

Coaching Management System



DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

Coaching Management 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 and Engineering.

Supervised By

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DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

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APPROVAL

This Project titled “**Coaching Management System**”, submitted by A B M Taj Uddin, ID No:163-15-788, Mehedi Hasanat Apu, ID No:161-15-702 and Ali Hosen, ID No:162-15-777 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 Bachelor of Science in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 23-09-2020.

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DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Mohammad Monirul Islam**, Senior Lecturer, 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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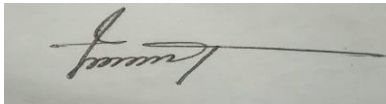


.....
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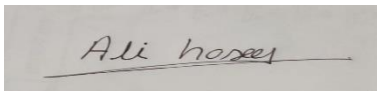
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We are immensely grateful to him for his valuable guidance, continuous encouragements and positive supports which helped us a lot during the period of our project. Without his supervision we would not be able to successfully complete the project in given time. We would like to appreciate him for always showing keen interest in our queries and providing important suggestions. After that we also express whole hearted thanks to our friends and classmates for their care and moral supports. They also helped us by giving project related information which was really helpful. The moments, we enjoyed with them during our project will always remain as a happy memory throughout our life.

Finally, we will also like to thank the Daffodil International University’s authority as they provided proper educational environment and facilities which were greatly effective for our project.

ABSTRACT

Coaching Management System is a web based project which is designed for the better interaction among students, teachers, parents and authority. Admin panel handles the security issues very carefully. In our Coaching Management System admin can add student and if needed admin can edit student information. Admin have this permission to delete student information. By this application admin will be able to manage Exam marks easily. Admin can easily send marks to the guardian via SMS management system. There is nice feature of attendance management system on this application. In this application admin can easily add class routine, add subject and remove class routine and subject if needed. The viewers can see the coaching Information from Coaching website. Viewers can easily read all the notice by just browsing our online site anywhere at any time. It allows people to get all the information which will provide all the information of our coaching with help of authority. Moreover, this site is free for everyone to see coaching details and most beneficial is that people can easily connect with coaching authority.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Coaching Management System has much importance to get updated information student's activities by clicking the website. From here we started to think how we can keep connection with students and parents within short period of time. And then we started to work on our project named Coaching Management System. Sometimes students may not be able to get latest notice so that they may miss important classes, exam time or any necessary events. Keeping these things in mind we started working on Coaching Management System so that we can easily let know students and parents about their progress. We also add calendar here so that we can update attendance, results according to date and it will be much more useful to our students. Our final goal should be how easily and shortly we give the latest notice or information's to students and parents.

1.2 Motivation

When we started our work first of all we downloaded that project paper that is related to our work. Then we reviewed all those papers. After that we discussed our honorable supervisor Mohammad Monirul Islam, Senior Lecturer of Daffodil International University, Department of CSE. When we share our plan to our honorable supervisor, he also showed interest in our project and pleasingly accepted our proposal and then gave us some necessary directions to complete our project properly. Without his directions and supports, it would not be possible to complete the project properly.

The motive behind this work, sometimes we may face some difficulties to get accurate information, exam schedule and attendance reports according to dates. So, that we want to ensure that every single thing that happen every day in our coaching students are must know before the event. The

competitive world is updating very fast. If we want to cope up with challenging universe, we need to establish digital/online platform which will be very effective for everyone to know the latest information. Manual systems are now less popular but the online system is becoming more popular and profitable now a days.

1.3 Objectives

Here we create a complete coaching management project which will provide us the full managing process of any coaching. By this project coaching authority can easily handle all the managing system of coaching. Manually, this is very difficult to manage everything of a coaching, so we try our best to create a project which will be very helpful for managing a coaching center easily. On the other hand, students and parents can easily connect with teachers easily by this project. They can easily find all the necessary information and notice from coaching website.

1.4 Expected Outcomes

- Student can easily connect with teachers.
- Admin can easily handle all the managing system.
- New visitors can easily know about the coaching

1.5 Page Layout

- Related information's are used in every topic sufficiently.
- Every topic has been coordinated with some paragraph as it becomes easy to understand.
- To represent the topic's content more easily images and figures are being used.
- To organize all the contents of the report required font and size are being used.
- To coordinate the content specific margins and spaces are being used.
- To represent the content's value more accurately bullet points are being used.

- To find out all the content more easily required format and menus has been used.

1.6 Summary

Day by day we are upgrading by technologies. There is no sector where technologies are not used. As a result, technology also touch the education sector too. So we are trying to make a modern application for coaching management. This application will make time more shorter than previous time. Also the maintenance system will more easier of this modern application. This system easily keep interaction between authority, student and guardian. By using this application teachers and guardian can easily keep focus on student activities.

Chapter 2

BACKGROUND

2.1 Introduction

The main purpose to create this Coaching Management System is to provide the valid information and activities of students instantly to the guardians. For the purpose of this project we researched some related school management system features but we notice some lacking's in those projects. For this reason, we decided to create a Coaching Management System that will be easy to use with some update features. In our Coaching Management System, we will include some other interesting features in future.

2.2 Related Work

We look some sib system that we want to build up. Like that we are in initial stage, we want to build up a system which will simple to use and smarter than other coaching management system. We always see some coaching management more sufficient information but there is also some lacking as well. Since we are in basic stage and we have end time for this cause this system will not that much interesting but it shall be used amiable. Although we get adequate time later, we will like to work on it so that it seems to be most attractive and intelligent. We are trying to improve and adjust as many characteristics as possible in our coaching management.

Some national and international school managing sites that are related to our project, links are given below and these projects are quite similar to our coaching management system.

- <https://www.youtube.com/watch?v=ISJvEcDzxBo>
- <https://www.youtube.com/watch?v=F9ITFpY8Ihs>
- <https://www.youtube.com/watch?v=62ErRXyx8rE>
- <https://www.youtube.com/watch?v=CRnq2hQa2Os>

2.3 List of Figures

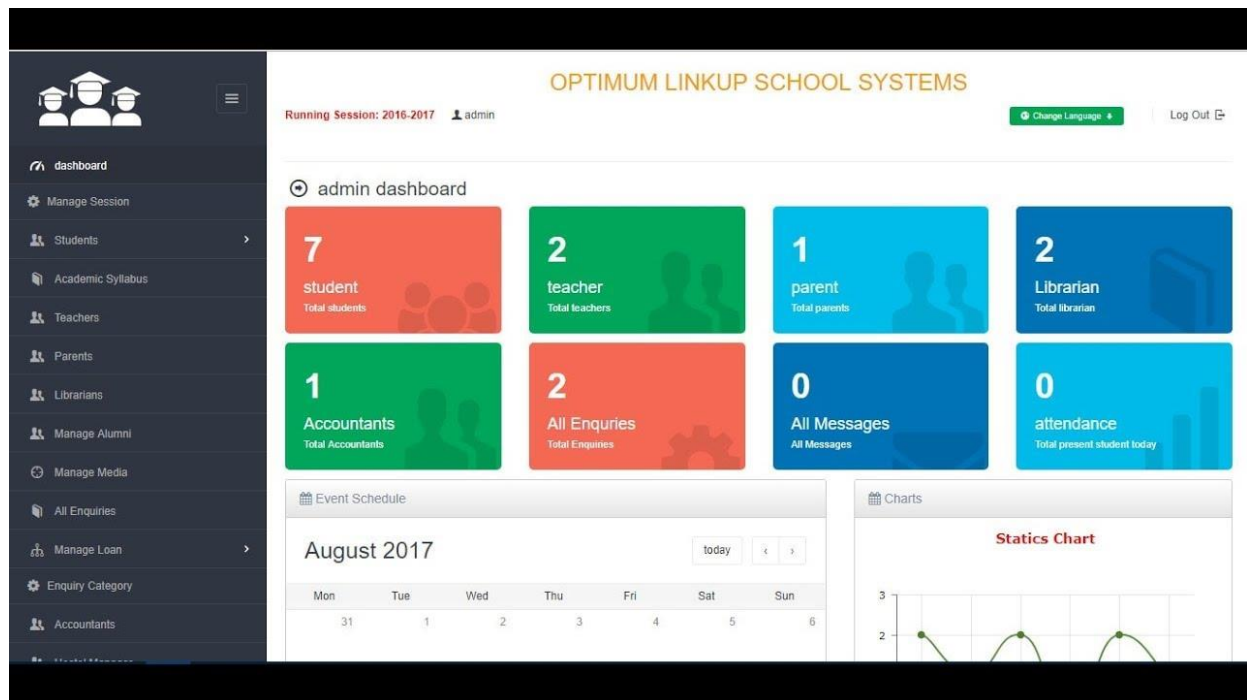


Figure 2.3.1 Optimum linkup school system [1]

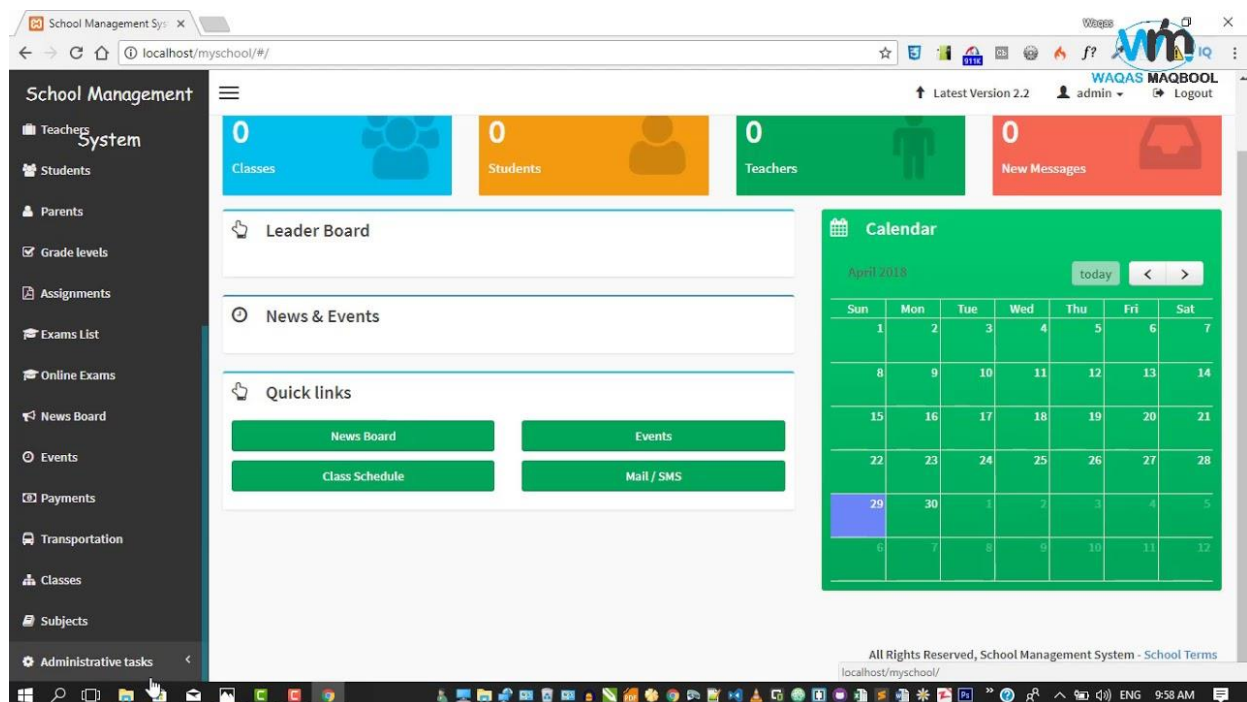


Figure 2.3.2 Advance school management system [2]

