

# **EDUSPIRE**

## **A Project Report**

Submitted in partial fulfilment of the Requirements for the  
award of the Degree of

**BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)**

**By**

Sneha Jairam Nawar

154

**Under the esteemed guidance of**  
**Ms. Larissa Pegado**



**DEPARTMENT OF INFORMATION TECHNOLOGY**  
**PTVA's SATHAYE COLLEGE(AUTONOMOUS)**  
*(Affiliated to University of Mumbai)*  
**MUMBAI, 400057**  
**MAHARASHTRA**  
**2022-2023**

## **PROFORMA FOR THE APPROVAL PROJECT PROPOSAL**

**PNR No.:** .....

**Roll no.** 154

1. Name of the Student

Sneha Jairam Nawar

2. Title of the Project

Eduspire

3. Name of the Guide

Ms. Larissa Pegado

4. Teaching experience of the Guide \_\_\_\_\_

5. Is this your first submission? Yes  No

Signature of the Student

Date: .....

Signature of the Guide

Date: .....

Signature of the Coordinator

Date: .....

**PTVA's SATHAYE COLLEGE(AUTONOMOUS)**

*(Affiliated to University of Mumbai)*

**MUMBAI-MAHARASHTRA – 400057**

**DEPARTMENT OF INFORMATION TECHNOLOGY**



**CERTIFICATE**

This is to certify that the project entitled, "**E-Learning and Resume Building Website**" is bonafied work of **Sneha Jairam Nawar** bearing Seat. No: \_\_\_\_\_ submitted in partial fulfilment of the requirements for the award of degree of **BACHELOR OF SCIENCE** in **INFORMATION TECHNOLOGY** from University of Mumbai.

**Internal Guide**

**Coordinator**

**External Examiner**

**Date:**

**Seal**

**College**

## **ABSTRACT**

The project is mainly developed for students who face a few difficulties in attending offline lectures due to some reason. Users can access lectures from anywhere and at any time. Recorded videos of lectures will also be provided. To recollect the knowledge and know everything in a better way. This platform is a compact version of 3 in 1 website, where the users will be assigned an aptitude test after completion of a selected course and a resume will be built based on test and interest. **Eduspire** will be a good platform for all users.

The E-Learning System saves traveling time and contributes to nature by learning online as papers are not in use. Users also need not get bothered about the remembrance of passwords from many websites. And access to all recorded videos will be given to each user for better understanding.

## **ACKNOWLEDGEMENT**

I would like to express my sincere gratitude towards the Information and Technology Department of Sathaye College.

After working so hard for months, finally, I am very excited to present my final year project. The project work was full of new experiences and learning and a bit difficult too. We would personally like to Thank and acknowledge all who made our project possible and successful. It is my earnest endeavour to express my sincere regards to the faculty for their kind cooperation, help, and never-ending support.

Firstly, we would take the opportunity and would like to thank our professor **Ms. Larissa Pegado** for her continuous support and encouragement, without which the successful completion of this project would have been impossible. Though it was a very difficult job they made it simpler with timely guidance which helped us greatly in completing our project.

Without her encouragement, constant guidance, interest, and innovative ideas, we would not finish this project. Without her vast knowledge of programming language and various aspects of software development, we would have been unable to accomplish the task of completing this project.

Last but not least I would like to thank all other professors of the Information Technology Department of Sathaye College and every individual who directly and indirectly helped me in this project.

**~Thank You!**

## **DECLARATION**

I hereby declare that the project entitled, "**E-Learning and Resume Building Website**" done at **place where the project is done**, has not been in any case duplicated to submit to any other university for the award of any degree. To the best of my knowledge other than me, no one has submitted to any other university.

The project is done in partial fulfilment of the requirements for the award of degree of **BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)** to be submitted as final semester project as part of our curriculum.

(Sneha Jairam Nawar)

**Name and Signature of the Student**

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# CHAPTER 1

## INTRODUCTION



[1]

### 1.1 Background

In this new era of electronics, we know the concept of E-learning which does not include the usage of paper and pen. E-learning is a type of learning conducted digitally via electronic media, typically involving the internet [2]. Nowadays educational institutes are also implementing E-learning in the form of Robomate apps and the government is endorsing E-learning systems.

Therefore, we are introducing “*Eduspire*” (online/E-learning and resume building website) which means Educate + Inspire. This website is similar to E-learning platforms and is a combination of other multiple services regarding skills development. Basically, this website will offer various certificate courses, and MCQ tests and will help build resumes for users which will be available on the drive for easy access. As it is a website it will not require system specifications and is suitable for desktops and smartphones as well. It will also generate a unique QR code on the Certificate. This is how Eduspire website will help users to develop skills more easily and smartly.

Some of the existing systems which provide similar facilities/services are as follows: -

1. For E-learning  
[www.bitclass.live](http://www.bitclass.live)  
[www.geeksforgeeks.org](http://www.geeksforgeeks.org)  
[www.javatpoint.com](http://www.javatpoint.com)
2. For MCQ tests  
[www.examveda.com](http://www.examveda.com)
3. For resume building  
[www.novoresume.com](http://www.novoresume.com)

### 1.2 Objectives

- A compact version of similar systems allows accessibility.
- The login page helps to log in to other devices.
- Reliable system.
- Protects confidential details.
- Convenient and user-friendly.
- Secure transaction.
- Saves time and money.
- Paperless and effortless.

### **1.3.1 Purpose**

- Offline courses are more expensive compared to online courses.
- Travel expenses and time are slashed down in the online system.
- MCQ test helps users to brush up their knowledge and boosts confidence.
- Great opportunity to learn something new as users can explore courses out of their context and enroll for them.
- Productive learning has been done by users as they can access lectures any number of times.
- Students can attend lectures anytime and anywhere.

### **1.3.2 Scope**

#### **1. Stakeholders**

Stakeholders of this project will be Project Team Members i.e.,

Shraddha Santosh Malewadkar/A (039)

Sneha Jairam Nawar/B (154).

Intended users are tutor and students.

## **2. Features/ Functionality/ Deliverables**

- Students can register and then log in through Email and Password.
- Passwords can be recovered via E-mail.
- Tutor can log in and post videos of lectures and even MCQ tests.
- The online Transaction Payment method is available.
- After completion of the course, the result and certificate will be generated which can be downloaded into pdf format.
- MCQ tests will be allotted/preferred according to users enrolled in the course.
- A timer will be ticking for an MCQ test.
- QR code will be generated on the Certificate for Verification.
- A Feedback area will be provided for better improvement.

## **3. Exclusion**

- No camera and microphone tracking.
- Multi-language support is excluded.
- Notepad will not be provided for making notes.
- Templates will not be provided for building a resume.
- No speak-aloud option will be provided.

## **4. Limitations**

- Internet connection is required for accessing the website.
- The system might lag during internet traffic.

### **1.3.3 Applicability**

E-learning and resume builder is a website that can perform a task and provide different services to the individual as per their requirements. As technology is developing day by day people are in search of three-in-one convenient websites so users will not have to create different accounts on different websites to reduce the problem of password remembrance. Henceforth, the world will evolve and get adapted to smarter educational websites.

# **CHAPTER 2**

## **LITERATURE SURVEY/ SURVEY OF TECHNOLOGIES**

As eduspire is a compact system for one's overall skills development, we surveyed 3 similar systems each. They are E-Learning websites, MCQ test websites, and resume builder websites. The information on each is provided below: -

### **1. E-Learning Websites**

#### **1.1 Khan Academy**

##### **1.1.1 Description**

The Khan Academy is a non-profit educational organization that provides free video tutorials and interactive exercises. The Academy's declared mission is "changing education for the better by providing a free world-class education to anyone anywhere."<sup>[3]</sup>

##### **1.1.2 Features**

- 3 modules are provided i.e., Learners, Teachers, and Parents.
- A personalized learning dashboard.
- Practice exercises provided.
- Academy Community is provided to ask FAQ.
- An Online donation area is given to help the academy to improve and provide free content for anyone.

##### **1.1.3 Technology**

- **Cloud Computing:** - Cloud computing is the on-demand availability of computer system resources, especially data storage (cloud storage) and computing power, without direct active management by the user. Large clouds often have functions distributed over multiple locations, each location being a data centre. Cloud computing relies on sharing of resources to achieve coherence and typically using a "pay-as-you-go" model which can help in reducing capital expenses but may also lead to unexpected operating expenses for unaware users.<sup>[4]</sup>
- **Camtasia (Tool):** - Camtasia Studio or Camtasia Recorder is a robust program that allows for considerable editing after the video is recorded. Camtasia is quick and easy to learn. It does not require a big budget or fancy video editing skills. Start with a template, or simply record your screen and add a few effects.<sup>[5]</sup>

- **smoothDraw (Tool):** - smoothDraw is an easy natural painting and digital free-hand drawing software that can produce high-quality pictures. Supports many kinds of brushes (pen, pencil, dry media, airbrush, bristle brush, image hose, etc.).<sup>[6]</sup>

## 1.2 Bitclass

### 1.2.1 Description

BitClass is the largest LIVE learning platform. BitClass is a PAAS (Platform As A Service) solution for teachers to set up and manage their independent live classes. It empowers anyone who wants to teach their skills to the world.<sup>[7]</sup>

### 1.2.2 Features

- The platform is Live stream.
- 2 modules are provided i.e., Teachers/Educators and Students/Learners.
- WhatsApp chatbot features communication about BitClass.
- Notifies on WhatsApp about upcoming registered courses.

### 1.2.3 Technology

- **WhatsApp Chatbot:** - A chatbot on WhatsApp looks the same as a chatbot on any other messaging channel. A user can send a text message to a company via the number used for WhatsApp Business. When this happens, a chatbot will initially pick up the message and try to find out what the message is about and answer it.<sup>[8]</sup>
- **Live streaming:** - Live streaming works by delivering video to the viewers through varying streaming protocols over the internet in real-time and without any video latency. HLS, WebRTC, and RTMP are the most widely used delivery vehicles for delivering video to the viewer.<sup>[9]</sup>

## 1.3 Coursera

### 1.3.1 Description

Coursera is the global online learning platform that offers anyone, anywhere access to online courses and degrees from world-class universities and companies.<sup>[10]</sup>

### 1.3.2 Features

- Self-Paced learning option.

- Course videos & readings.
- Practice Quizzes.
- Shareable Certificates.
- Graded Assignments with peer Feedback.
- Graded Programming Assignments.
- Graded Quizzes with Feedback.

### **1.3.3 Technology**

- **Recommendation:** - A recommendation engine is a type of data filtering tool using machine learning algorithms to recommend the most relevant items to a particular user or customer. It operates on the principle of finding patterns in consumer behavior data, which can be collected implicitly or explicitly.<sup>[11]</sup>

## **2. MCQ Test Websites**

### **2.1 ToppersExam**

#### **2.1.1 Description**

Toppersexam is one of the fastest growing, largest and most reliable online learning platforms which give you complete package of study material for more than 3500+ Government and Competitive exams. Toppersexam has successfully conducted Thousands of Online Exams till date. Preparing for Online Competitive Exams has now been made easy by Toppersexam. <sup>[12]</sup>

#### **2.1.2 Features**

- All India Online Test Series
- Test prepared by Experts.
- Anytime-Anywhere Online Test.
- Free Sample Test Papers.

#### **2.1.3 Technology**

- **Algorithm:** - An algorithm is a procedure used for solving a problem or performing a computation. Algorithms act as an exact list of instructions that conduct specified actions step by step in either hardware- or software-based routines. Algorithms are widely used throughout all areas of IT. <sup>[13]</sup>

## **2.2 ExamVeda**

### **2.2.1 Description**

examveda.com is a portal which provide MCQ Questions for all competitive examination such as GK mcq question, competitive english mcq question, arithmetic aptitude mcq question, Data Interpretation, C and Java programing, Reasoning aptitude questions and answers with easy explanations.<sup>[14]</sup>

### **2.2.2 Features**

- General MCQ Questions for Practice.
- Basic Computer MCQ Questions for Practice.
- Banking Awareness.
- Current Affairs.
- Interviews.

### **2.2.3 Technology**

• **Payment gateway:** - A payment gateway is the technology that captures and transfers payment data from the customer to the acquirer. A payment gateway is what keeps the payments ecosystem rolling smoothly, as it enables online payments for consumers and businesses. If you are an online merchant, you do not need to be a payment gateway expert, but it's worth understanding the basics of how an online payment flows from your customer to your bank account.<sup>[15]</sup>

## **2.3 MCQTube**

### **2.3.1 Description**

MCQTUBE is an MCQ learning website that provides you with MCQs of all competitive exams. Our site is counted among the top MCQ sites in India. You get to see the educational content on our website that helps you to prepare for all the competitive exams like CTET, TS TET, UPSC, state pcs, CDS, NDA, Assistant Commandant, SSC, Railway, Bank, Delhi police, UPSSSC, NEET, etc.<sup>[16]</sup>

### **2.3.2 Features**

3. All Competitive Exam MCQ's.
4. Child Development & Pedagogy CTET MCQ.
5. Certification courses are available.

6. Filtration for courses.

### **2.3.3 Technology**

- **Natural Language Processing (NLP):** - Natural Language Processing (NLP) allows machines to break down and interpret human language. It is at the core of tools we use every day from translation software, chatbots, spam filters, and search engines, to grammar correction software, voice assistants, and social media monitoring tools.<sup>[17]</sup>

## **3. Resume Builder Websites**

### **3.1 NovoResume**

#### **3.1.1 Description**

Novoresume asks recruiters what makes for a successful resume. Then they take these insights and build them into their resume templates. Thus, when you use an online resume builder, users get to know that they are giving recruiters exactly what they want.<sup>[18]</sup>

#### **3.1.2 Features**

- ATS (Applicant Tracking System) Friendly resume.
- CV and Cover letter templates provided.
- Improves Personality Development.
- Inspiring Stories for inspiration/motivation.

