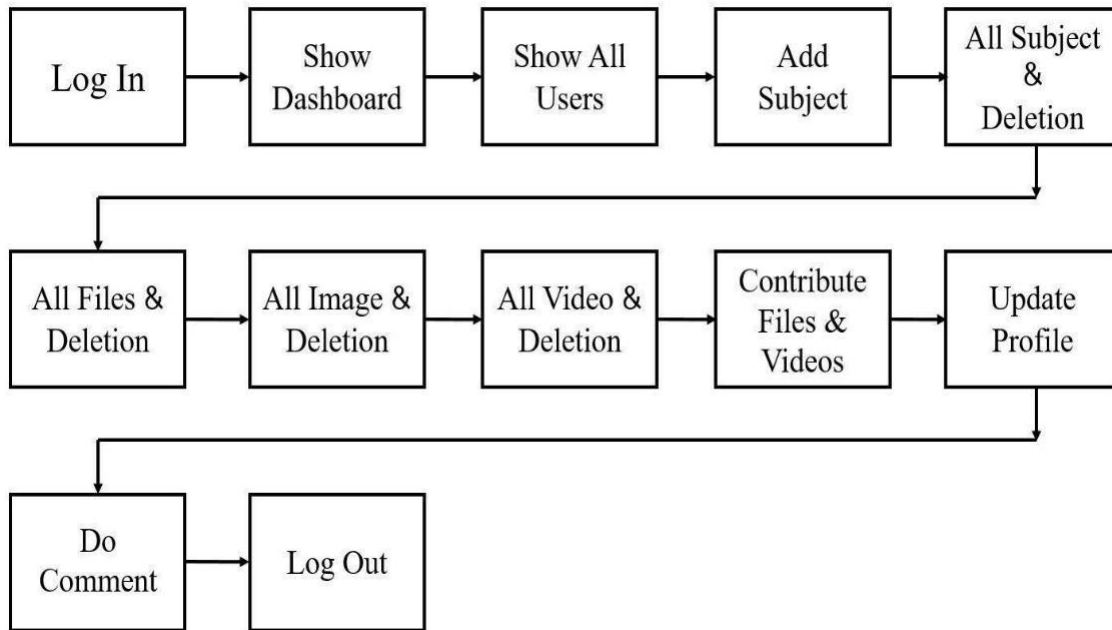


Figure. 5.1 Front end design implementation

5.3 IMPLEMENTATION OF INTERACTION

Connection is a typical undertaking for building up a venture usage. Our framework is an electronic venture such a large number of assets and client action is expected to communicate with it. Database like MySQL is utilized here. The center establishment of our entire venture is subject to appropriate information. So in every cooperation correspondence between server and customer are happening effectively every time. Data fetching, downloading, uploading, editing, deleting, writing and modifying, data all are happening simultaneously.

5.4 TESTING IMPLEMENTATION

A wide range of testing of the framework have done by us. That is the reason we are currently outstanding about the client prerequisites. So we can affirm that our framework has been tried thoroughly we incredible assurance.

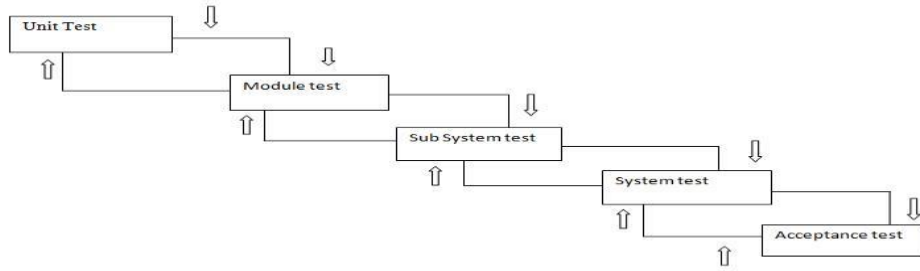


Fig. 5.2 Testing implementation

➤ UNIT TEST

Each stage and some portion of our framework is tried cautiously to ensure that the whole structure is accurately executed. It has been guaranteed by us that each piece of this framework fills in according to prerequisite.

➤ MODULE TEST

Gathering of ward parts, for example, an item class, object information type or some looser accumulation of techniques and capacities.

➤ SUB-SYSTEM TEST

Testing gathering of modules which have been incorporated into sub frameworks is associated with this stage.

➤ **SYSTEM TEST**

In the earlier establishment time frame, framework test is finished by us and it has been seen that this framework functions as our desire.

➤ **USABILITY TEST**

The clients have done the ease of use test. These checked this framework gives careful yield true to form by them.

5.5 TEST RESULT AND REPORTS

Our entire framework is tried thoroughly by us and some other outer clients. Each outcome is so satisfactory. All the understudy can enroll and login effectively just as instructor and the administrator. In spite of the fact that some glitch is likewise present. Their client experience is so quiet. No issues are established while getting any sort of materials. Transferring component is working quickly.

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

6.1 DISCUSSION

Our points and goals that we have set will be satisfied by our framework in an efficient and beneficial way. "DIU Student Guide" is a development to explain and help the current examination issues of our understudies. It is our conviction that the understudies of CSE branch of DIU will get our framework with incredible energy. Front-end and Back-end advancement builds the benchmark of the nature of this undertaking. Gathering qualityful and mass measure of slides, great recordings, different instruments and keeping the entire framework update is one of the fundamental difficulties.

6.2 CONCLUSION

Presently there are a few highlights, we are quick to include the framework which will be enormously profitable for every one of the understudies. It will be a methodology from us to make the framework more modern and gainful.

- ❖ Introducing on the web addresses for the understudies where the teachers of our college can give online live talk to the understudies.
- ❖ This framework is currently applicable for CSE understudies. We are attempting to include all the significant offices in our framework to make it usable for all the students.
- ❖ Review will be opened as quickly as time permits where the students can survey every one of the apparatuses as indicated by his/her fulfillment level. It will push us to improve the nature of the Supplements.
- ❖ We need our understudies to work for the improvement of the framework to accumulate involvement about workplace.

Toward the finish of this section we need to offer gratitude to Almighty Allah. We are so thankful to our Supervisor who upheld us a ton throughout this entire procedure. We might want to thank our different educators and well-wishers who has bolstered us.

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Design and Development of Student Study Materials Repository System

ORIGINALITY REPORT

14%

SIMILARITY INDEX

0%

INTERNET SOURCES

0%

PUBLICATIONS

14%

STUDENT PAPERS

PRIMARY SOURCES

1

Submitted to Daffodil International University

Student Paper

9%

2

Submitted to NCC Education

Student Paper

1%

3

Submitted to University of Mauritius

Student Paper

1%

4

Submitted to Kingston University

Student Paper

1%

5

Submitted to International School of Management and Technology

Student Paper

<1%

6

Submitted to Higher Education Commission Pakistan

Student Paper

<1%

7

Submitted to Emirates National Schools

Student Paper

<1%

8

Submitted to University of Teesside

Student Paper

<1%

9

Submitted to Royal Holloway and Bedford New College

Student Paper

<1%

10

Submitted to South Bank University

Student Paper

<1%

11

Submitted to University Utara Malaysia

Student Paper

<1%