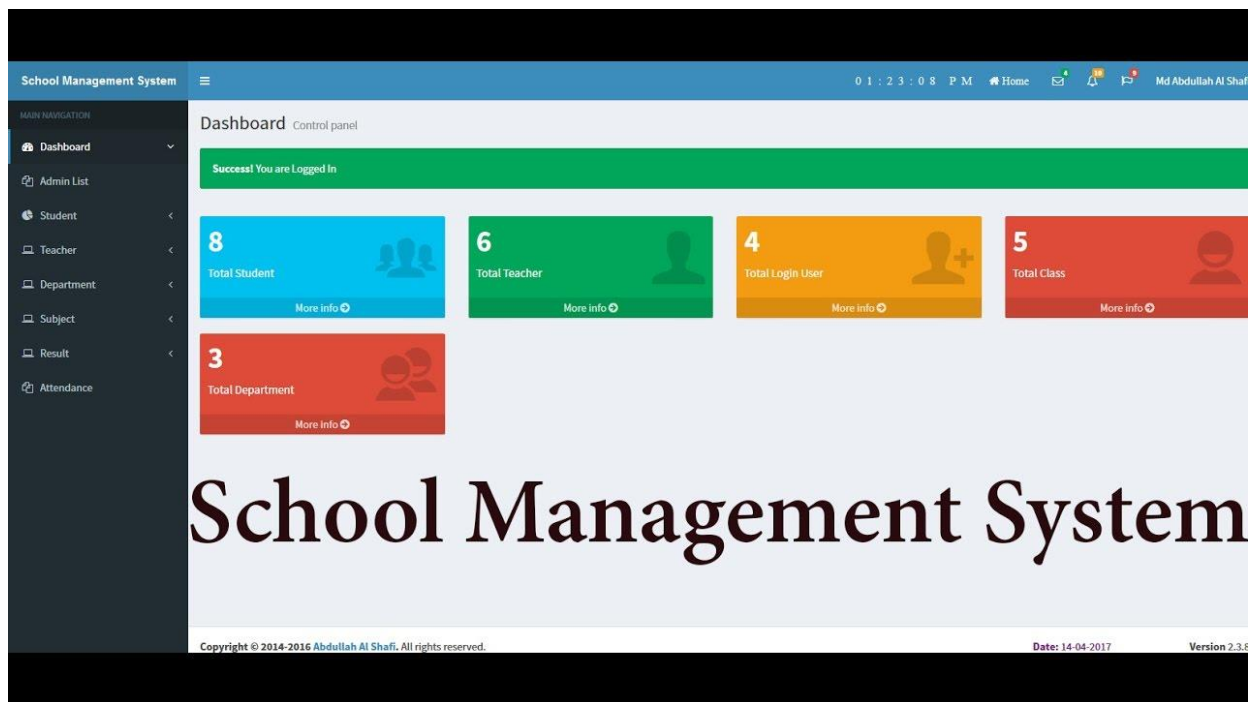


Figure 2.3.3 School management system [3]

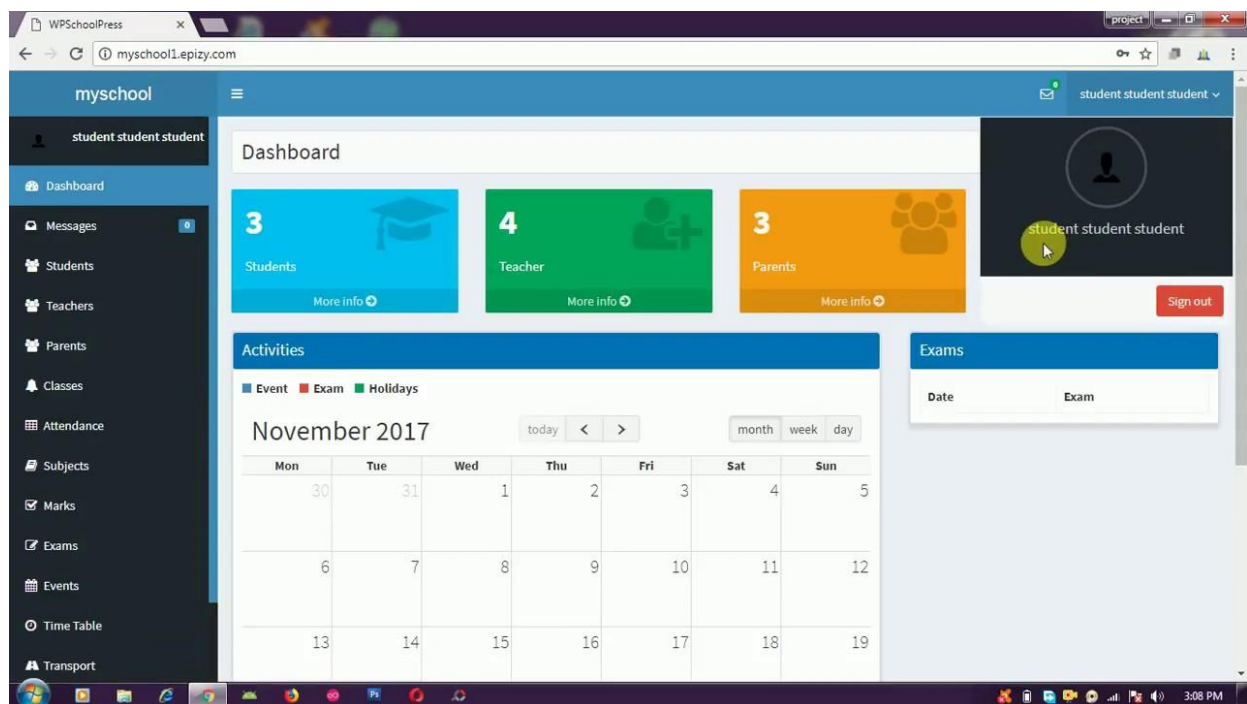


Figure 2.3.4 School management system [4]

2.4 Comparative Studies

We noticed some common functions that are related to our project but we made some difference in our Coaching Management System. They contain much more information than ours but sometimes they do not provide the type of information that students and parents want to see. So, we are looking forward to work on it. Our Coaching Management System will be much more user friendly and smarter than other. Most often we see a vast amount of advertisement in other management system which is very annoying for the website visitors. So, it will be much competitive advantage for us. We will not allow advertisement in our web application. It will not only reduce parents hassle but also save their valuable time. They can easily know their child's progress without visiting coaching.

2.5 Challenges

Our real challenges are attendance report which are not work properly and also budgeting issues which are needed for better management. In addition, teachers are not always being available and open to meet deadlines. One of the biggest challenges is feedback. It is so hard for people because they are afraid of damaging the relationship or de-motivating people.

2.6 Summary

Coaching management system is the process of supporting a class or a student to improve styles of learning, ways of thinking and how to face challenges of any exam. During the last 10 years, coaching has become an effective process in helping student and clients for reaching their goals and improve their performance, not only UK and USA, but also in Bangladesh. However, coaching management spirit the relationship and trust where student asking question and also feedback, awareness, suggestions, simplification, goals and action plan.

Chapter 3

REQUIREMENT SPECIFICATION

3.1 Software Development Life Cycle Modeling

Software Development life cycle Or SDLC is a method that will be usage in our coaching management system provided that design, create and improve high quality software. SDLC is a process that will be ensured the upper skill of our coaching management and this will clearly all our documents and wish. Further, it will aid us to create a profitable and prosperous quality coaching management.

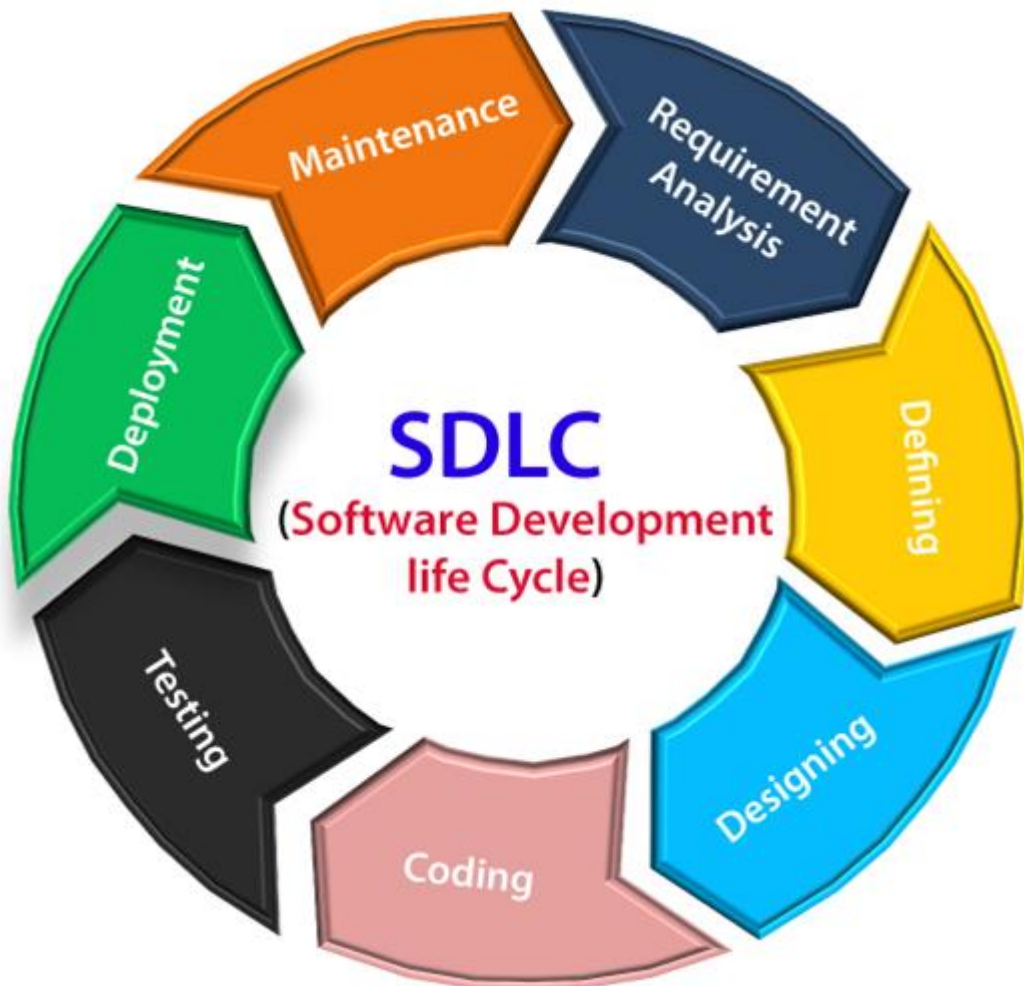


Figure 3.1 Software Development Life Cycle

With regards to generate our coaching management at first we build up a plan. We also explore the documents that are obligatory and important to significant our total plan. Moreover, we started working on designing the courses of actions that we will use to gain our prospective result. After that we implement our courses of action to create our coaching management. After completing our portal, we test it our system whether it is working or not. We have found some trouble at testing time and we have fixed all the problems. Then we feel the importance of maintenance which is a continuous process. It is the most important part for our coaching management. Although we do not have more time to work on further maintenance so that we will not working on maintenance. Though someone feels interest for working on this, they may work for further maintenance.

3.2 Hardware Provisions:

- Processor Speed:1.2GHZ or aloft.
- RAM: 1 GB RAM or aloft.
- Hard Disk: 50 GB hard disk or aloft.
- Processor: Intel dual core or aloft.

3.3 Software Requirements:

In our news portal website, we use some of technology to evolve.

Those are:

- Internet Browser
- MySQL
- Text Editor (ex: notepad, Sublime Text, Visual Studio)
- PHP 7
- HTML 5
- CSS
- Bootstrap 3
- Laravel framework 5.6

3.4 Use Case Diagram and Description

A use case is a written description of how users will perform tasks on your website. It outlines, from a user's point of view, a system's behavior as it responds to a request. Each use case is represented as a sequence of simple steps, beginning with a user's goal and ending when that goal is fulfilled.