#### **3.1.3 Technology**

- **Machine Learning (ML):** - Machine learning is a form of Artificial Intelligence (AI) that teaches computers to think in a similar way to how humans do: Learning and improving upon past experiences. It works by exploring data and identifying patterns and auto-filling it and involves minimal human intervention making it easy for humans.<sup>[19]</sup>

### **3.2 Canva**

#### **3.2.1 Description**

With Canva's free resume builder, applying for a dream job is easy and fast. Choose from hundreds of free, designer-made templates and customize them within a few clicks.<sup>[20]</sup>

#### **3.2.2 Features**

- Customizable resumes.

- Multiple categories and designs.
- Produces professional-looking results.

### **3.2.3 Technology**

- **Customization:** - Customization refers to the action of altering a product or service to suit a person's or company's preferences or requirements. We can also use the term when we modify something for a specific task. In other words, we can use it when focusing either on customers or functions.<sup>[21]</sup>

## **3.3 Zety**

### **3.3.1 Description**

Zety is the user's ultimate career toolbox. It uses it to fix the user's career. They offer the best online resume builder and free professional advice from career experts. They guide through the entire recruitment process to one's dream job.<sup>[22]</sup>

### **3.3.2 Features**

- Expertise guidance throughout the process. (Dos and Don'ts)
- Professional Resume & Cover letter tools for any job.
- Resume check reviews and scores resume in real-time.
- Best text editor available.
- Suggests tips from experts
- Secured Personal Data

### **3.3.3 Technology**

- **SSL (Secure Sockets Layer) Security:** - It is the standard technology for keeping an internet connection secure and safeguarding any sensitive data that is being sent between two systems, preventing criminals from reading, and modifying any information transferred, including potential personal details.<sup>[23]</sup>

## **4. Comparative Analysis**

- This website provides three in one websites accessibility.
- On Certificate it allots a unique QR code for paperless and effortless transfer.
- QR on Certificate helps verify the identity of person being certificated.

# **CHAPTER 3**

## **REQUIREMENT AND ANALYSIS**

### **3.1 Problem Definition**

In this modern world, the Internet is proven as a major upgrading factor. The Internet is taking over almost everything. And so, learning and our education system. E-learning is a convenient way for user's as it consumes less time because of direct access to online lectures. E-learning is learning with new technologies. We all are very much aware of e-learning, as we spent almost 2 years learning online during Pandemic. It saves time for traveling and anyone can access or attend a lecture from any corner of the world. It saves lots of time, paper, and ink too.

As mentioned earlier eduspire is a compact website, a combination of 3 in 1 website. Eduspire is a website where the users do not have to get bother themselves by creating an account on various platforms and having trouble of remembering them.

Users can also have access to recorded lectures. And can be accessed anytime. After completion of a specific course user, will be awarded a completion certificate. An MCQ test will be assigned for users. After successful completion of a specific Test user, will be awarded a Certificate. Users will get to know about the areas in which he/she can excel based on their aptitude test.

### **3.2 Requirement Specification**

- Users can register and log in on eduspire with proper and correct information.
- Registered, Certified and Approved Tutors will be hired.
- Only registered students will be admitted to lectures.
- Students will be assigned an MCQ test.
- Resume will be built by user according to their interest and skills.
- Payment will be on online payment mode only.

### **3.3 Hardware & Software Requirements**

#### **3.3.1 Hardware**

- Processor: Intel(R) Core (TM) i5-1035G1 CPU @ 1.00GHz 1.19 GHz
- RAM Size: 8.00 GB (7.77 GB usable)
- System Architecture: 64-bit operating system, x64-based processor

#### **3.3.2 Software**

- Application: Visual Studio 2019.
- Front end: CSS, HTML, JavaScript.
- Back end: ASP.NET / C#.
- Database: Microsoft SQL Server.
- Operating System: Windows 11

## **3.4 Preliminary Product Description**

- Registration Module**

A registration module is a list of fields that a user will input data into and submit to a system. There are many reasons why one would want a person to fill out a registration form. The entries done by the user are digitally stored in a database which makes it easy to insert, update, retrieve and delete the records. Registration module is used for various ways like signing up users for subscriptions, services, or other programs or plans.

- Login Module**

The Login Module is a module that allows users to type a email and password to log in to other devices. Users inputs their credentials on the website's login form. That information is then sent to the authentication server where the information is compared with all the user credentials on database. When a match is found, the system will authenticate users and grant them access to their accounts.

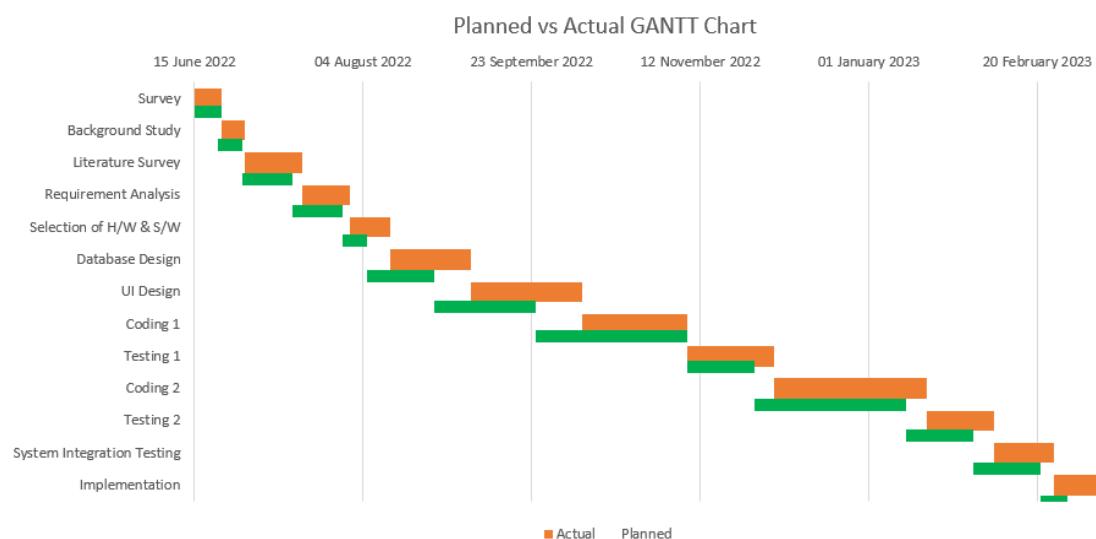
- Payment Module**

The payment module is what users select during checkout. The Payment module includes functions designed to support common types of payment services, the most common being is UPI payments. A payment gateway is a technology used by merchants to accept debit or credit card purchases from users.

## 3.5 Planning & Scheduling

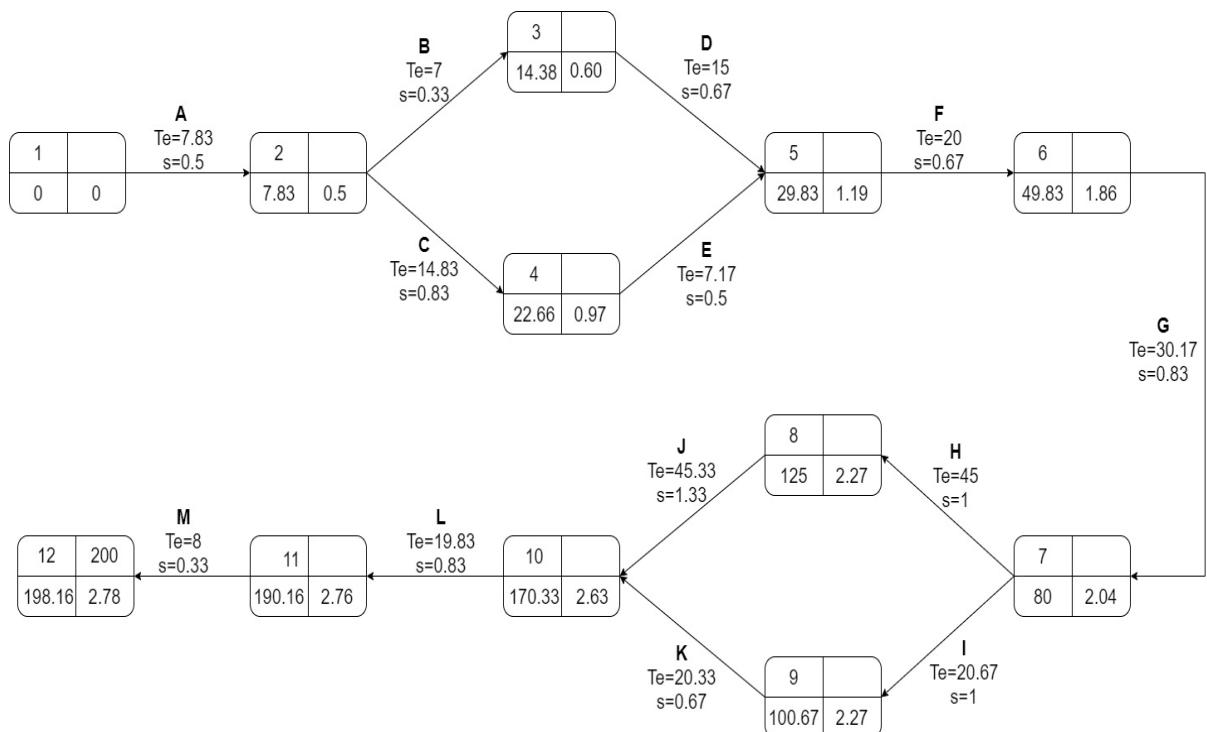
### 3.5.1 GANTT Chart

Activities		Start Date	Finish Date	Duration
Survey	Planned	15 June 2022	22 June 2022	8
	Actual	15 June 2022	22 June 2022	8
Background Study	Planned	22 June 2022	29 June 2022	7
	Actual	23 June 2022	30 June 2022	7
Literature Survey	Planned	29 June 2022	14 July 2022	15
	Actual	30 June 2022	17 July 2022	17
Requirement Analysis	Planned	14 July 2022	29 July 2022	15
	Actual	17 July 2022	31 July 2022	14
Selection of H/W & S/W	Planned	29 July 2022	05 August 2022	7
	Actual	31 July 2022	12 August 2022	12
Database Design	Planned	05 August 2022	25 August 2022	20
	Actual	12 August 2022	05 September 2022	24
UI Design	Planned	25 August 2022	24 September 2022	30
	Actual	05 September 2022	08 October 2022	33
Coding 1	Planned	24 September 2022	08 November 2022	45
	Actual	08 October 2022	08 November 2022	31
Testing 1	Planned	08 November 2022	28 November 2022	20
	Actual	08 November 2022	04 December 2022	26
Coding 2	Planned	28 November 2022	12 January 2023	45
	Actual	04 December 2022	18 January 2023	45
Testing 2	Planned	12 January 2023	01 February 2023	20
	Actual	18 January 2023	07 February 2023	20
System Integration Testing	Planned	01 February 2023	21 February 2023	20
	Actual	07 February 2023	25 February 2023	18
Implementation	Planned	21 February 2023	02 March 2023	8
	Actual	25 February 2023	10 March 2023	13



### 3.5.2 PERT Chart

SR. No.	Activities	Optimistic Time (a)	Most likely time(m)	Pessimistic Time (b)	Expected Time $Te=(a+4m+b)/6$	Standard deviation $s=(b-a)/6$
A	Survey	6	8	9	7.83	0.5
B	Background Study	6	7	8	7	0.33
C	Literature Survey	12	15	17	14.83	0.83
D	Requirement Analysis	13	15	17	15	0.67
E	Selection of Hardware & Software	6	7	9	7.17	0.5
F	Database Design	18	20	22	20	0.67
G	UI Design	28	30	33	30.17	0.83
H	Coding 1	42	45	48	45	1
I	Testing 1	19	20	25	20.67	1
J	Coding 2	42	45	50	45.33	1.33
K	Testing 2	19	20	23	20.33	0.67
L	System Integration Testing	17	20	22	19.83	0.83
M	Implementation	7	8	9	8	0.33
<b>Total</b>		<b>235 Days</b>	<b>260 Days</b>	<b>292 Days</b>		



## **Calculating z value**

$$z = (T - Te)/s$$

where, T = Target date

Te = Expected date

s = Standard deviation

Calculation z value for event 12.