3.4.1 Use Case Diagram (Admin and User)

Use case diagram is important for some other immature software system framework / programming. Use case diagram tells the general purpose but not the accurate way to get it started and not the basic (how) method to do it. It is possible to denote both textual and visual representation (such as UML) using cases once specified. A primary use case modeling principle is that it allows us to design the project criteria.

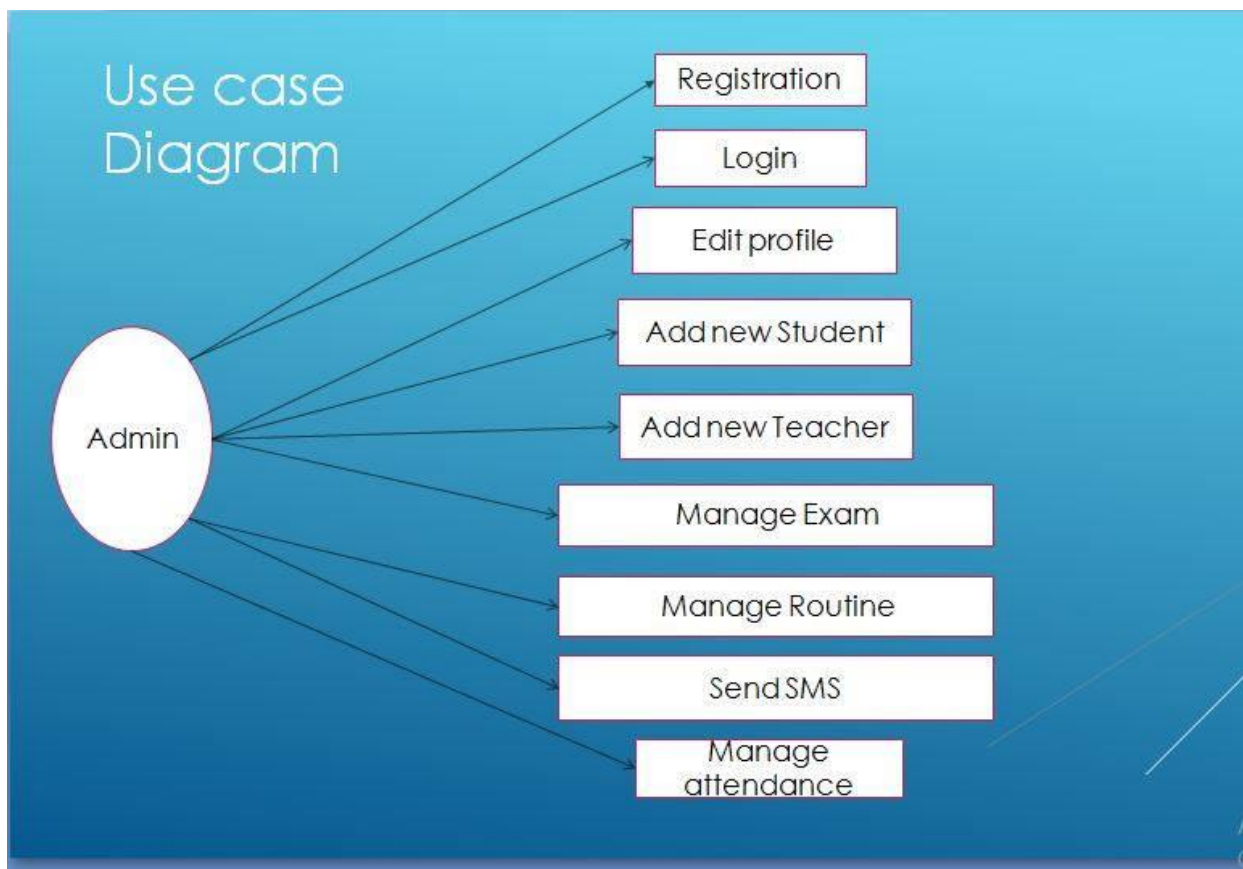


Figure 3.4.1 Use case diagram for admin

3.4.2 System Flow Diagram

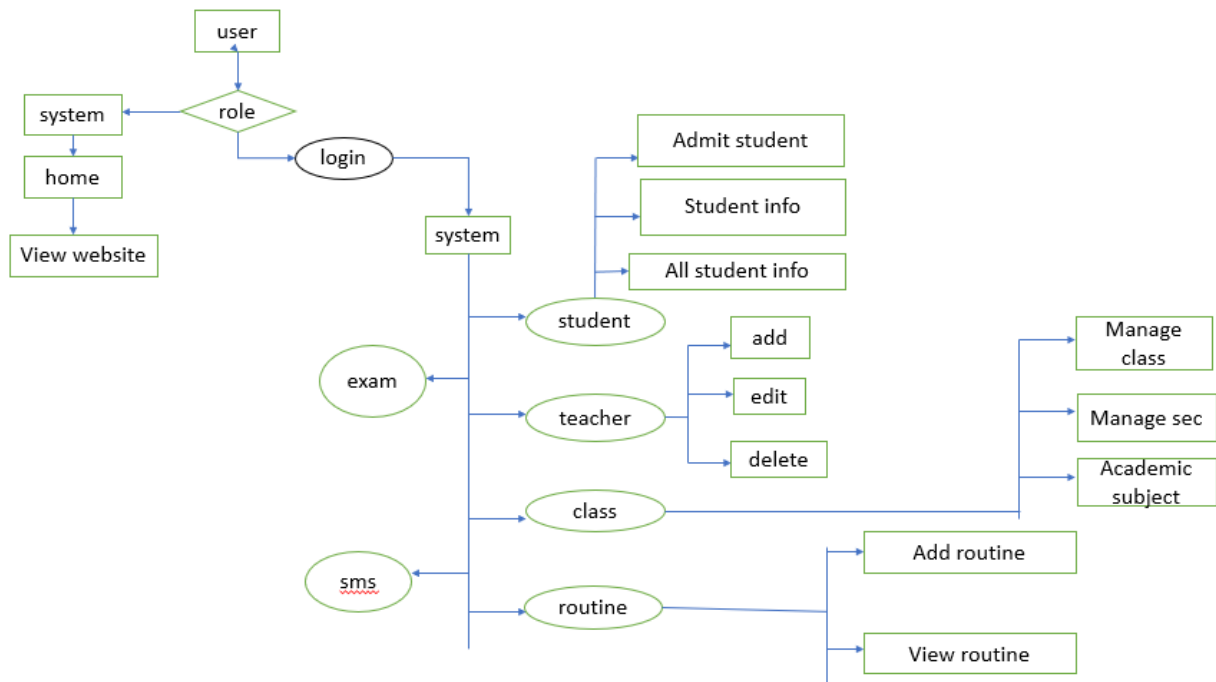


Figure 3.4.2 System flow diagram

3.4.3 ER Diagram

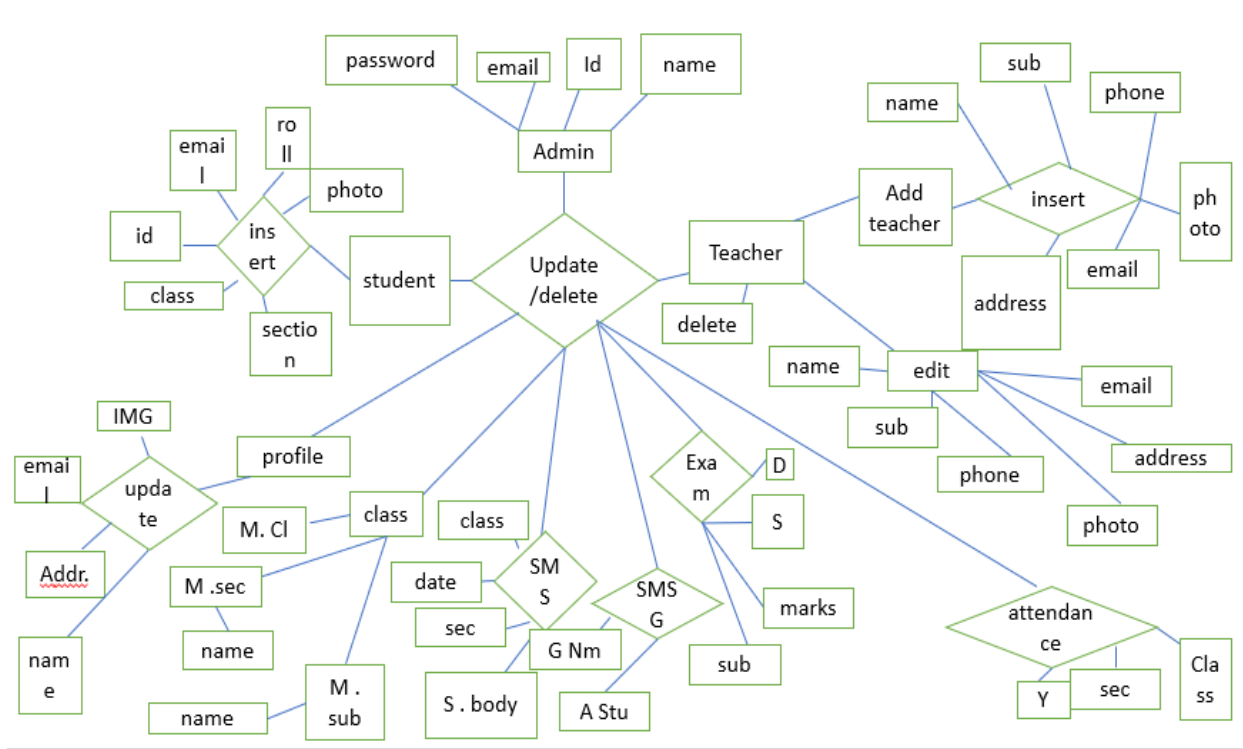


Figure 3.4.3 ER diagram

3.4.4 Context level DFD Diagram

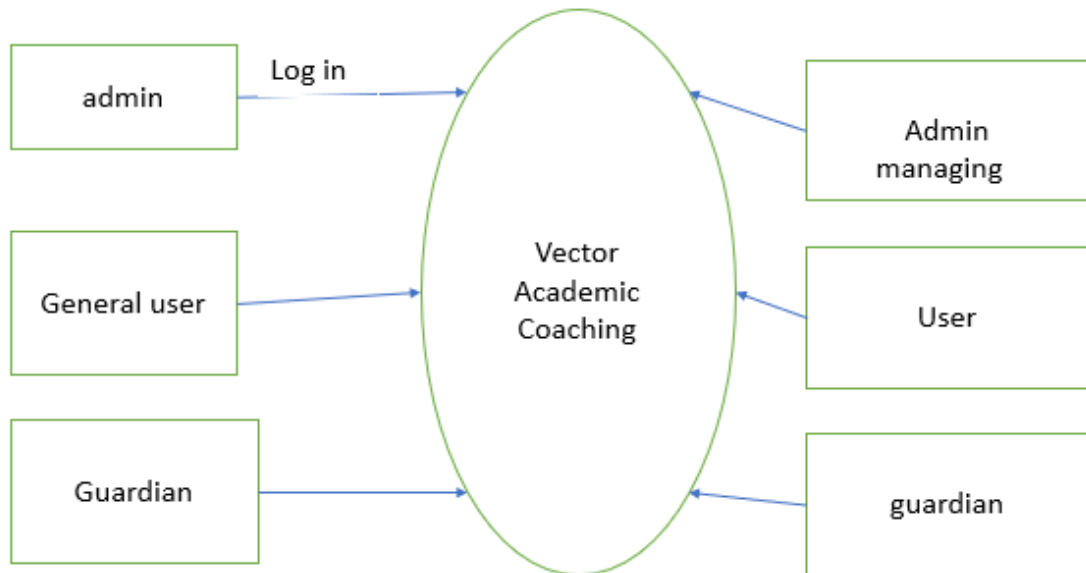


Figure 3.4.4 Context level DFD diagram

3.4.5 User Panel Design

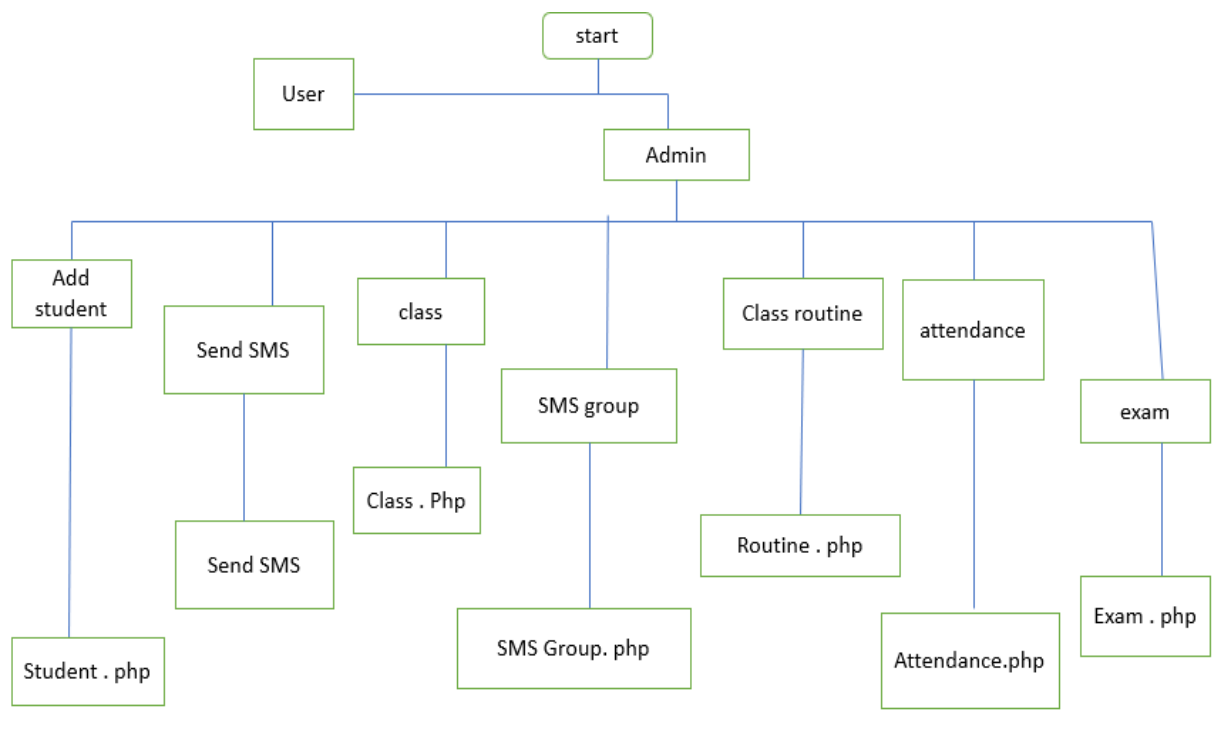


Figure 3.4.5 User panel design

3.4.6 Admin Panel Design

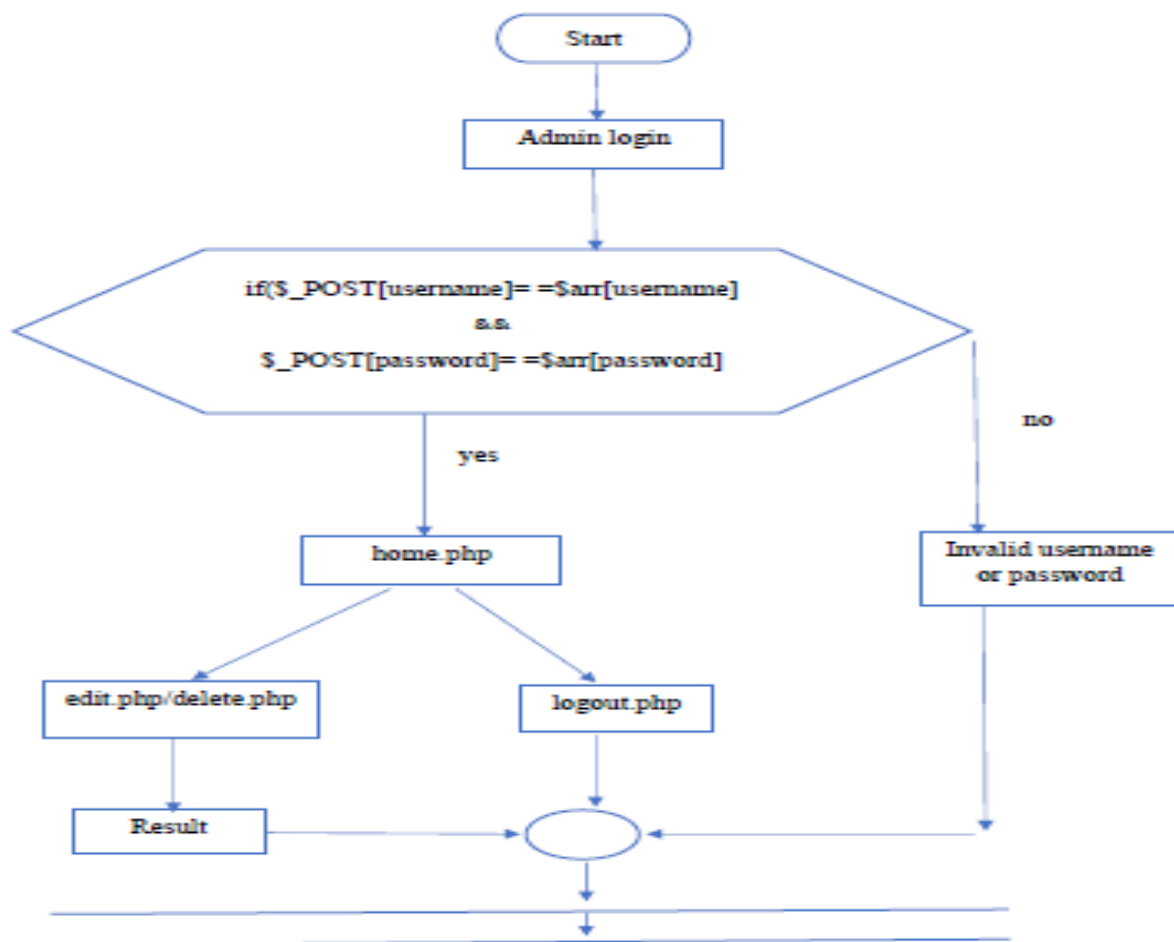


Figure 3.4.6 Admin panel design

3.5 Design Requirements

We provide many things so that it allows the users access our website quickly and conveniently. We felt certain important requirements that were necessary for our project at the time of growth. The key criteria are stated below:

- Easy to use
- Accuracy
- Flexible and user-friendly
- Efficiency
- Fast browsing speed
- Free for students and guardians
- Real-time website