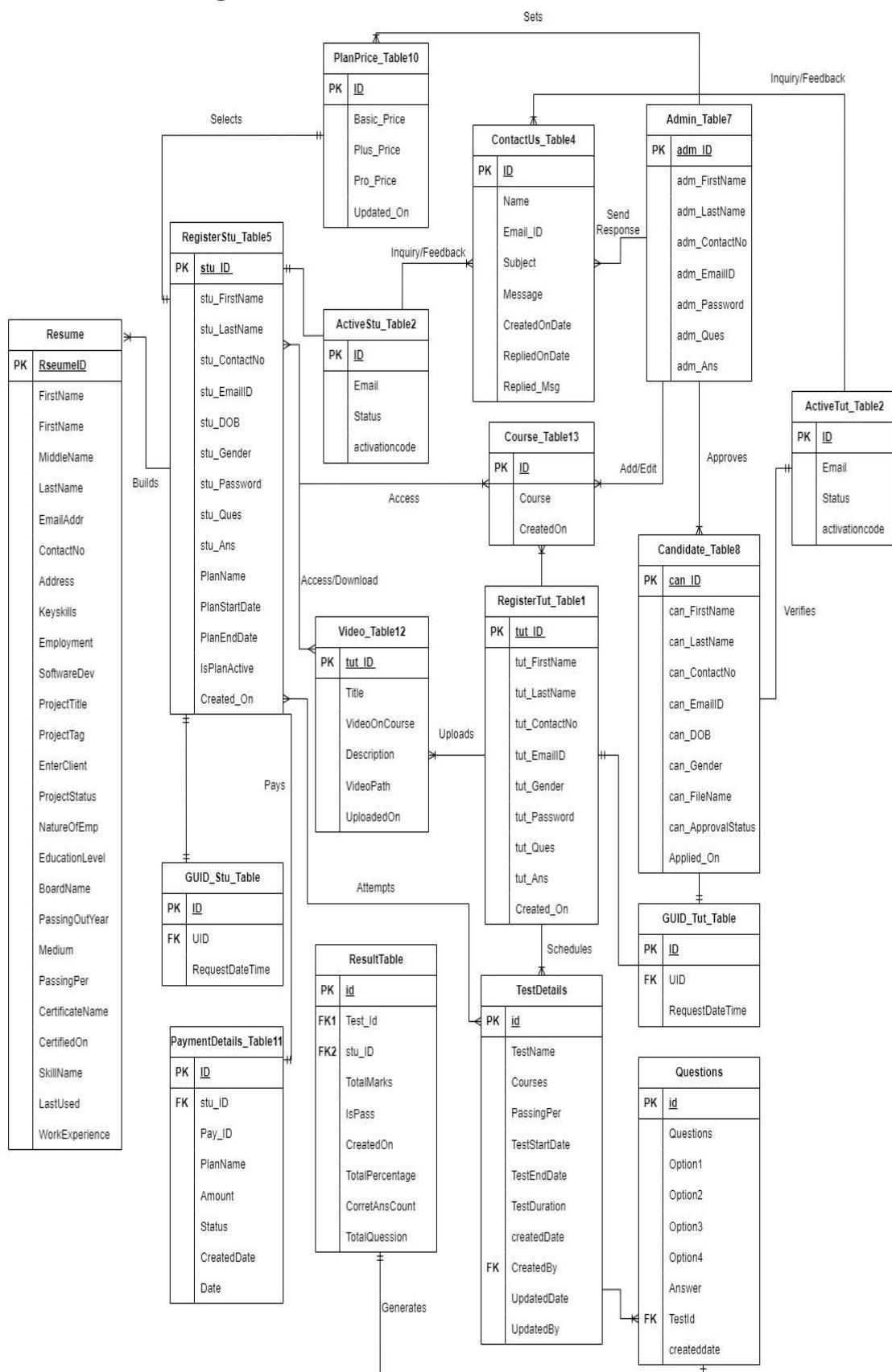
$$z = (200 - 198.16) / 2.78$$

$$\mathbf{z = 0.66}$$

Conclusion: - The probability that the project will not be completed by the end of 200 days (Target date) is only 25% that means 75% it will be on time.

## 3.6 Conceptual Models

### 3.6.1 ER Diagram



### **3.6.2 Data Dictionary**

#### **1. ActiveStu\_Table6**

Column Name	Data Type	Constraints
ID	int	Primary Key
Email	varchar(50)	Not Null
Status	varchar(50)	Not Null
activationcode	varchar(50)	Not Null

#### **2. ActiveTut\_Table2**

Column Name	Data Type	Constraints
ID	int	Primary Key
Email	varchar(50)	Not Null
Status	varchar(50)	Not Null
activationcode	varchar(50)	Not Null

#### **3. Admin\_Table7**

Column Name	Data Type	Constraints
adm_ID	int	Primary Key
adm_FirstName	varchar(50)	Not Null
adm_LastName	varchar(50)	Not Null
adm_ContactNo	varchar(50)	Not Null
adm_EmailID	varchar(50)	Not Null
adm_Password	varchar(50)	Not Null
adm_Ques	varchar(50)	Not Null
adm_Ans	varchar(50)	Not Null

#### **4. Candidate\_Table8**

Column Name	Data Type	Constraints
can_ID	int	Primary Key
can_FirstName	varchar(50)	Not Null
can_LastName	varchar(50)	Not Null
can_ContactNo	varchar(20)	Not Null
can_EmailID	varchar(50)	Not Null
can_DOB	date	Not Null
can_Gender	varchar(10)	Not Null
can_FileName	varchar(MAX)	Not Null
can_ApprovalStatus	varchar(10)	Not Null
Applied_On	date	Not Null

## 5. ContactUs\_Table4

Column Name	Data Type	Constraints
ID	int	Primary Key
Name	varchar(50)	Not Null
Email_ID	varchar(50)	Not Null
Subject	varchar(100)	Not Null
Message	varchar(MAX)	Not Null
CreatedOnDate	datetime	Not Null
RepliedOnDate	datetime	Not Null
Replied_Msg	varchar(MAX)	Not Null

## 6. Course\_Table13

Column Name	Data Type	Constraints
ID	int	Primary Key
Course	varchar(50)	Not Null
CreatedOn	datetime	Not Null

## 7. PaymentDetails\_Table11

Column Name	Data Type	Constraints
ID	int	Primary Key
stu_ID	int	Foreign Key
Pay_ID	varchar(50)	Not Null
PlanName	varchar(50)	Not Null
Amount	varchar(50)	Not Null
Status	varchar(50)	Not Null
CreatedDate	datetime	Not Null

## 8. Questions

Column Name	Data Type	Constraints
ID	int	Primary Key
Questions	varchar(MAX)	Not Null
Option1	varchar(MAX)	Not Null
Option2	varchar(MAX)	Not Null
Option3	varchar(MAX)	Not Null
Option4	varchar(MAX)	Not Null
Answer	varchar(MAX)	Not Null
TestId	int	Foreign Key
createddate	datetime	Not Null

## 9. PlanPrice\_Table10

Column Name	Data Type	Constraints
ID	int	Primary Key
Basic_Price	varchar(50)	Not Null
Plus_Price	varchar(50)	Not Null
Pro_Price	varchar(50)	Not Null
Updated_On	datetime	Not Null

## 10. RegisterStu\_Table5

Column Name	Data Type	Constraints
stu_ID	int	Primary Key
stu_FirstName	varchar(50)	Not Null
stu_LastName	Varchar(50)	Not Null
stu_ContactNo	varchar(10)	Not Null
stu_EmailID	varchar(50)	Not Null
stu_DOB	date	Not Null
stu_Gender	varchar(10)	Not Null
stu_Password	varchar(50)	Not Null
stu_Ques	varchar(50)	Not Null
stu_Ans	varchar(50)	Not Null
PlanName	varchar(50)	Not Null
PlanStartDate	datetime	Not Null
PlanEndDate	datetime	Not Null
IsPlanActive	bit	Not Null
Created_On	datetime	Not Null

## 11.RegisterTut\_Table1

Column Name	Data Type	Constraints
tut_ID	int	Primary Key
tut_FirstName	varchar(50)	Not Null
tut_LastName	Varchar(50)	Not Null
tut_ContactNo	varchar(10)	Not Null
tut_EmailID	varchar(50)	Not Null
tut_Gender	varchar(10)	Not Null
tut_Password	varchar(50)	Not Null
tut_Ques	varchar(50)	Not Null
tut_Ans	varchar(50)	Not Null
Created_On	datetime	Not Null

## 12. GUID\_Stu\_Table

Column Name	Data Type	Constraints
ID	nvarchar(50)	Not Null
UID	nvarchar(50)	Foreign Key
RequestDateTime	nvarchar(50)	Not Null

## 13. GUID\_Tut\_Table

Column Name	Data Type	Constraints
ID	nvarchar(50)	Not Null
UID	nvarchar(50)	Foreign Key
RequestDateTime	nvarchar(50)	Not Null

## 14. ResultTable

Column Name	Data Type	Constraints
id	int	Primary Key
Test_Id	int	Foreign Key
stu_ID	int	Foreign Key
TotalMarks	varchar(50)	Not Null
IsPass	bit	Not Null
CreatedOn	datetime	Not Null
TotalPercentage	varchar(50)	Not Null
CorretAnsCount	int	Not Null
TotalQuession	int	Not Null

## 15. TestDetails

Column Name	Data Type	Constraints
id	int	Primary Key
TestName	Varchar(100)	Not Null
Courses	varchar(50)	Not Null
PassingPer	varchar(50)	Not Null
TestStartDate	datetime	Not Null
TestEndDate	datetime	Not Null
TestDuration	varchar(50)	Not Null
createdDate	Varchar(50)	Not Null
CreatedBy	int	Foreign Key
UpdatedDate	datetime	Not Null
UpdatedBy	int	Not Null

## 16. Video\_Table12

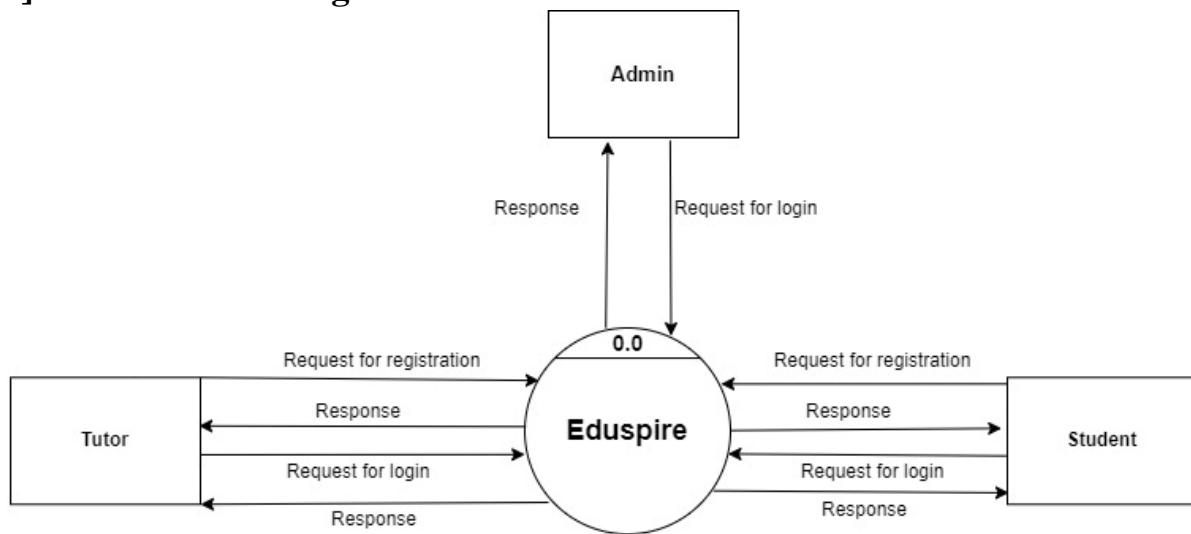
Column Name	Data Type	Constraints
ID	int	Primary Key
tut_ID	int	Foreign Key
Title	varchar(100)	Not Null
VideoOnCourse	varchar(50)	Not Null
Description	varchar(500)	Not Null
VideoPath	varchar(250)	Not Null
UploadedOn	datetime	Not Null

## 17. Resume

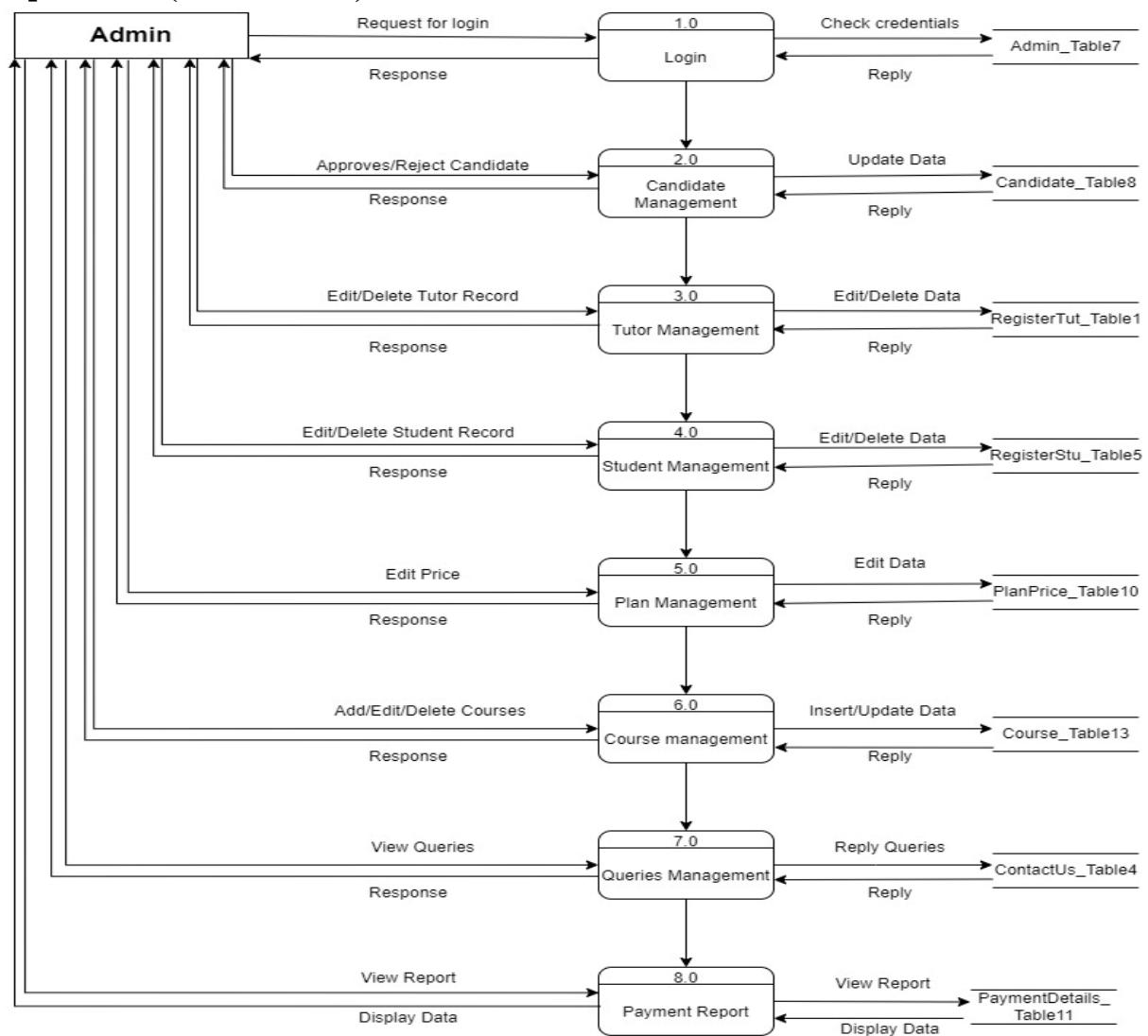
Column Name	Data Type	Constraints
ResumeID	int	Primary Key
FirstName	varchar(255)	Not Null
MiddleName	varchar(255)	Not Null
LastName	varchar(255)	Not Null
EmailAddr	varchar(100)	Not Null
ContactNo	varchar(50)	Not Null
Address	varchar(255)	Not Null
KeySkills	varchar(255)	Not Null
Employment	varchar(500)	Not Null
SoftwareDev	varchar(500)	Not Null
ProjectTitle	varchar(255)	Not Null
ProjectTag	varchar(255)	Not Null
EnterClient	varchar(255)	Not Null
ProjectStatus	varchar(50)	Not Null
NatureOfEmp	varchar(255)	Not Null
EducationLevel	varchar(255)	Not Null
BoardName	varchar(255)	Not Null
PassingOutYear	numeric(8,10)	Not Null
Medium	varchar(255)	Not Null
PassingPer	numeric(8,10)	Not Null
CertificateName	varchar(255)	Not Null
CertifiedOn	datetime	Not Null
SkillName	varchar(255)	Not Null
LastUse	varchar(255)	Not Null
WorkExperience	varchar(255)	Not Null

### 3.6.3 Data Flow Diagram (D-F-D)

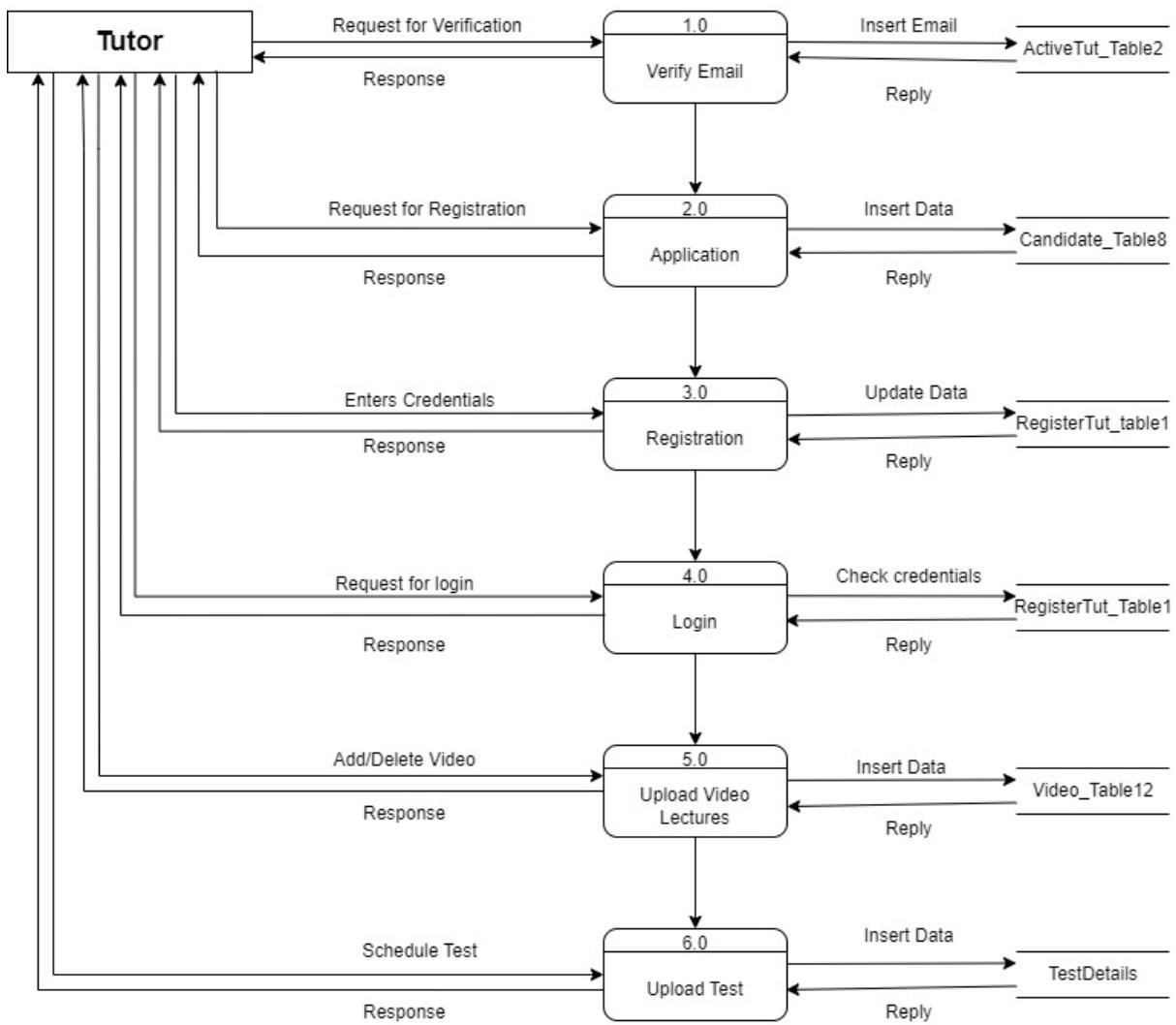
#### A] Context Level Diagram / Level 0



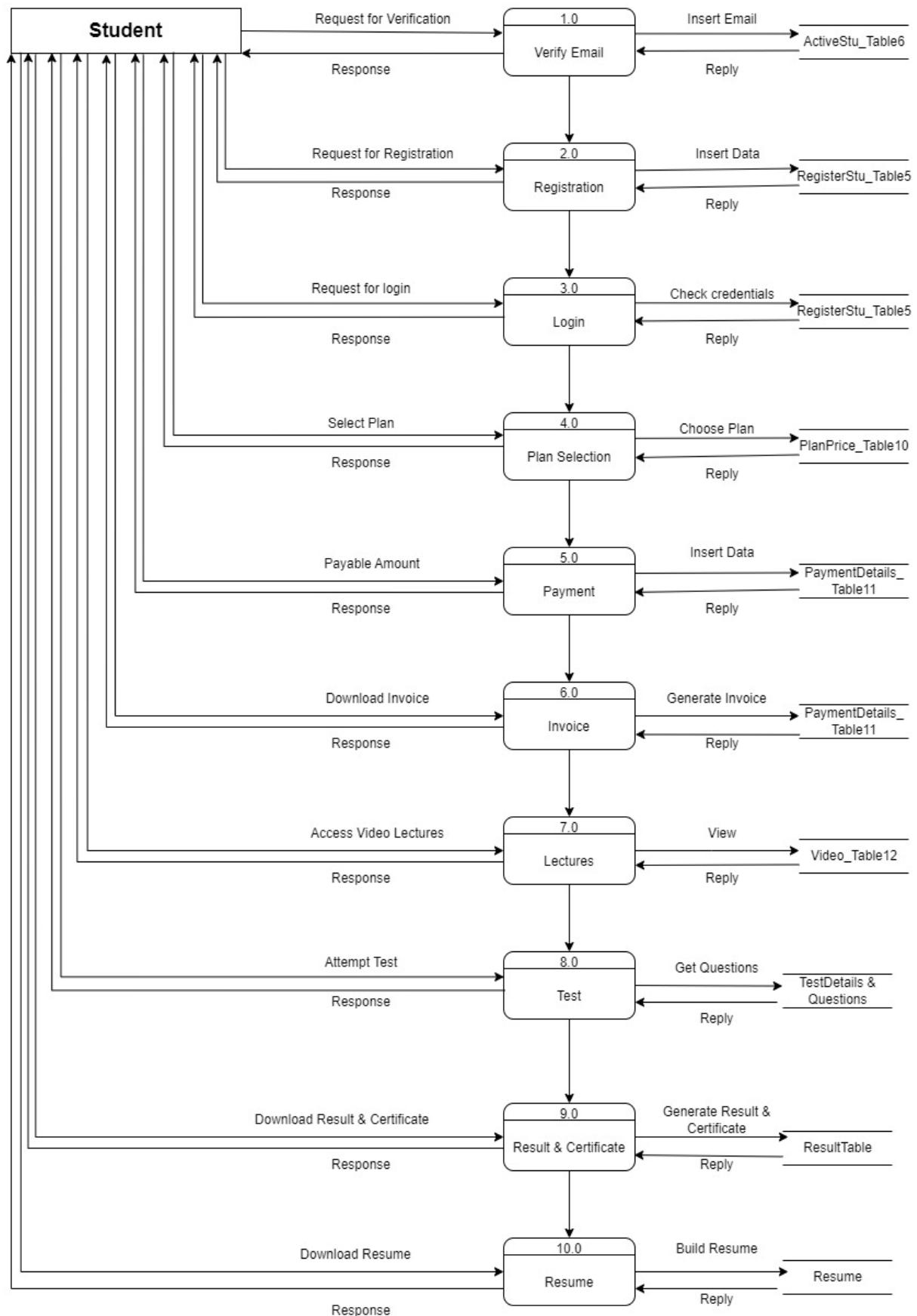
#### B] Level 1 (Admin Side)



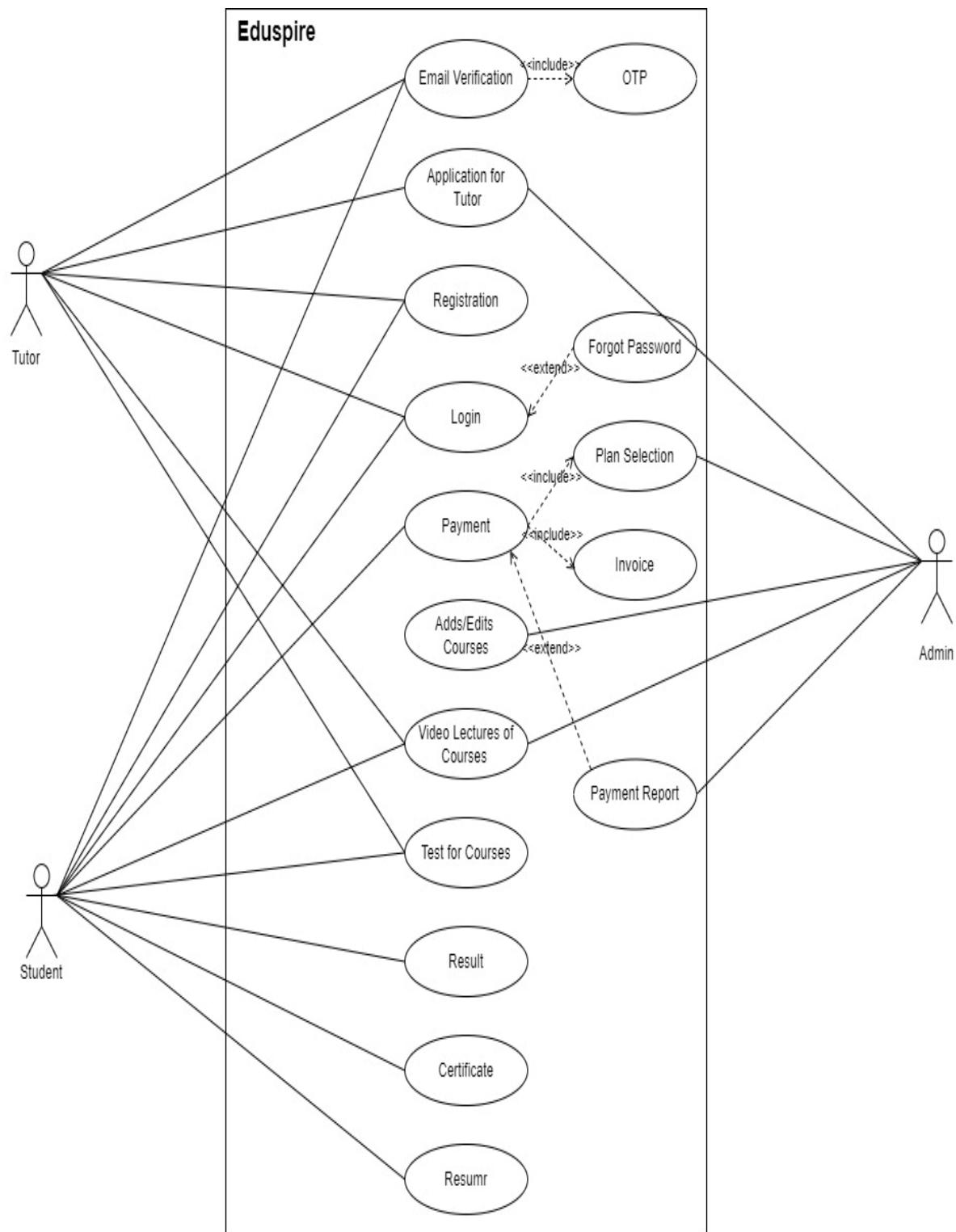
## B] Level 1 (Tutor Side)