- Compatible
- Increased site performance

Chapter 4

Design Specification

4.1 Front-End-Design:

Front-end design is the part of our project where admin and viewers (students and parents) can see the front view of our website.

HTML

- HTML Tags, Elements, Attributes, Headings, Paragraph, Line Breaks, Lists, Font, image Tables, Media and Charset.
- HTML Forms, Checkbox, Input, Text fields, Radio Button and Text, select option, divs etc.
- HTML5 Header, Footer, DOCTYPE, Canvas etc.

CSS

- Transform, Transition, Animation etc.
- Menu concept (Multiple, Single, Dropdown)
- Media query for responsive design
- Template Design using CSS div
- Advanced CSS (Border-radius, box, layer, display, float, position gradient)
- Google font
- Basic CSS (Selector, internal, class, external, inline, id, background, font, margin, Border, list CSS, color, hovering and elements)

Bootstrap

- Java Scripts
- Typography
- Fade effect
- Tables, Buttons, Forms, Images
- Button group, Dropdown
- Bootstrap card
- Flush
- Grid System
- Navigation Element

4.1.1 User/Guest home page

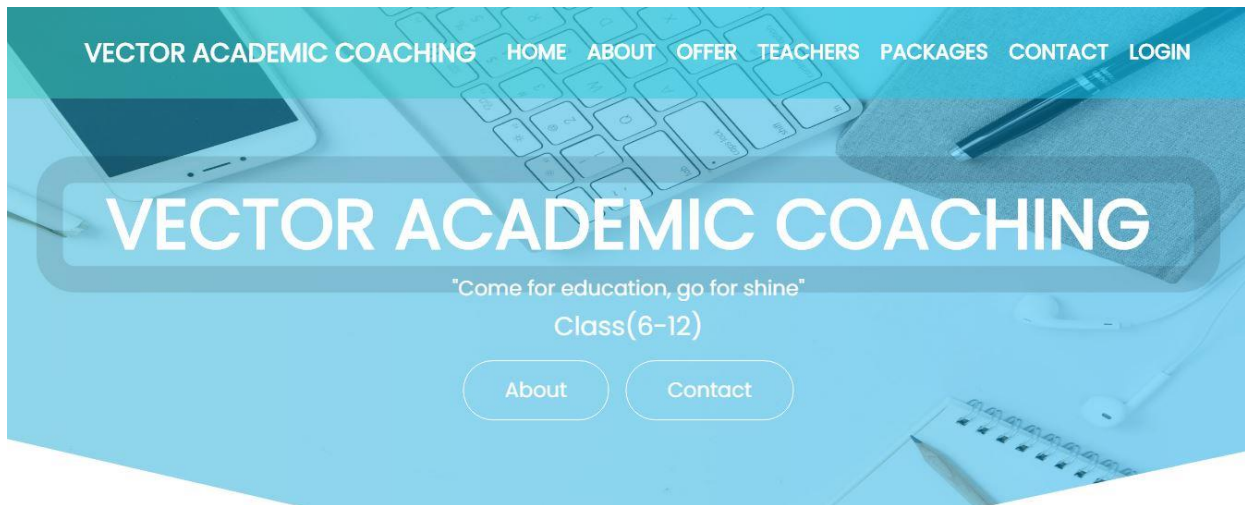


Figure 4.1.1 Home page

This is the Home Page of our Vector Academic Coaching. Viewers can see all information about the coaching. Viewers can use navigation bar list for their necessary information. Here is a login button for admin panel. Parents and students can easily contact with admin by using contact page.