## B] Level 1 (Student Side)

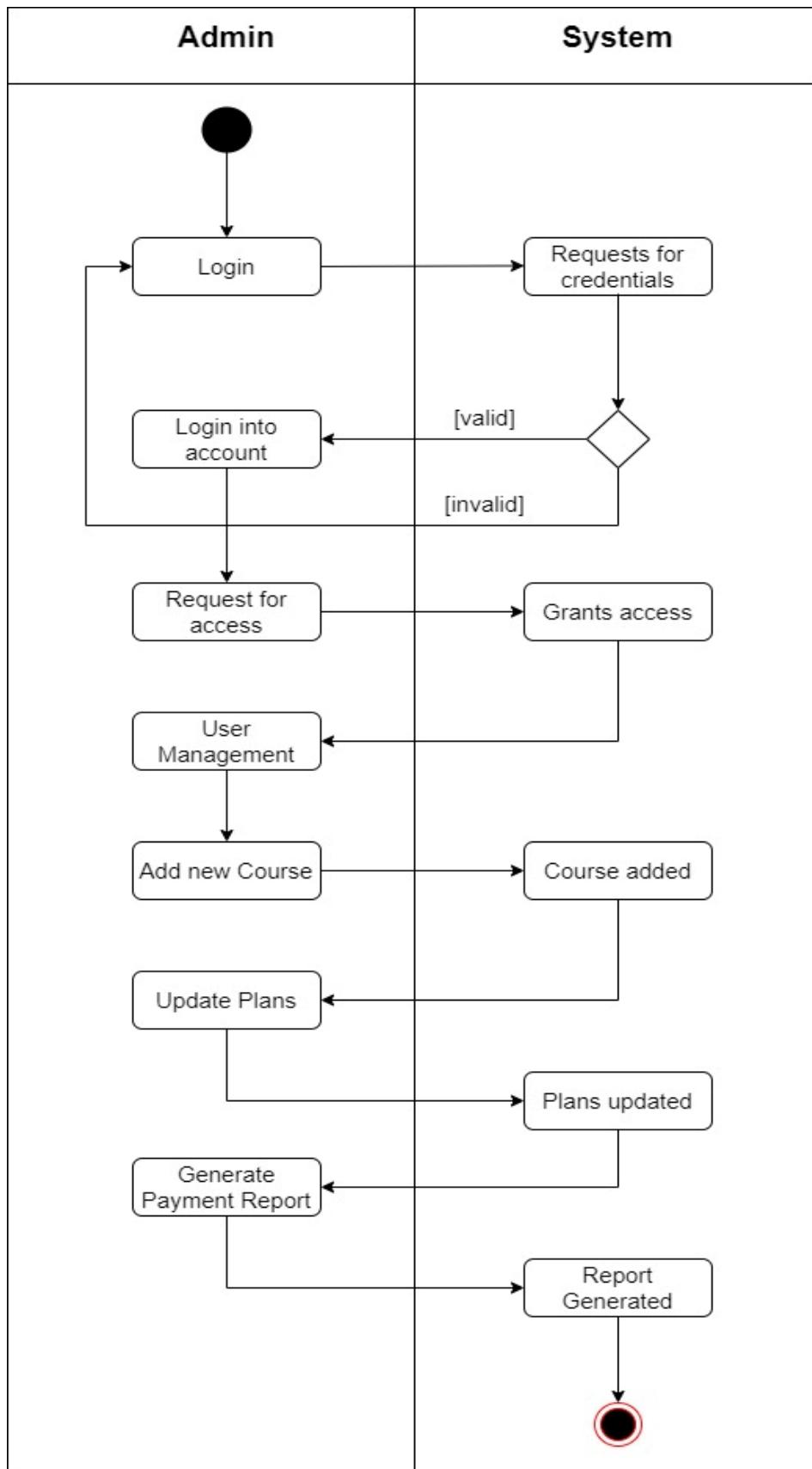


### 3.6.3 Use case Diagram

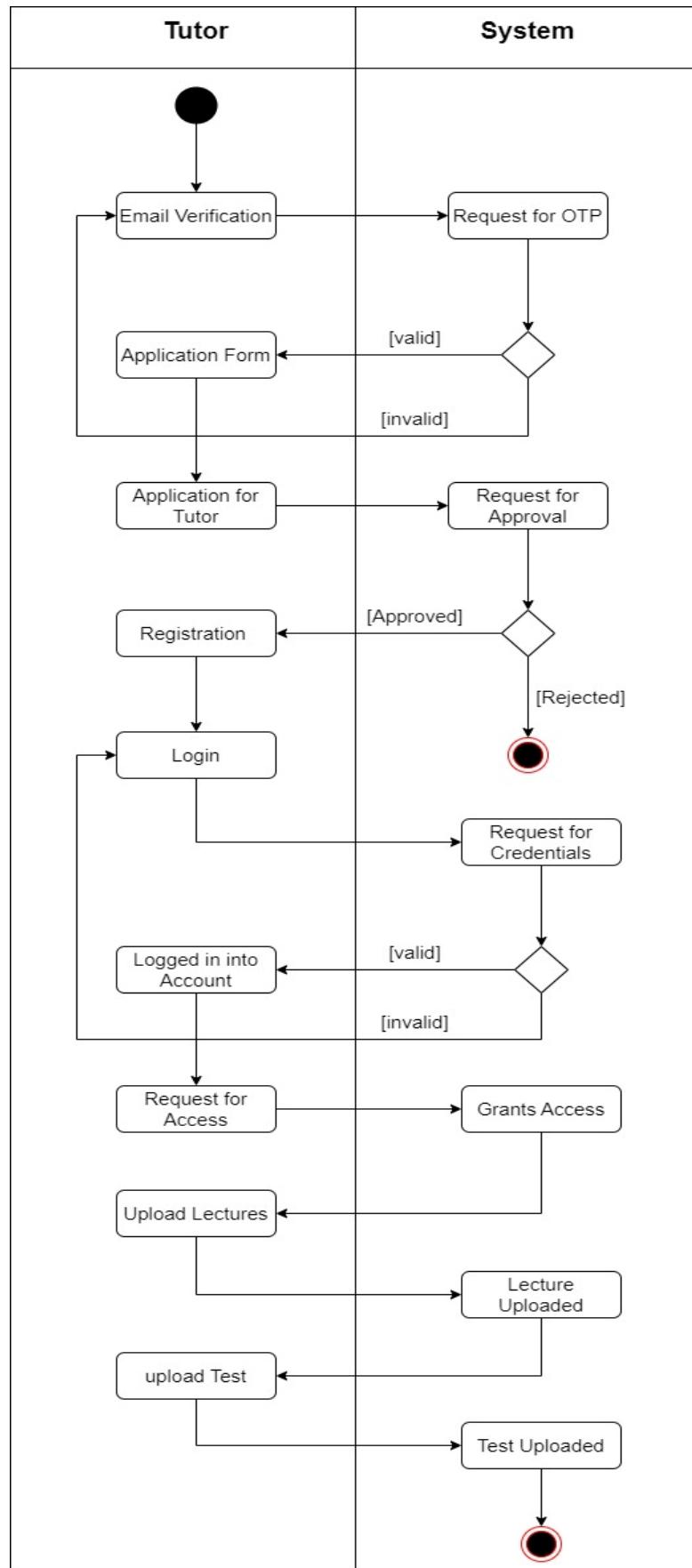


### 3.6.5 Activity Diagram

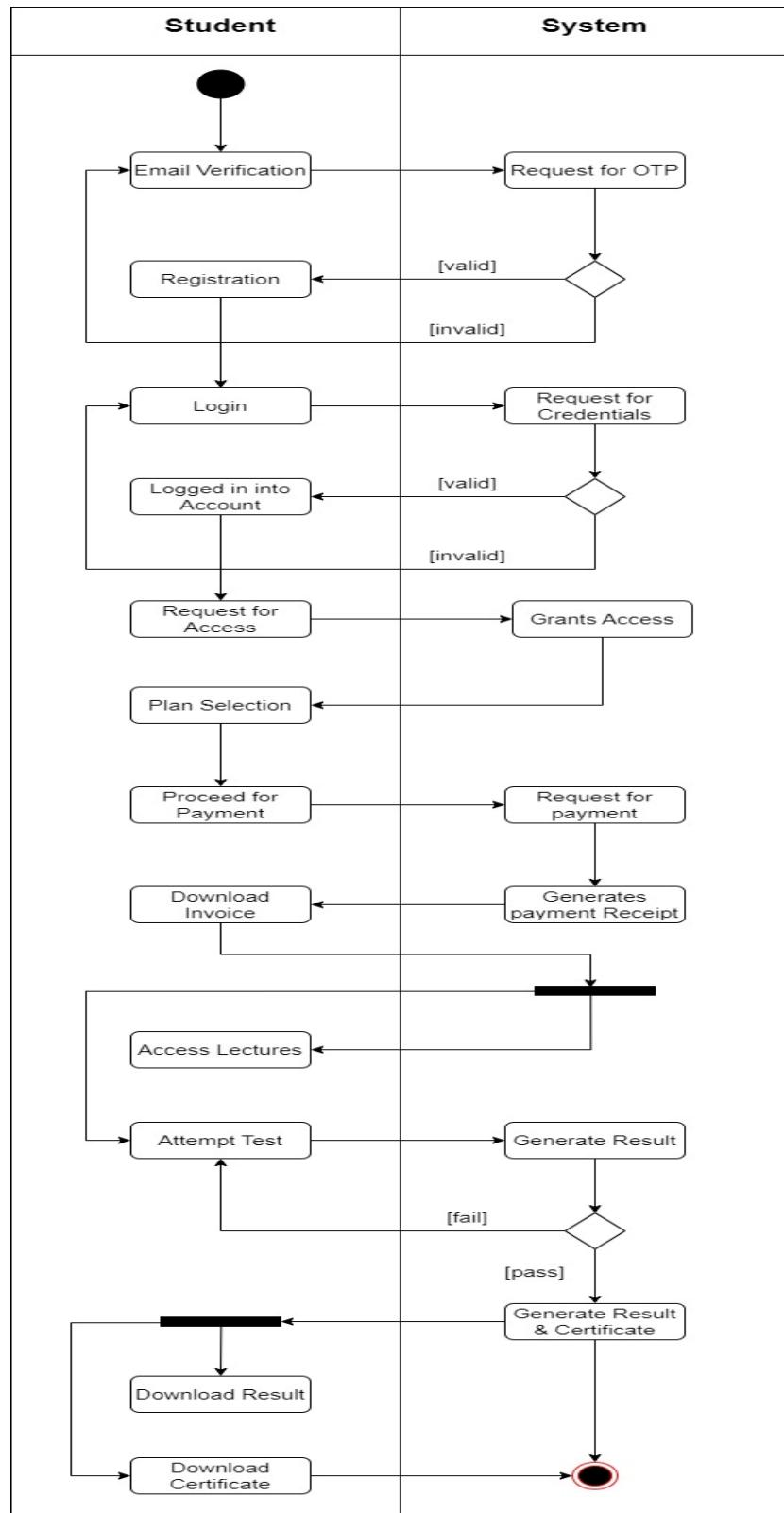
#### A] Activity Diagram (Admin Side)



## B] Activity Diagram (Tutor Side)



## B] Activity Diagram (Student Side)



# CHAPTER 4

## SYSTEM DESIGN

### 4.1 Modules

The project we are working on consists of several segments as we know that the entire project cannot be developed in one shot, so we are developing it in several segments and then assembling those makes the work easy and time-saving. Through the model development technique, one can make out the best use of human resource.

#### 4.1.1 Registration Module

The registration module allows users to register into the system. It is expected to fill in all the required details given in the module to create a unique account and access the contents of the system.

- **Skeletal Module**

**REGISTRATION PAGE**



Enter name \*

First name  Middle name  Last name

Contact Number \*

Email Id \* 

Age

Gender    Male     Female     Other

Address

Select role for registration \*    Student     Tutor

Username \*

Enter Password \*  Confirm Password \*

**Register** 

Already registered? [Login](#)

- **Algorithm**

**STEP 1:** The user needs to provide all the required information given in the registration module.

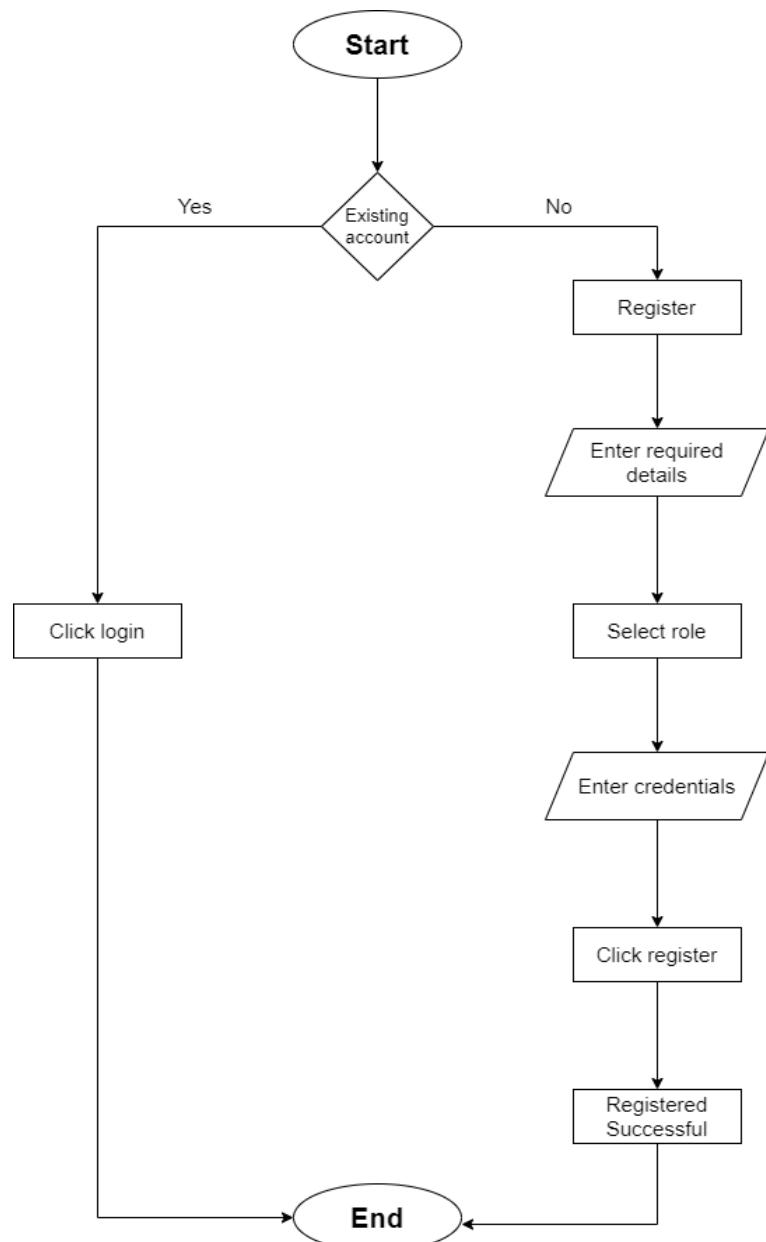
**STEP 2:** The user needs to select one option from role registration as either tutor or student.