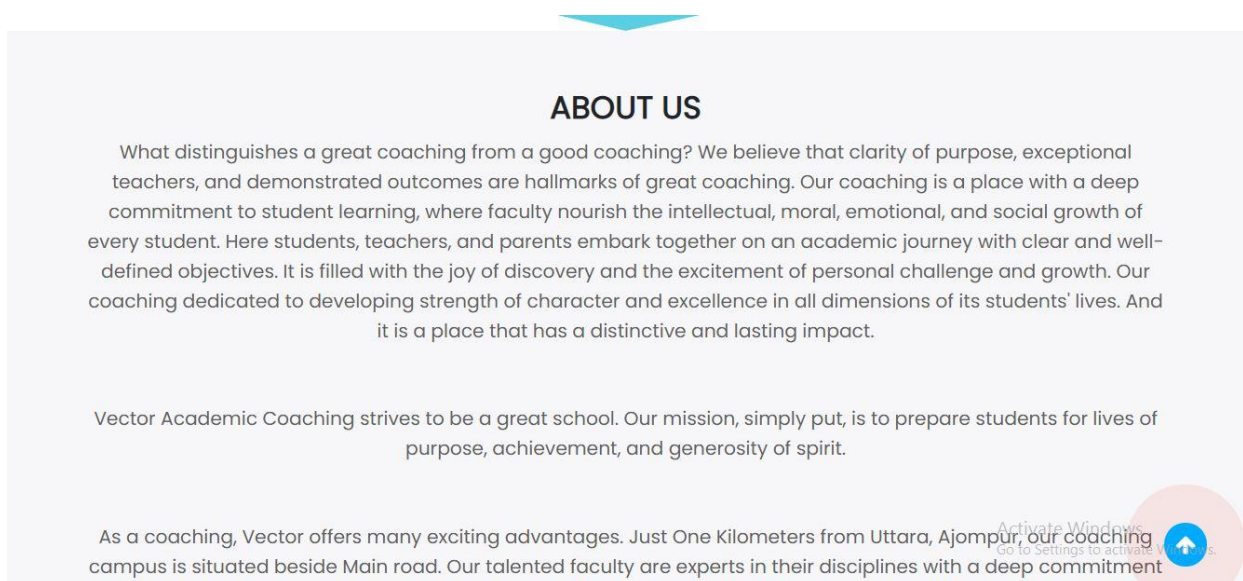


Figure 4.1.2 Home page



Figure 4.1.3 Home page

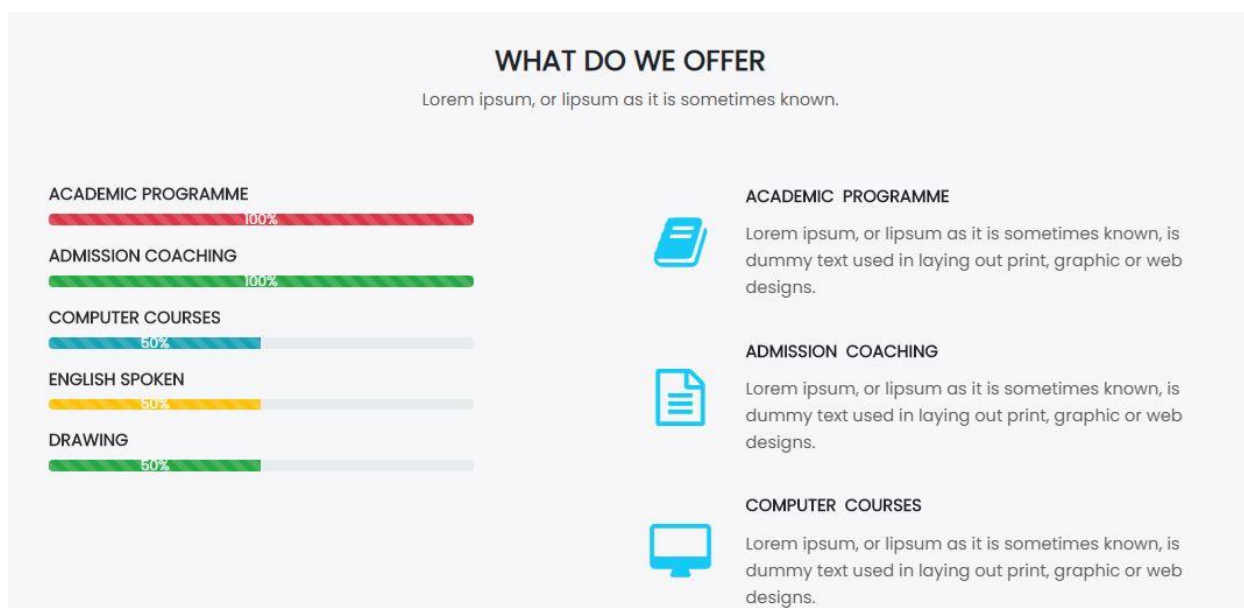


Figure 4.1.4 Home page

OUR EXPERIENCED TEACHERS



HASNAT APU

SUBJECT- GENERAL MATH
QUALIFICATION - BSC IN CSE.
INSTITUTION - DIU.



ABM TAJUDDIN

SUBJECT- GENERAL SUBJECT
QUALIFICATION - BSC IN CSE.
INSTITUTION - DIU.



ALI HOSSEIN

SUBJECT- HIGHER MATH
QUALIFICATION - BSC IN CSE.
INSTITUTION - DIU.



FAHMIDA AKTER

SUBJECT- ENGLISH
QUALIFICATION - MSC IN ENGLISH
INSTITUTION - JNU.



SUSHMITA ROY

SUBJECT- CHEMISTRY
QUALIFICATION - HONOURS IN
CHEMISTRY
INSTITUTION - JU.



MD. SIRAJ

SUBJECT- PHYSICS
QUALIFICATION - HONOURS IN
PHYSICS.
INSTITUTION - TITUMIR COLLEGE.

Figure 4.1.5 Home page

OUR SUCCESSFUL STUDENTS



**MEHEDI HASAN
SAOURAV**

GOT GOLDEN A+

SSC-2019

GROUP- SCIENCE



EMON KHAN

GOT GOLDEN A+

SSC-2019

GROUP- SCIENCE



LIMA AKTER

GOT GOLDEN A+

JSC-2019

GROUP-



HAFSA AKTER

GOT GOLDEN A+

SSC-2019

GROUP- SCIENCE



MD RIMON

GOT GOLDEN A+

SSC-2019

GROUP- SCIENCE



**REDOWAN HOSEN
DHRUBO**

GOT GOLDEN A+

SSC-2019

GROUP- COMMERCE



NOYON KHAN

GOT GOLDEN A+

SSC-2019

GROUP- COMMERCE



SADIKA AKTER

GOT GOLDEN A+

SSC-2019

GROUP- COMMERCE

Figure 4.1.6 Home page

OUR STUDENTS RECORD AND ACHIEVEMENT IN 2019

131

TOTAL STUDENT

13

HSC A+

10

SSC A+

18

JSC A+

Figure 4.1.7 Home page

COURSE PACKAGES

SCIENCE

TK 4000 /All Subject

- General Math
- Higher Math
- English
- Physics
- Chemistry
- Biology
- + Other subjects

Enroll Now

COMMERCE

TK 3500 /All Subject

- General Math
- English
- Accounting
- Finance and Banking
- Business Enterprise
- + Other subjects

Enroll Now

OTHERS

- TK 2500** JSC/Package
- TK 1000** HSC/Subject
- TK 800** SSC/Subject
- TK 500** (6-8)/Subject
- TK 1000** /Drawing
- TK 3000** /Spoken English

Enroll Now

Figure 4.1.8 Home page

OUR HAPPY GURDIANS

Our Satisfied Gurdians Says



Lorem ipsum, or lipsum as it is sometimes known, is dummy text used in laying out print, graphic or web designs.

Hasib sarker
Happy Gurdian



Lorem ipsum, or lipsum as it is sometimes known, is dummy text used in laying out print, graphic or web designs.

Mizanur Rahman
Happy Gurdian



Lorem ipsum, or lipsum as it is sometimes known, is dummy text used in laying out print, graphic or web designs.

Majedul Islam
Happy Gurdian

Figure 4.1.9 Home page

CONTACT US

We are Here To Help And Answer Any Question You Might Have. We Look Forward To Hearing From You.

Figure 4.1.10 Home page

SUBSCRIBE TO OUR NEWSLETTER

Figure 4.1.11 Home page

CONTACT US

PHONE
01832344865
01866058558

E-MAIL
hasanatapu4@gmail.com
sajpolash@gmail.com

NAVIGATION LINKS

- Home
- ABOUT
- OFFER
- TEACHERS
- PACKAGES
- CONTACT

NEWSLETTER

Lorem ipsum, or lipsum as it is sometimes known, is dummy text used in laying out print, graphic or web designs.

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Activate Windows
Go to Settings to activate Windows.

Figure 4.1.12 Home page

4.2 Back-end-Design

4.2.1 User login page:

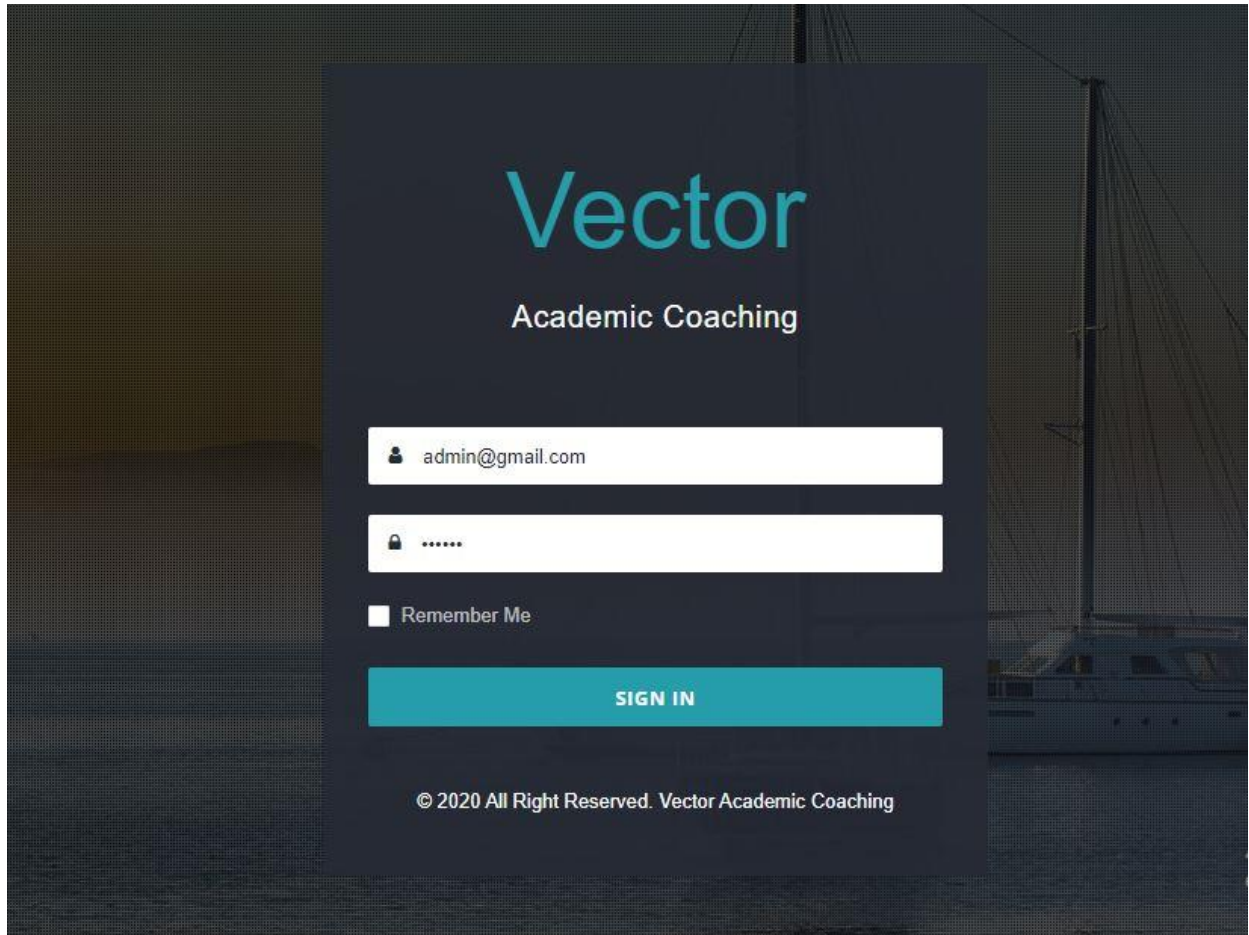


Figure 4.2.1 Login page

By using login page admin can login to dashboard so that admin can manage all the information of our coaching. Login page contains email and password, checkbox and footer.