**STEP 3:** Then the user needs to provide a unique username and password for security as well as remember it for future use.

**STEP 4:** On clicking the “Register” button user’s details will be added to the database and a message will be displayed as “account is created successfully”.

**STEP 5:** If the user is already registered or is an existing user then a login module redirecting button is provided.

- **Flow Chart**



- **Validations**

Sr. No.	Inputs	Validations
1	username	The username must consist of 6 to 30 characters (inclusive) and can only contain alphanumeric characters and underscores (_).
2	password	The password length must be a minimum of 8 characters and should be strong also it should match the credentials. Entered password and confirmed password must match.
3	E-mail	E-mail should follow standard E-mail format.
4	Contact	Contact should not contain any alphabet.

#### 4.1.2 Login Module

The login module is used to log in to one's account by providing unique credentials to the system. It is also used to login easily into other devices.

- **Skeletal Module**

**LOGIN PAGE**

User name \*

Password \*

Remember me?

**Login**

[Forgot password?](#)

Need an account? [Register](#)

**Forgot Password Page**

Enter your email Id / contact no \*

**Click here to get otp**

Enter OTP \*

**Login**

- **Algorithm**

**STEP 1:** To log in, the user must have an account in the system, user will be entering the username and password and click on “log in”.

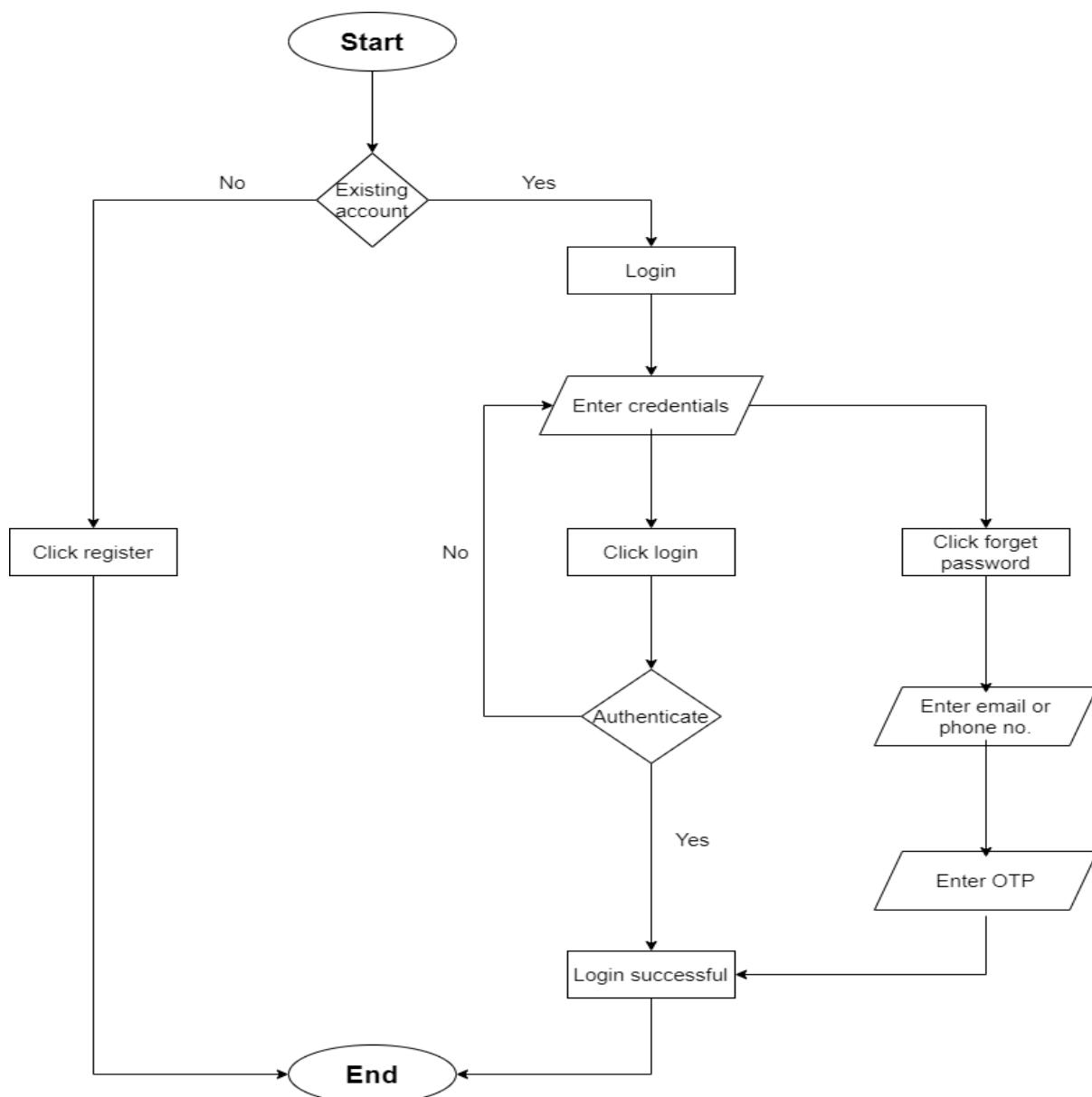
**STEP 2:** The user's provided credentials will be authenticated by matching records from the database.

**STEP 3:** If the credentials are matched a message as “login successful” will be displayed else an error message will be displayed and the user needs to enter credentials again.

**STEP 4:** If the user has forgotten the password, then he/she needs to click on “Forget password?” then enter email or phone to get OTP and then enter the OTP received in the textbox provided.

**STEP 5:** If the user has not registered then to redirect to register module user is supposed to click on “Register”.

- **Flow Chart**



### 4.1.3 Payment Module

The payment module helps securely pay for the course services within a few clicks. After the online payment is successful user gets an online payment receipt.

- **Skeletal Interface**

<p><b>PAYMENT PAGE</b></p>  <p>Enter name as per on card *</p> <input type="text"/> <p>Enter your card number*</p> <input type="text"/> **** * **** * <p>Expiry date *      Cvv/Cvc *</p> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 50px;">mm / yy</td><td style="width: 50px;">***</td></tr></table> <p><b>Proceed</b> </p>	mm / yy	***	<p><b>OTP PAGE</b></p>  <p>Time Remaining: 02:00</p> <p>Enter OTP *</p> <input type="text"/> <p><b>Submit</b> </p>
mm / yy	***		

- **Algorithm**

**STEP 1:** Once the user has selected a course, he/she needs to make the payment of the amount given. As the user clicks on “Proceed for Payment” he/she will be directed to the payment module.

**STEP 2:** In the payment module, user is expected to enter the card details carefully and click on the “Proceed” button.

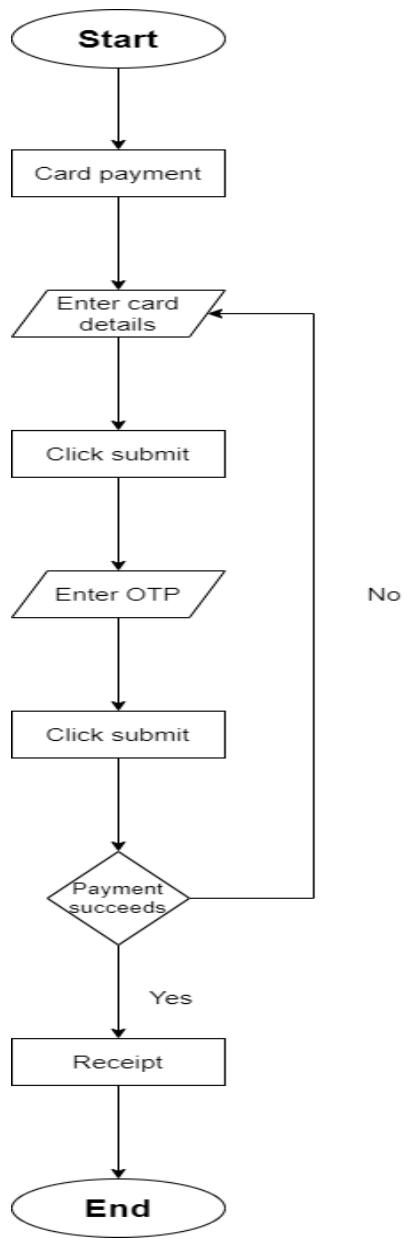
**STEP 3:** Then the entered details get verified and the system sends OTP.

**STEP 4:** The user needs to enter the correct OTP without sharing it with anyone as well within the given time, or else the session gets expired.

**STEP 5:** Once the OTP has been verified then the payment gets successful and the user gets a payment receipt.

**STEP 6:** If the payment is not successful then the user will be redirected to the payment module and asked to again enter the card details.

- **FLOW CHART**



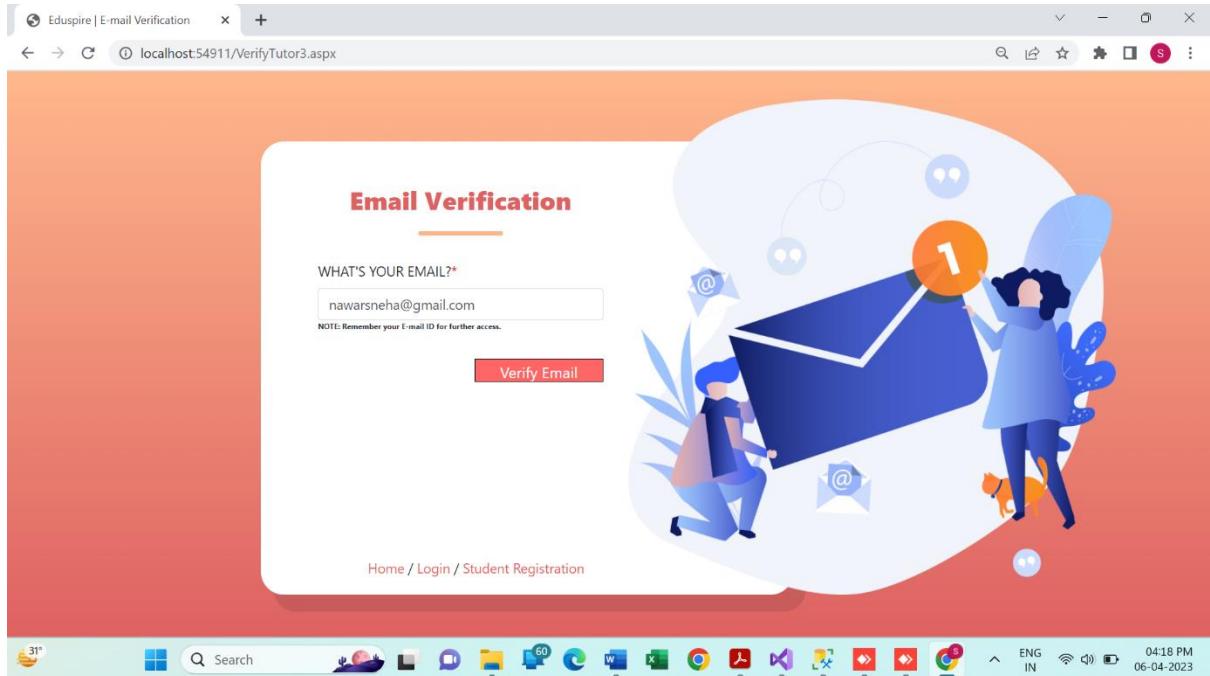
- **Validations**

Sr. No.	Inputs	Validations
1	Card number	Entered card number should be valid and must be of 16-digits.
2	CVV/CVC	Compulsorily should be of 3-digits
3	Expiry date	Card should not be expired.

# CHAPTER 5

## IMPLEMENTATION

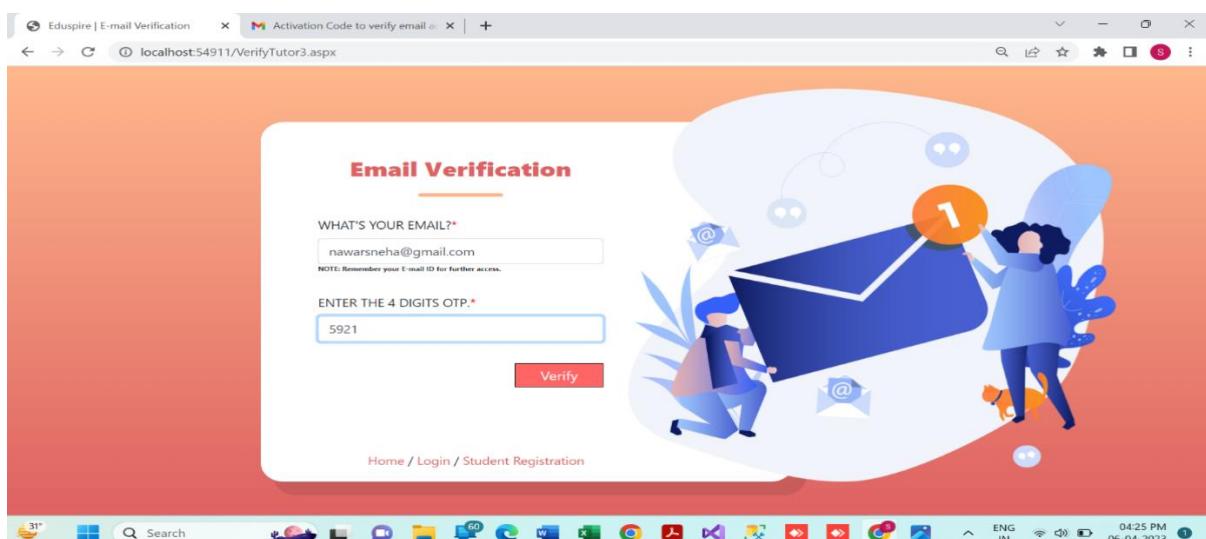
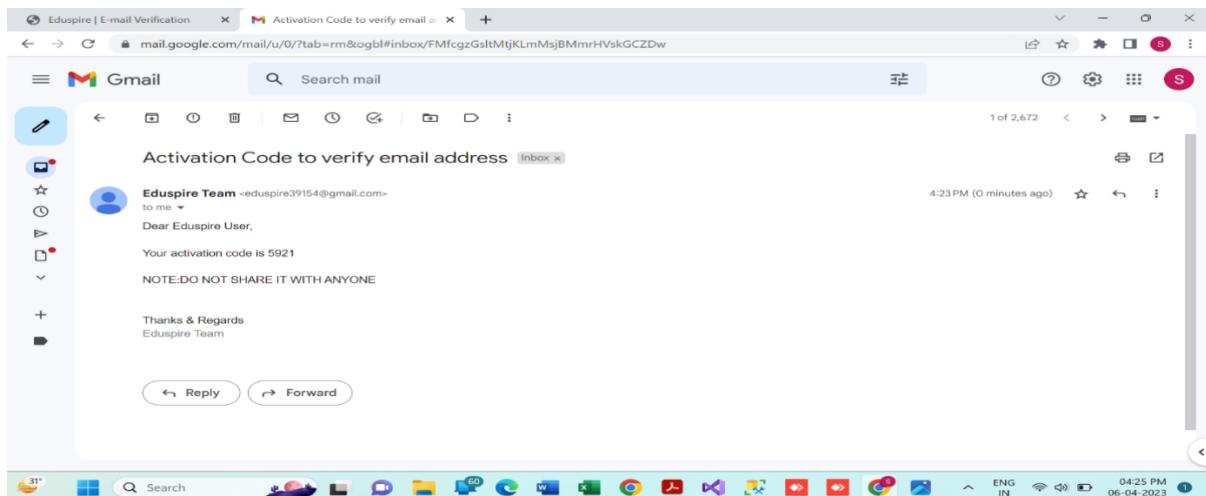
### Email Verification:



### Description:

- To start the journey with **EDUSPIRE**, the user will first have to verify his/her E-Mail.
- If the Email is not verified user will not proceed further.
- The above picture is for verification of the student as well as the Tutor.

```
protected void btnVerifyEmail_Click1(object sender, EventArgs e){  
    int Desc;  
    if (CheckEmailInRegister() == true){  
        Response.Write("<script>alert('An account with Email " + txtEmailID.Text + " already exists.')</script>");  
    }else if(CheckEmailInCandidate() == true){  
        Response.Write("<script>alert('An account with Email " + txtEmailID.Text + " has already applied.')</script>");  
    }else if ((InternetGetConnectedState(out Desc, 0) == false){  
        Response.Write("<script>alert('Message not sent please check your internet connection.')</script>");  
    }else{  
        div_VerifyOtp.Visible = true;  
        div OTP.Visible = true;  
        btnVerifyEmail.Visible = false;  
        if (CheckEmailInActivate() == true){  
            Random random = new Random();  
            activationcode = random.Next(1001, 9999).ToString();  
            String query = "update ActivateTut_Table2 set activationcode=" + activationcode + ", status = 'Unverified' where Email='" + txtEmailID.Text + "'";  
            String mycon = ConfigurationManager.ConnectionStrings["dbcon"].ConnectionString;  
            SqlConnection con = new SqlConnection(mycon);  
            con.Open();  
            SqlCommand cmd = new SqlCommand();  
            cmd.CommandText = query;  
            cmd.Connection = con;  
            cmd.ExecuteNonQuery();  
            sendcode();  
            Response.Write("<script>alert('Message sent check your Email Inbox.')</script>");  
        }else{  
            Random random = new Random();  
            activationcode = random.Next(1001, 9999).ToString();  
            String query = "insert into ActivateTut_Table2(ID,Email,Status,activationcode) values('" + lblID.Text + "','" + txtEmailID.Text + "','Unverified','" + activationcode + "')";  
            String mycon = ConfigurationManager.ConnectionStrings["dbcon"].ConnectionString;  
            SqlConnection con = new SqlConnection(mycon);  
            con.Open();  
            SqlCommand cmd = new SqlCommand();  
            cmd.CommandText = query;  
            cmd.Connection = con;  
            cmd.ExecuteNonQuery();  
            sendcode();  
            Response.Write("<script>alert('Message sent check your Email Inbox.')</script>");  
        }  
    }  
}
```

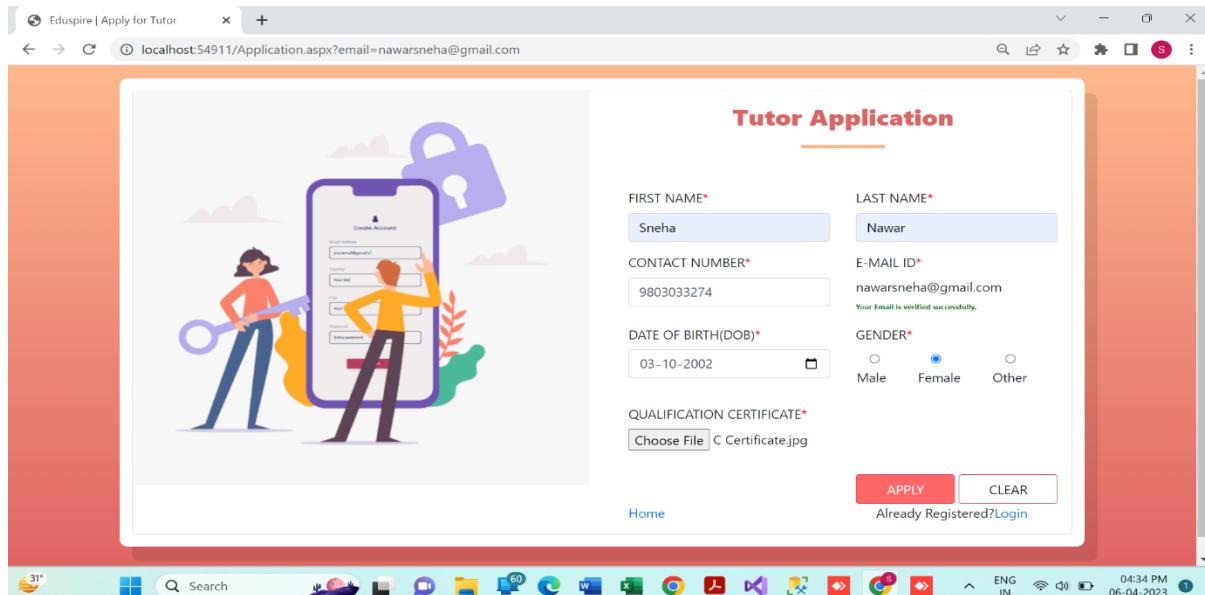
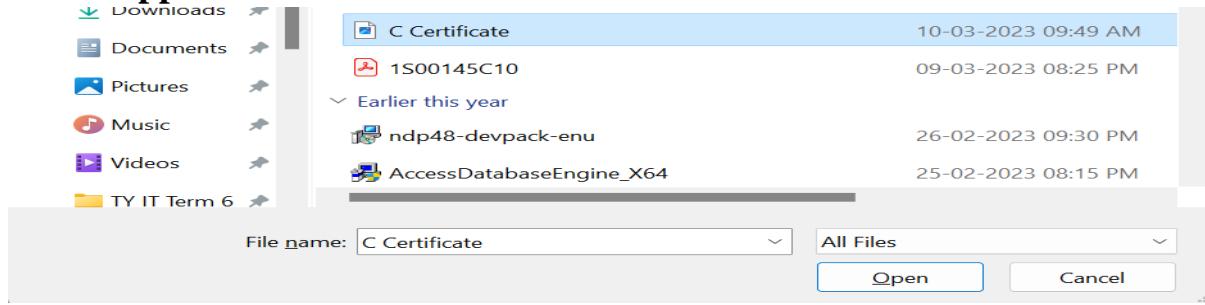


## Description:

- Once the user clicks on verify button he will receive OTP on entered Email ID
- If user inputs the wrong OTP he will not be able to proceed further.

```
protected void btnVerify_Click(object sender, EventArgs e)
{
    div_VerifyOtp.Visible = true;
    div_OTP.Visible = true;
    btnVerifyEmail.Visible = false;
    Session["EmailID"] = txtEmailID.Text;
    String mycon = ConfigurationManager.ConnectionStrings["dbcon"].ConnectionString;
    String myquery = "Select * from ActivateTut_Table2 where Email='" + txtEmailID.Text + "'";
    SqlConnection con = new SqlConnection(mycon);
    SqlCommand cmd = new SqlCommand();
    cmd.CommandText = myquery;
    cmd.Connection = con;
    SqlDataAdapter da = new SqlDataAdapter();
    da.SelectCommand = cmd;
    DataSet ds = new DataSet();
    da.Fill(ds);
    if (ds.Tables[0].Rows.Count > 0)
    {
        String activationcode;
        activationcode = ds.Tables[0].Rows[0]["activationcode"].ToString();
        if (activationcode == txtActivationCode.Text)
        {
            changestatus();
            Response.Redirect("Application.aspx?email=" + txtEmailID.Text);
        }
        else
        {
            Response.Write("<script>alert('You have entered Invalid activation code, kindly check your mail inbox.');</script>");
        }
    }
    con.Close();
}
```

## Tutor Application:



### Description:

- After verifying the email, the tutor will have to fill out the application form which will be approved by the admin.
- The tutor will get to register himself only if his application is selected or he is approved.

```
protected void btnApply_Click(object sender, EventArgs e)
{
    string[] validFileTypes = { ".doc", ".docx", ".pdf", ".jpg", ".jpeg", ".png" };
    string ext = System.IO.Path.GetExtension(FileUpload1.PostedFile.FileName);
    bool isValidFile = false;
    for (var i = 0; i < validFileTypes.Length; i++)
    {
        if (ext == validFileTypes[i])
        {
            isValidFile = true;
            break;
        }
    }
    if (!isValidFile)
    {
        lblErrorMsg.Text = "Invalid file. Please upload a file with extension: " + string.Join(", ", validFileTypes);
        lblErrorMsg.ForeColor = System.Drawing.Color.Red;
    }
    else
    {
        String constring = ConfigurationManager.ConnectionStrings["dbcon"].ConnectionString;
        SqlConnection sqlcon = new SqlConnection(constring);
        FileUpload1.SaveAs(Server.MapPath("~/Data/") + Path.GetFileName(FileUpload1.FileName));
        String link = Path.GetFileName(FileUpload1.FileName);

        String mycon = ConfigurationManager.ConnectionStrings["dbcon"].ConnectionString;
        SqlConnection con = new SqlConnection(mycon);
        con.Open();
        string query = "Insert into Candidate_Table8 (can_ID,can_Firstname,can_LastName,can_ContactNo,can_EmailID,can_DOB,can_Gender,can_FileName,can_ApprovalStatus,Applied_On) values " +
                      "(" + lblCanIDNo.Text + "," + txtFirstName.Text + "," + txtLastName.Text + "," + txtContactNo.Text + "," + lbl2EmailID.Text + "," + txtDOB.Text + "," + radiobtnlstGender.SelectedValue +
                      "," + link + "' , ' ,getdate())";
        SqlCommand cmd = new SqlCommand(query, con);
        cmd.ExecuteNonQuery();
        con.Close();
        Response.Write("<script>alert('Applied Successfully! You will receive an Email within 24hrs for further instructions.')</script>");
    }
}
```

## Candidate Management by Admin:

ID	First Name	Last Name	Contact No	Email ID	DOB	Gender	File Name	Download	Approval	Reject	Applied On
13	Sneha	Nawar	9833003474	eduspire39154@gmail.com	04-02-1999 12:00:00 AM	Female	Certificate.pdf	<a href="#">Download</a>	<input checked="" type="radio"/>	<input type="radio"/>	04-04-2023 12:00:00 AM
14	Sneha	Nawar	9803033274	nawarsneha@gmail.com	03-10-2002 12:00:00 AM	Female	C Certificate.jpg	<a href="#">Download</a>	<input checked="" type="radio"/>	<input type="radio"/>	06-04-2023 12:00:00 AM

Application Approved as Tutor [Inbox](#)

Eduspire Team <eduspire39154@gmail.com>  
to me

Dear Sneha,

We received your Application for Tutor. You have been APPROVED and are ELIGIBLE as a Tutor.

Click the link below and get yourself registered.