4.2.2 : Dashboard

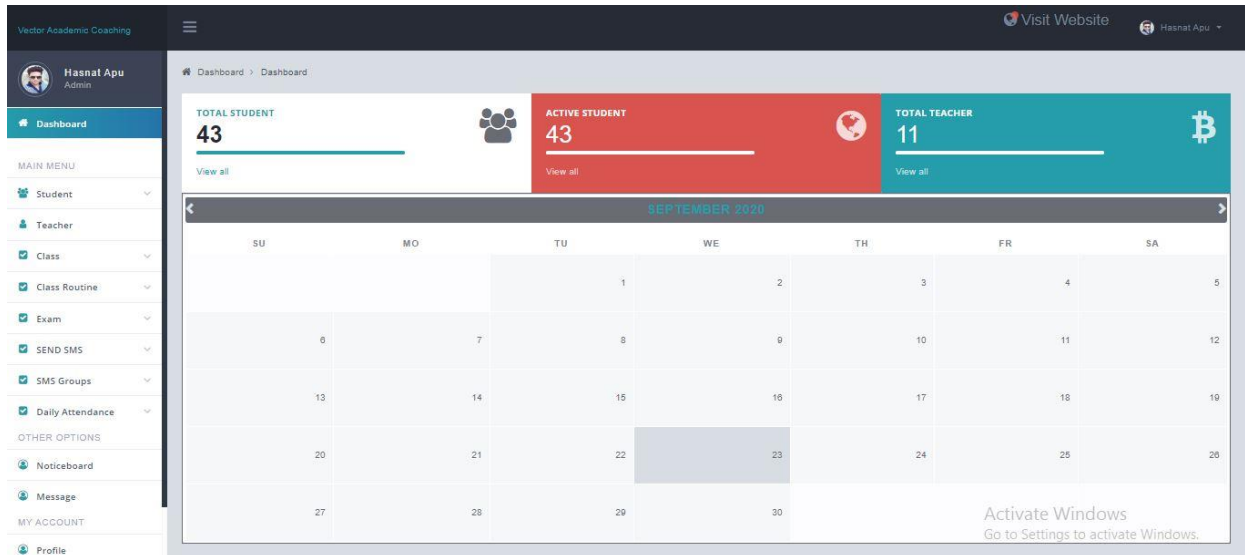


Figure 4.2.2 Dashboard

By using login page admin can directly go to the application dashboard and see all the managing features.

4.2.3 : Add students

The 'ADD STUDENT' form is designed to collect all necessary information for a new student. It includes dropdown menus for Class, Section, and Sessional Year. Text input fields are provided for the student's full name in both Bangla and English, their roll number, guardian and student mobile numbers, father's and mother's names, and email address. A file upload field for the student's photo is also present, with a 'Choose File' button and 'No file chosen' text. The form is part of the 'Manage Student' section of the dashboard.

Figure 4.2.3 Add students form

By providing all the information's of student admin can admit a new student.

Date Of Birth

Write Birthday

Gender

☒ Male

☐ Female

Present Address

Enter Home Name

Enter Village Name

Enter Post Office Name

Enter Police Station Name

Parmanent Address

Enter Village Name

Enter Post Office Name

Enter Police Station Name

Enter District Name

Institute Name

Enter Institute Name

Description

Write Description

Insert

Figure 4.2.3.1 Add students form

4.2.4 : Student Information

Dashboard > Manage Student

Class

SEVEN

Section

MORNING

Sessional Year

2020

Find Student

ALL STUDENT INFORMATION

SL	PHOTO	CLASS	ROLL NO	FULL NAME (BANGLA)	FULL NAME	FATHER NAME	MOTHER NAME	GUARDIAN MOBILE	STUDENT MOBILE	EMAIL	PRESENT ADDRESS	PERMANENT ADDRESS	INSTITUTE NAME	ACTIONS
1		SEVEN	1	Sagar	qe	md	ms	0188603455	019283	user@gmail.com	...	...		
2		SEVEN	2	Rahim	RAHIM	md	ms	0188603455	019283	user@gmail.com	...	...		
3		SEVEN	3	Anushka	Anushka akter	md	ms	0188603455	019283	user@gmail.com	...	...		

Figure 4.2.4 Students Information

For knowing individual student's information, we should select class, section and year we then will easily find that class student information.

4.2.5 All Student Information

Dashboard > Manage Student

Class

EIGHT

Sessional Year

2020

Find Student

ALL STUDENT INFORMATION

SL	PHOTO	CLASS	ROLL NO	FULL NAME (BANGLA)	FULL NAME	FATHER NAME	MOTHER NAME	GUARDIAN MOBILE	STUDENT MOBILE	EMAIL	PRESENT ADDRESS	PERMANENT ADDRESS	INSTITUTE NAME	ACTIONS
1		EIGHT	1	sakib	sakib	md	ms	0188603455	019283		...	...		Edit Remove
2		EIGHT	1	priya	d			0188603455			...	...		
3		EIGHT	2	musfiq	musfiq			0188603455			...	...		
4		EIGHT	2	rahima				0188603455			...	...		
5		EIGHT	3	sunny	Apu	md	ms	0188603455	019283		...	...		
6		EIGHT	3	reza	d			0188603455			...	...		

Activate Windows
Go to Settings to activate Windows.

Figure 4.2.5 All Student Information

By selecting separate class and sessional year we will those specially class student's information and here also edit student information.

4.2.6 All Teacher Information

Dashboard > Manage Teacher

ALL TEACHER								+ ADD NEW TEACHER
SL	PHOTO	NAME	SUBJECT	PHONE	EMAIL	ADDRESS	DESCRIPTION	ACTIONS
1		HASNAT APU	G. MATH	01832344885	hasanatapu4@gmail.com	CHALABON, Dhaka-1230		 
2		ALI HOSEN	H. MATH	01934647375	sajpolash@gmail.com	CHALABON, Dhaka-1230		 
3		A B M TAJ UDDIN	GENERAL SUBJECT	01794594043	nbshawon@gmail.com	CHALABON, Dhaka-1230		 
4		SIRAJ	PHYSICS	01794594043	SIRAJ4@gmail.com	CHALABON, Dhaka-1230		 
5		FAHMIDA	ENGLISH	01794594043	FAHMIDA8579@gmail.com	CHALABON, Dhaka-1230		 
6		SUSHMITA	CHEMISTRY	01934647375	SUSMITA@gmail.com	CHALABON, Dhaka-1230		 
7		NILOY	BIOLOGY	01794594043	NILOY78@GMAIL.COM	CHALABON, Dhaka-1230		 
8		HIMU	ACCOUNTING	01794594043	HIM099@gmail.com	CHALABON, Dhaka-1230		 
9		ONU	FINANCE	01832344885	ONU8889@gmail.com	CHALABON, Dhaka-1230		 
10		SAGOR	ICT	01794594043	SAO90@gmail.com	CHALABON, Dhaka-1230		 
11		FAISAL	MANAGEMENT	01794594043	FASO90@GMAIL.COM	CHALABON, Dhaka-1230		 

Activate Windows
Go to Settings to activate Windows.

Figure 4.2.6 Teachers Information

In this place, all the class teacher's information is here and we can also delete any teachers by this process.

4.2.7 Manage Class

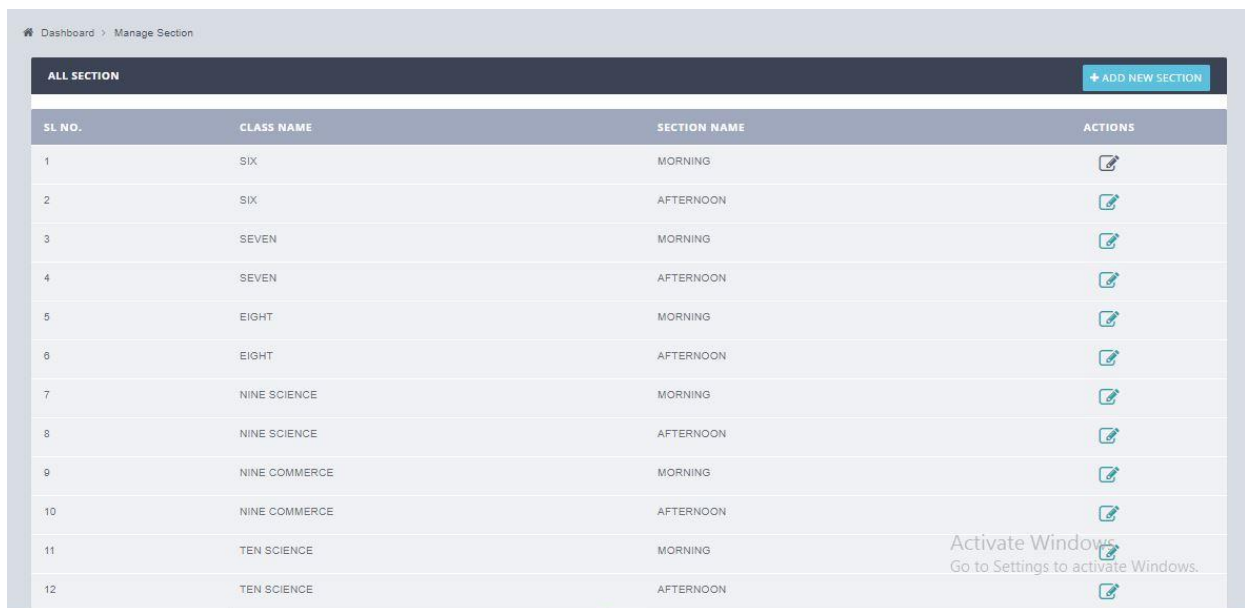
Dashboard > Manage Class

ALL CLASSES			+ ADD NEW CLASS
SL NO.	CLASS NAME	ACTIONS	
1	SIX		
2	SEVEN		
3	EIGHT		
4	NINE SCIENCE		
5	NINE COMMERCE		
6	TEN SCIENCE		
7	TEN COMMERCE		
8	ELEVEN SCIENCE		
9	ELEVEN COMMERCE		

Figure 4.2.7 Manage Classes

Overall class from six to twelve are found here and also add new class by this process.

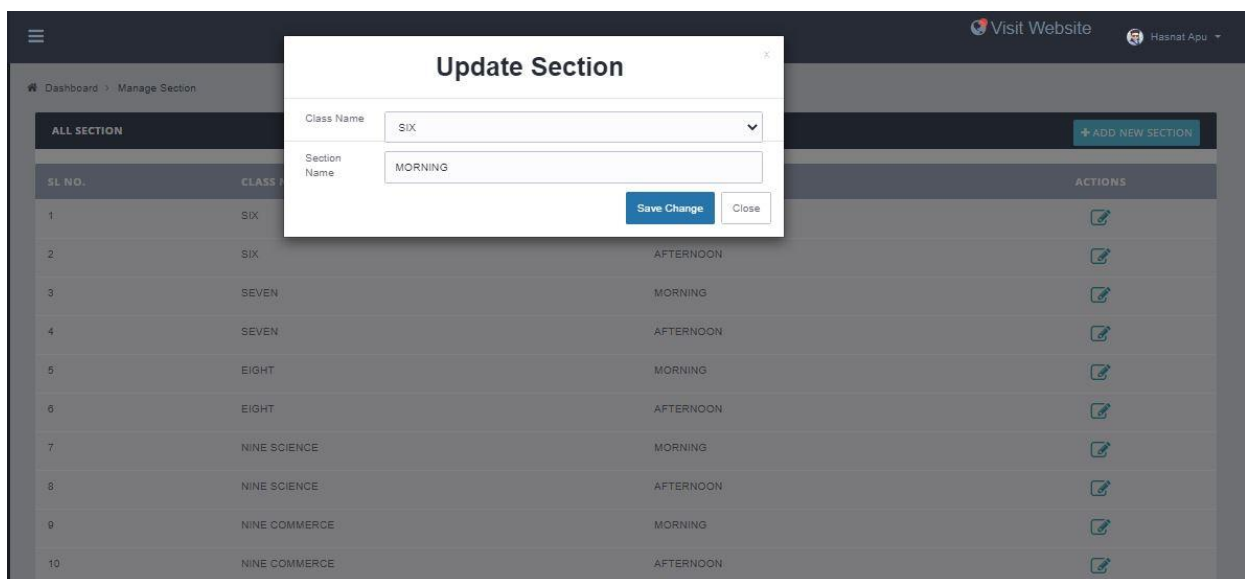
4.2.8 Manage Sections



The screenshot shows a web application interface for managing sections. At the top, there is a breadcrumb trail: "Dashboard > Manage Section". Below this is a dark header bar with the text "ALL SECTION" on the left and a blue button labeled "+ ADD NEW SECTION" on the right. The main content area contains a table with the following columns: "SL NO.", "CLASS NAME", "SECTION NAME", and "ACTIONS". The table lists 12 sections, alternating between "MORNING" and "AFTERNOON" sessions for classes SIX, SEVEN, EIGHT, and NINE. The "ACTIONS" column contains a pencil icon for each row. A watermark "Activate Windows. Go to Settings to activate Windows." is visible in the bottom right corner of the table area.

SL NO.	CLASS NAME	SECTION NAME	ACTIONS
1	SIX	MORNING	
2	SIX	AFTERNOON	
3	SEVEN	MORNING	
4	SEVEN	AFTERNOON	
5	EIGHT	MORNING	
6	EIGHT	AFTERNOON	
7	NINE SCIENCE	MORNING	
8	NINE SCIENCE	AFTERNOON	
9	NINE COMMERCE	MORNING	
10	NINE COMMERCE	AFTERNOON	
11	TEN SCIENCE	MORNING	
12	TEN SCIENCE	AFTERNOON	

Figure 4.2.8 .1 All Section

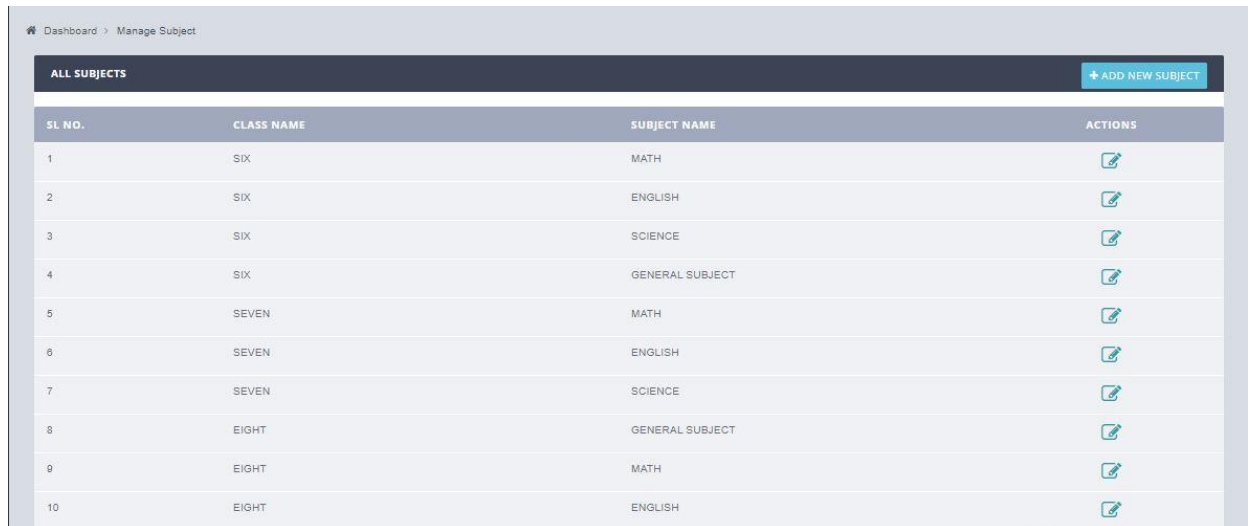


The screenshot shows the same "Manage Sections" dashboard as Figure 4.2.8 .1, but with a modal form titled "Update Section" open in the center. The modal has a close button (X) in the top right corner. It contains two input fields: "Class Name" with a dropdown menu showing "SIX", and "Section Name" with a text input showing "MORNING". Below these fields are two buttons: "Save Change" (blue) and "Close" (white). The background dashboard is dimmed.

Figure 4.2.8 .2 Update Section

For finding all class section we should will go here. We can also manage section and update section.

4.2.9 Academic Subject



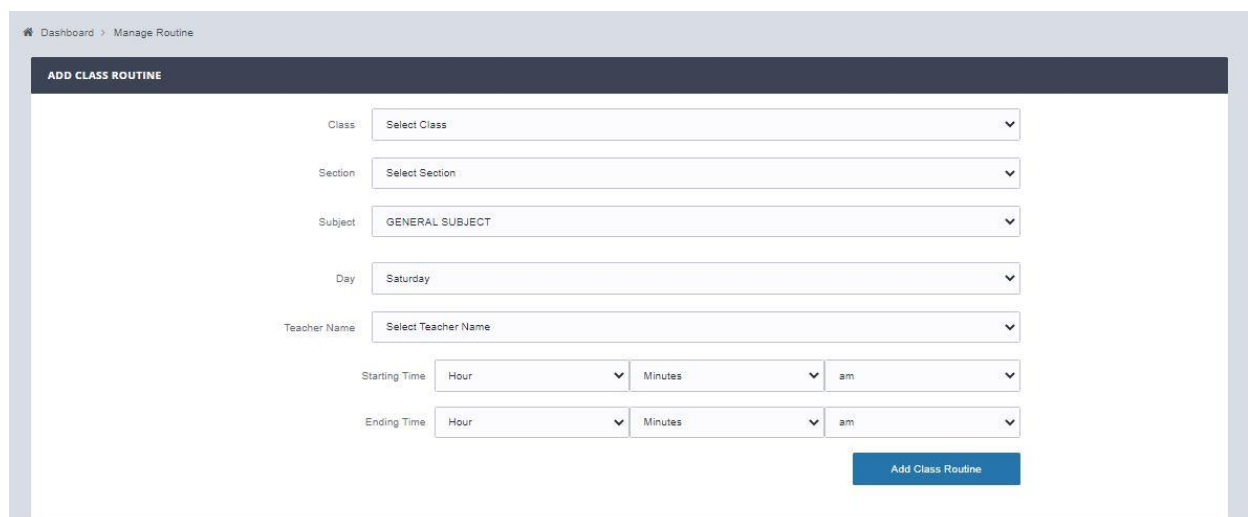
The screenshot shows a web interface for managing subjects. At the top, there is a breadcrumb trail 'Dashboard > Manage Subject' and a button '+ ADD NEW SUBJECT'. Below this is a table titled 'ALL SUBJECTS'. The table has four columns: 'SL NO.', 'CLASS NAME', 'SUBJECT NAME', and 'ACTIONS'. There are 10 rows of data, each representing a subject. Each row has an edit icon in the 'ACTIONS' column.

SL NO.	CLASS NAME	SUBJECT NAME	ACTIONS
1	SIX	MATH	
2	SIX	ENGLISH	
3	SIX	SCIENCE	
4	SIX	GENERAL SUBJECT	
5	SEVEN	MATH	
6	SEVEN	ENGLISH	
7	SEVEN	SCIENCE	
8	EIGHT	GENERAL SUBJECT	
9	EIGHT	MATH	
10	EIGHT	ENGLISH	

Figure 4.2.9 All Subject

If we want to know all subject, we firstly login and will find manage subject and then clicking get all academic subject.

4.2.10 Class Routine



The screenshot shows a web interface for adding a class routine. It features a form with several dropdown menus and time selection fields. The fields are: 'Class' (Select Class), 'Section' (Select Section), 'Subject' (GENERAL SUBJECT), 'Day' (Saturday), 'Teacher Name' (Select Teacher Name), 'Starting Time' (Hour, Minutes, am), and 'Ending Time' (Hour, Minutes, am). There is a blue button 'Add Class Routine' at the bottom right.

Class	Select Class	▼	
Section	Select Section	▼	
Subject	GENERAL SUBJECT	▼	
Day	Saturday	▼	
Teacher Name	Select Teacher Name	▼	
Starting Time	Hour	Minutes	am
Ending Time	Hour	Minutes	am

Add Class Routine

Figure 4.2.10.1 Add class routine

For adding class routine, we should fill up all this information.

Dashboard > Class Routine

ALL CLASS ROUTINE [ADD CLASS ROUTINE](#)

Class:

[View Routine](#)

CLASS	SUBJECT	TEACHER	DAY	STARTING TIME	ENDING TIME	ACTIONS
SIX	GENERAL SUBJECT	A B M TAJ UDDIN	Saturday	3-0-pm	4-0-pm	*
SIX	MATH	HASNAT APU	Saturday	8-0-am	9-0-am	*
SIX	GENERAL SUBJECT	A B M TAJ UDDIN	Saturday	7-0-am	8-0-am	*

Figure 4.2.10.2 View class routine

After selecting individual class, we will find view routine.

4.2.11 Manage Exam

Dashboard > Daily Exam Mark Manage

Class: Section: Sessional Year: [Manage Marks](#)

DAILY EXAM MARK MANAGE

Daily Exam Result Sheet
Class: SEVEN || Section: MORNING || Session: 2020

Subject: Total Marks:

Date: Highest Marks:

SL NO.	ROLL NO.	STUDENT NAME	CARD HOLDER MARKS
1	1	Sagar	Card Holder Marks
2	2	Rahim	Card Holder Marks
3	3	Anushka	Card Holder Marks

Figure 4.2.11.1 Input exam marks

Dashboard > View and Send Marks By Sms

Class: SEVEN Section: MORNING Sessional Year: 2020 Exam Date: 23/06/2020

Manage Daily SMS

VIEW AND SEND MARKS BY SMS

Vector Academic Coaching
Daily Exam Result Sheet

EXAM DATE	ROLL NO.	EXAM NAME	TOTAL MARKS	CARD HOLDER MARKS	HIGHEST MARKS
23/06/2020	1	MATH	100	80	80
23/06/2020	2	MATH	100	78	80
23/06/2020	3	MATH	100	77	80

Send Marks by SMS

Figure 4.2.11.2 View marks

For searching exam marks select subject, total marks, date and highest marks we will show exam marks.

4.2.12 SMS Management

Dashboard > Send Parent SMS

SEND PARENT SMS

Class: Select Class

Section: Select Section

Sessional Year: 2020

Write SMS: Write Message ...

Send

Figure 4.2.12.1 Send SMS to parents

We do send SMS in our student's parents. This is also help for improving our students attentively in time and no missed class.

Dashboard > Send Student SMS

SEND STUDENT SMS

Class: SEVEN

Section: MORNING

Sessional Year: 2020

Write SMS: Write Message ...

Send

Figure 4.2.12.2 Send SMS to students

Not only parents get this opportunity but also students get their attendance report.

Choose Teacher

☐ HASNAT APU

☐ ALI HOSEN

☐ A B M TAJ UDDIN

☐ SIRAJ

☐ FAHMIDA

☐ SUSHMITA

☐ NILOY

☐ HIMU

☐ ONU

☐ SAGOR

☐ FAISAL

Write SMS: Write Message ...

Send SMS

Activate Windows
Go to Settings to activate Windows.

Figure 4.2.12.3 Send SMS to teachers

Individual class teachers are also find their students attendance report by this website.

Dashboard > Send SMS

SEND SMS ANYONE

Phone Number
If Multiple SMS Send, write comma Separate Number (01700000000,01900000000)

Message

[SMS SEND](#)

Figure 4.2.12.4 Send SMS to anyone

If we are willing to send SMS anyone we will do easily by this process.

Dashboard > SMS Managements

ALL SMS GROUPS [ADD NEW SMS GROUP](#)

ALL SMS GROUPS

SL NO.	GROUP NAME	ACTION
1	Active Students Group 2	Edit Delete View All Student
2	Absent Group 0	Edit Delete View All Student
3	Weak Group 2	Edit Delete View All Student

Figure 4.2.12.5 SMS Groups

SMS also will be sent individual group and they also find better opportunity.

Dashboard > SMS Group Add Student

Class: NINE COMMERCE | Section: MORNING | Sessional Year: 2020 | Manage Attendance

GROUP ADD STUDENT

Student Add to Group
Class: NINE COMMERCE || Section: MORNING || Session: 2020

Group Name: Active Students Group

	SL NO.	ROLL	NAME	STUDENT NUMBER	GUARDIAN NUMBER
☐	1	1	taj		0180003455
☐	2	2	Apu		0180003455

Submit

Figure 4.2.12.6 Add students in SMS groups

After requesting any student, we can also add them their choice SMS group.

4.2.13 Attendance System

Dashboard > Attendance Of Class

Class: SIX | Section: Select Section | Sessional Year: 2017 | Manage Attendance

ATTENDANCE

Attendance For NINE SCIENCE
Section: MORNING || Date: 2020-09-29

SL NO.	ROLL	NAME	STATUS
1	1	abu kalam	☒ Present ☐ Absent
2	2	karima	☐ Present ☒ Absent

Submit

Figure 4.2.13 Managing daily attendance

We can attendance all class students by this system. This can occur when select individual class, section and year.

4.3 Interaction design and UX

My System will be going to help train travelers, especially a part of current train location information. Most of the traveler wants to get train information easily but they don't get those types of services. So, I am not only provided online help services but also with 100% take care of them. I can guarantee my system will give you this type of service with quality. My system provides users valuable time to save, guidelines, quality, and accuracy. With the reliable form and security of all information about my system.

4.4 Implementation Requirements

We discuss all the technical requirements previously. If every portion is ready than I surely start the implementation of our system.

CHAPTER 5

IMPLEMENTATION AND TESTING

5.1 Implementation of Database:

It is the procedure of database software installation, testing, running, integrating with application and training the user. It also provides information of our web pages meanwhile it calls. The database table of our project as stated below.

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
☐ attendances	★ Browse Structure Search Insert Empty Drop	24	InnoDB	utf8mb4_unicode_ci	80.0 KiB	-
☐ categories	★ Browse Structure Search Insert Empty Drop	9	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
☐ daily_results	★ Browse Structure Search Insert Empty Drop	33	InnoDB	utf8mb4_unicode_ci	80.0 KiB	-
☐ groups	★ Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
☐ group_details	★ Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_unicode_ci	48.0 KiB	-
☐ messages	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
☐ migrations	★ Browse Structure Search Insert Empty Drop	30	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
☐ password_resets	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
☐ result_masters	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	80.0 KiB	-
☐ result_master_details	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
☐ routines	★ Browse Structure Search Insert Empty Drop	21	InnoDB	utf8mb4_unicode_ci	96.0 KiB	-
☐ students	★ Browse Structure Search Insert Empty Drop	45	InnoDB	utf8mb4_unicode_ci	1.6 MiB	-
☐ subcategories	★ Browse Structure Search Insert Empty Drop	18	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
☐ subjects	★ Browse Structure Search Insert Empty Drop	52	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
☐ teachers	★ Browse Structure Search Insert Empty Drop	11	InnoDB	utf8mb4_unicode_ci	544.0 KiB	-
☐ users	★ Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
16 tables	Sum	251	InnoDB	utf8mb4_general_ci	2.7 MiB	0 B

Figure 5.1.1 Database Table

5.2 Implementation of Front-end Design

In chapter 4 there are the design for the front end and also talk about page works. This system is implement overall the design and permutation between design and back-end by HTML and CSS.

5.3 Implementation of Interactions

It is an action which is influenced by other action. In our system, the interaction between the design is a pathway of JavaScript and PHP backend and database. PHP used for server side; HTML, CSS and JS are used for client side. The interaction of the article is very fast and smooth. Different implementations might exist for a given particular.

5.4 Testing Implementation

5.4.1 Unit Testing

Unit Testing Unit testing is also known as component testing. primarily, it is used individual modules are tested to determine if there are issue by the developer himself/herself. that's way we find out our own start errors.

5.4.2 Integration Testing

Integration testing is the second level of software testing. We have the brief achieved that front-end model. After that we have surrounded the back-end prefix. Then simply we have looked if any specific procedure of theme is without a doubt harmed. As well as looked every one so that user interface runs totally and not even.

5.4.3 Functional Testing

Functional testing is a kind of black-box testing that is performed to confirm that the functionality of an application or system is behaving as expected. It is done to verify all the functionality of an application. Now we have full filled up all of the initial dependence on this special task and as well as all of the features tend to be examined individually. Functional testing scenarios should be developed as early as possible during the process of specifying requirements. Functional testing describes what the system does, as opposed to what the system should do. It is in the difference between those two points that functional testing has its purpose.

5.4.4 System Testing

System testing is a level of testing that validates the complete and fully integrated software product. The purpose of a system test is to evaluate the end-to-end system specifications. System testing might check that every kind of user input produces the intended output across the application.

5.4.5 Usability Testing

Usability testing refers to evaluating a product or service by testing it with representative users. Typically, during a test participant will try to complete typical tasks while observers watch, listen and takes notes. And we have examining with different end user and find the practical knowledge within the urinary incontinence in addition to the amount of they will find the way simply.

5.5 Test Result

Many of us here performed different method of test out only keep up for various intent. After then we realize each of the test out there are innumerable effects. Test result concludes the software test life cycle, thus allowing us to look into the facts and figures and progressively plan the subsequent activities.

5.6 Summary

In this section many of us completed a few essential implementations as well as screening. Just right here many of us learn regarding execution associated with data source within PHP construction. All of us determined this right here simply because without having data source execution displaying it's difficult for you to recognize as well as realize this program within PHP construction. Moreover, we caused numerous points for example, real time admin access interpersonal sign in that is therefore difficult to comprehend without having viewing the actual execution. With regard to protection objective all of us do various kinds associated with screening what exactly are extremely important for any task. On this end most of us additionally exhibit the end result as well as talked about this.

Chapter 6

Conclusion and Future Work

6.1 Discussion and Conclusion

By doing a lot of hard work in our project, it will pleasure to declare that this vector academic coaching management has been created and elaborate not only for the real-time user but also for various purposes which will be highly motive for the users. It is so much popular at present time and popularity is highly increasing. Since we have created it free for them that why people will not have to pay any money. In this project we have completed partially after then many important features and other related object will be added in future. We have a lot of opportunity in where we can add our future work. Although greater portion of the requirements have been fulfilled in this report but we have found some end as well. Overall we can say that our vector academic coaching management system is far better than any other coaching management since we have differentiated and added a lot of new features.

6.2 Opportunity for Further Developments

In our project there are some opportunities to add important and useful features which are not added in other coaching management still. If any people want to work on this project, he/she has some scope to work on it for more development. Some key features are as stated below which can be added in future.

- ✓ Google map can be added
- ✓ Transport system can be added
- ✓ Accounts section can be included

References

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<https://www.youtube.com/watch?v=ISJvEcDzxBo> >>[last accessed on 03-07-2020 at 09:30pm].
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<https://www.youtube.com/watch?v=F9lTFpY8lhs> >>[last accessed on 03-08-2020 at 10:30pm].
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- [11] Wikipedia available at: <<https://en.wikipedia.org/wiki/Unit_testing>>[last accessed on 08-03-2020 at 12:00am].

APPENDIX

This plagiarism checking report shown in below:

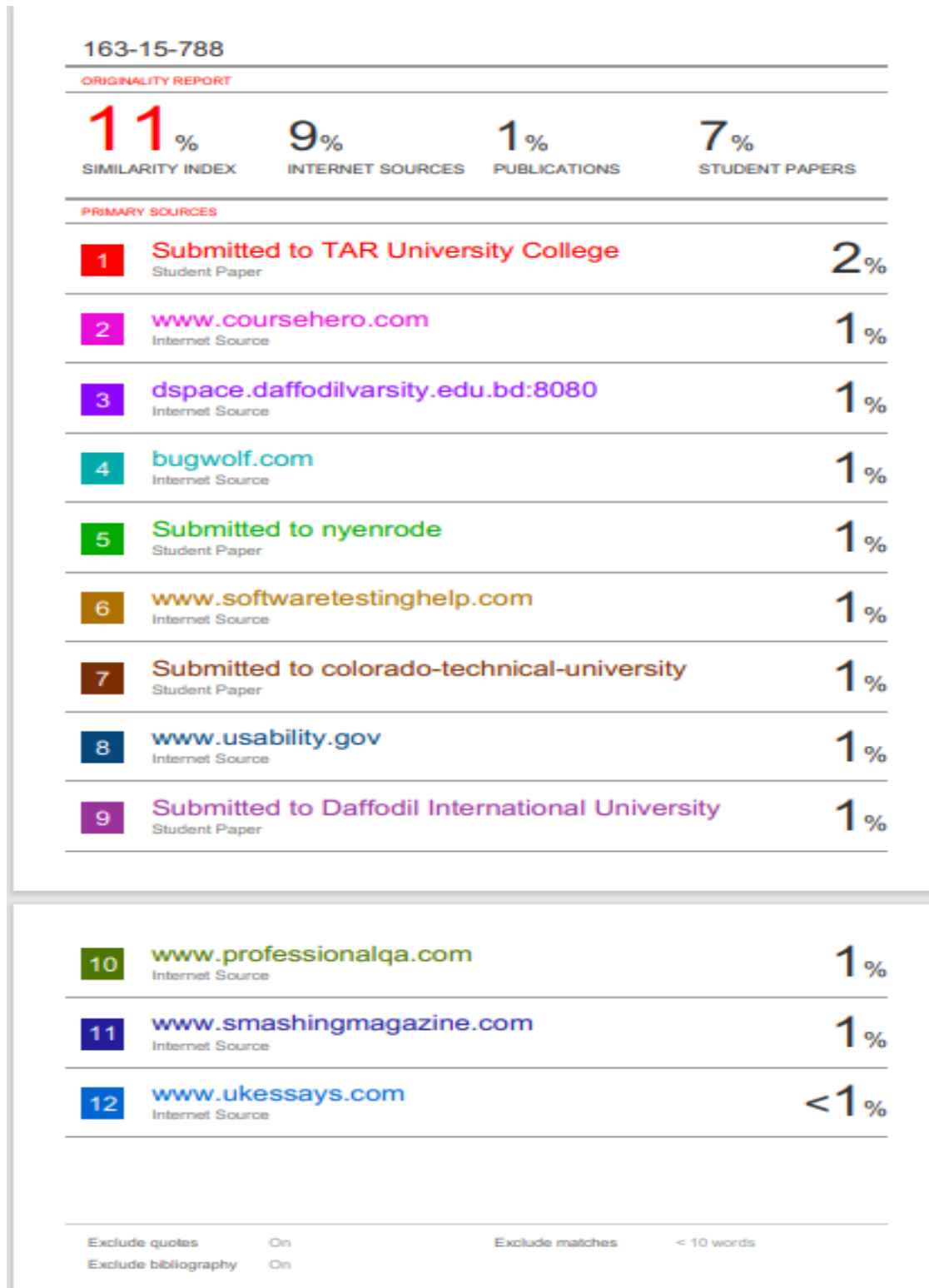


Figure 6.1.1 Plagiarism Report