<http://localhost:54911/RegisterTutor.aspx?Uid=42c33a7a-e536-41b8-be08-7e715a554448>

Sincerely,  
Eduspire Team

[Reply](#) [Forward](#)

### Description:

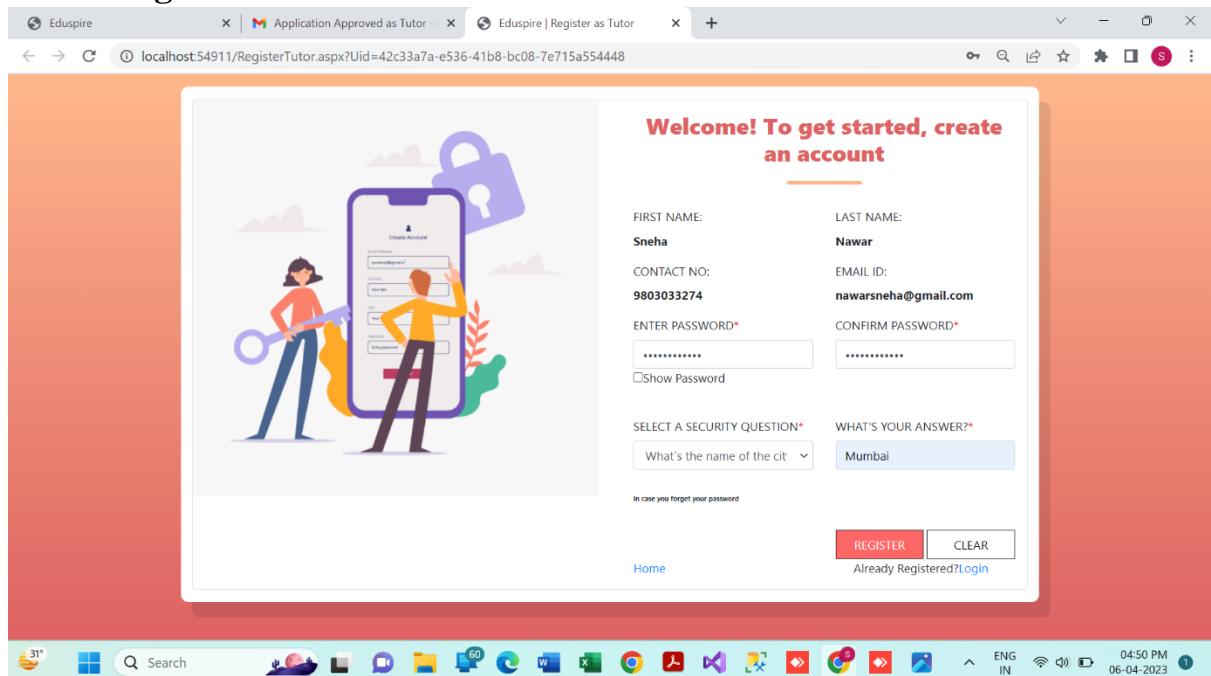
- The admin approves or rejects the candidate's application.

```

protected void btnSubmit_Click(object sender, EventArgs e)
{
    ClearPrevError();
    foreach (GridViewRow row in grdviewCandidate.Rows)
    {
        RadioButton ApprovalStatus = (row.Cells[3].FindControl("RadioButton1") as RadioButton);
        RadioButton RejectStatus = (row.Cells[3].FindControl("RadioButton2") as RadioButton);
        int ID = Convert.ToInt32(row.Cells[0].Text);
        String FName = row.Cells[1].Text;
        String LName = row.Cells[2].Text;
        String ContactNo = row.Cells[3].Text;
        String EmailID = row.Cells[4].Text;
        String Gender = row.Cells[6].Text;
        if (ApprovalStatus.Checked)
        {
            UpdateRow(ID, "Approved");
            SendEmailApproval(EmailID);
            InsertData(ID, FName, LName, ContactNo, EmailID, Gender);
            Response.Write("<script>alert('Applications have been submitted successfully.');//</script>");
        }
        if (RejectStatus.Checked)
        {
            UpdateRow(ID, "Rejected");
            SendEmailReject(EmailID);
            Response.Write("<script>alert('Applications have been submitted successfully.');//</script>");
        }
        SqlDataSource1.DataBind();
        RefreshData();
    }
}

```

## Tutor Registration:



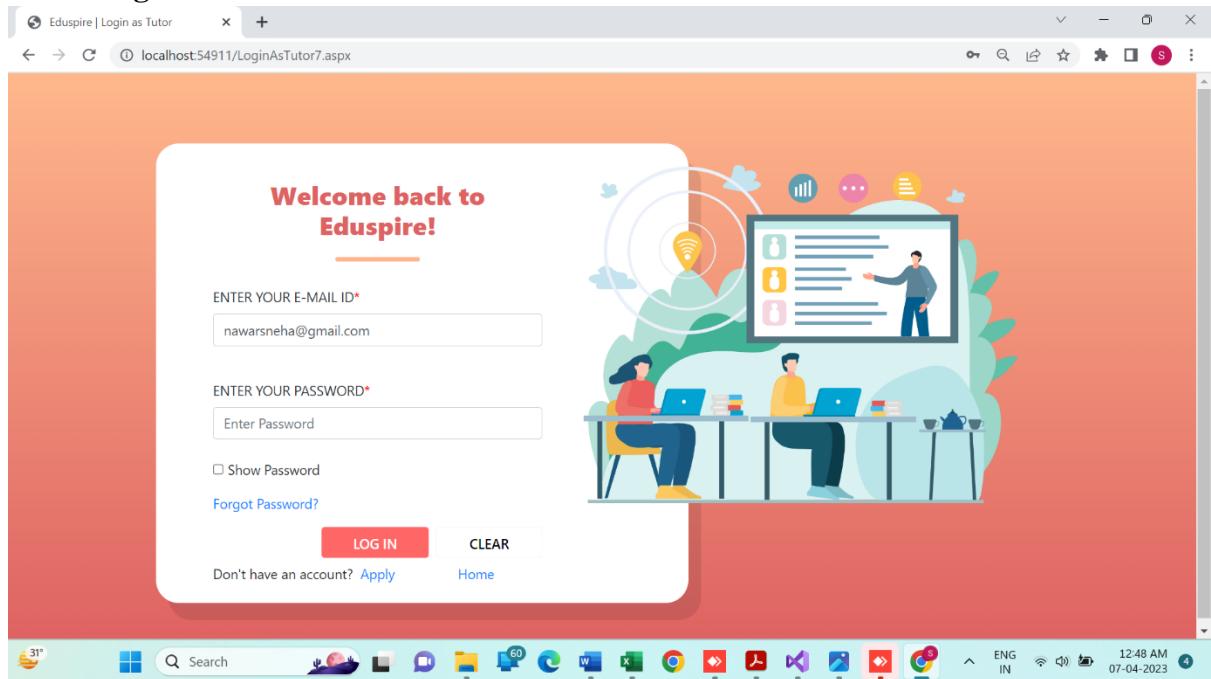
### Description:

- Once he is approved, he will get a link in the mail provided.
- Mail body will have the registration link for the tutor. from where he will get to register himself to eduspire.

```
using (SqlConnection con = new SqlConnection(CS))
{
    GUIDvalue = Request.QueryString["Uid"];
    if (GUIDvalue != null){
        SqlCommand cmd = new SqlCommand("select * from GUID_Tut_Table where ID='"
            + GUIDvalue + "'", con);
        con.Open();
        SqlDataAdapter sda = new SqlDataAdapter(cmd);
        sda.Fill(dt);
        if (dt.Rows.Count != 0){
            Uid = Convert.ToInt32(dt.Rows[0][1]);
        }
        else{
            Response.Write("<script>alert('Your link is invalid or expired!');</script>");
            return;
        }
    }
    else{
        Response.Redirect("~/VerifyTutor3.aspx");
    }
}

protected void btnRegister_Click(object sender, EventArgs e)
{
    if(drpwnlstSecQues.SelectedIndex==0)
    {
        lblError.Text = "Please select Security Question";
    }
    else
    {
        lblError.Text = "";
        using (SqlConnection con = new SqlConnection(CS))
        {
            String mycon = ConfigurationManager.ConnectionStrings["dbcon"].ConnectionString;
            SqlConnection con1 = new SqlConnection(mycon);
            con.Open();
            string query = "update RegisterTut_Table1 set tut_Password='"
                + txtPassword.Text + "',tut_Ques='"
                + drpwnlstSecQues.SelectedValue + "',"
                + "tut_Ans='"
                + txtAns.Text + "',Created_On= getdate() where tut_ID='"
                + Uid + "'";
            SqlCommand cmd = new SqlCommand(query, con);
            SqlCommand cmd2 = new SqlCommand("select tut_ID,tut_FirstName from RegisterTut_Table1 where tut_ID='"
                + Uid + "'", con);
            cmd2.ExecuteNonQuery();
            Session["tut_ID"] = lblID.Text;
            Session["tut_FirstName"] = lblFirstName.Text;
            cmd.ExecuteNonQuery();
            SqlCommand cmd3 = new SqlCommand("delete from GUID_Tut_Table where UID='"
                + Uid + "'", con);
            cmd3.ExecuteNonQuery();
            Response.Redirect("UploadVideo.aspx");
        }
    }
}
```

## Tutor Login:

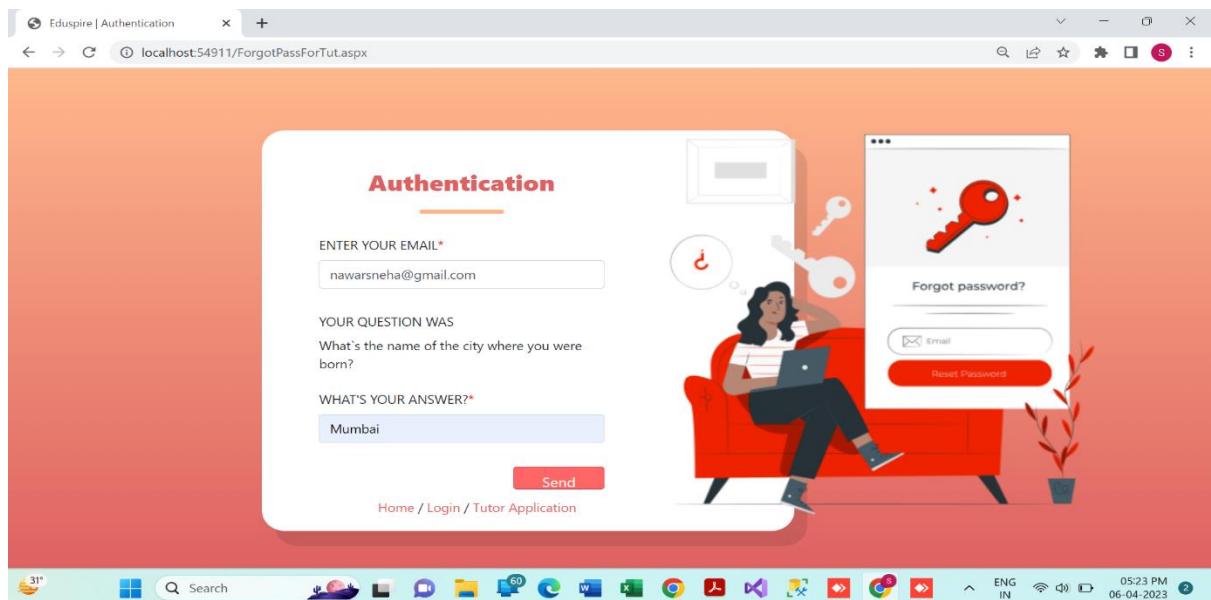
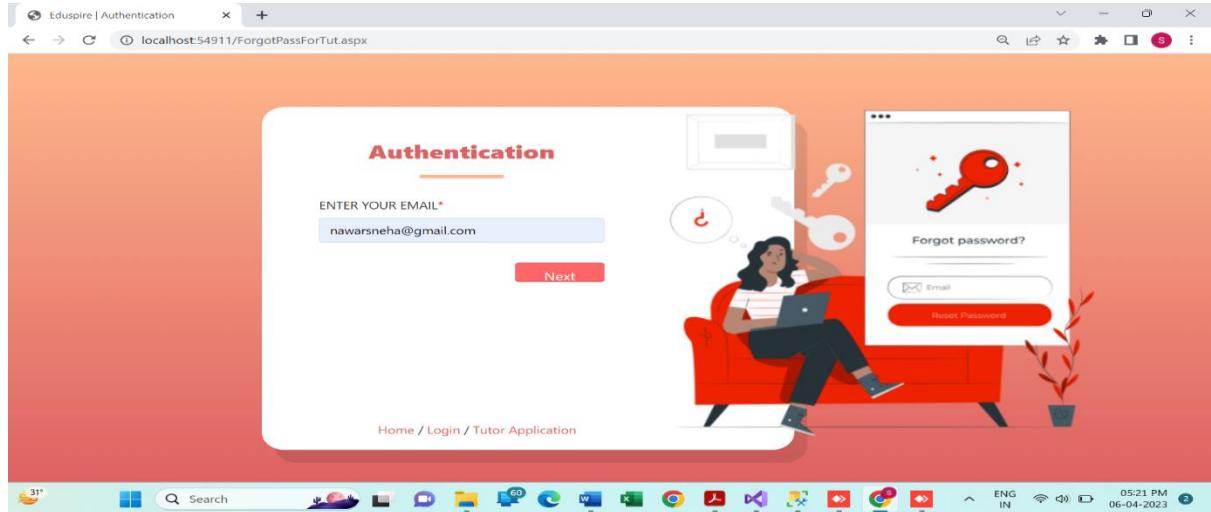


## Description:

- If the tutor forgot the login credentials (password) he will then click on forgot password from where he will get a link via provided email id to reset his password, he then will be able to log in with the new password.

```
else if (CheckTutor() == true)
{
    con.Open();
    SqlCommand cmd = new SqlCommand("select * from RegisterTut_Table1 where tut_EmailID='" + txtEmailID.Text + "' and tut_Password='" + txtPassword.Text + "' ", con);
    SqlDataAdapter sda = new SqlDataAdapter(cmd);
    DataTable dt = new DataTable();
    sda.Fill(dt);
    cmd.ExecuteNonQuery();
    con.Close();
    if (dt != null && dt.Rows.Count != 0)
    {
        foreach (DataRow row in dt.Rows)
        {
            Session["tut_ID"] = row["tut_ID"].ToString();
            Session["tut_FirstName"] = row["tut_FirstName"].ToString();
            Session["tut_LastName"] = row["tut_LastName"].ToString();
            Session["tut_ContactNo"] = row["tut_ContactNo"].ToString();
            Session["tut_EmailID"] = row["tut_EmailID"].ToString();
            Session["tut_Gender"] = row["tut_Gender"].ToString();
            Session["Created_On"] = row["Created_On"].ToString();
        }
        Response.Redirect("UploadVideo.aspx");
    }
    else
    {
        Response.Write("<script>alert('The entered credentials are incorrect.')</script>");
    }
}
else
{
    Response.Write("<script>alert('No account exists corresponds with entered credentials.')</script>");
}
```

## Forgot Password:

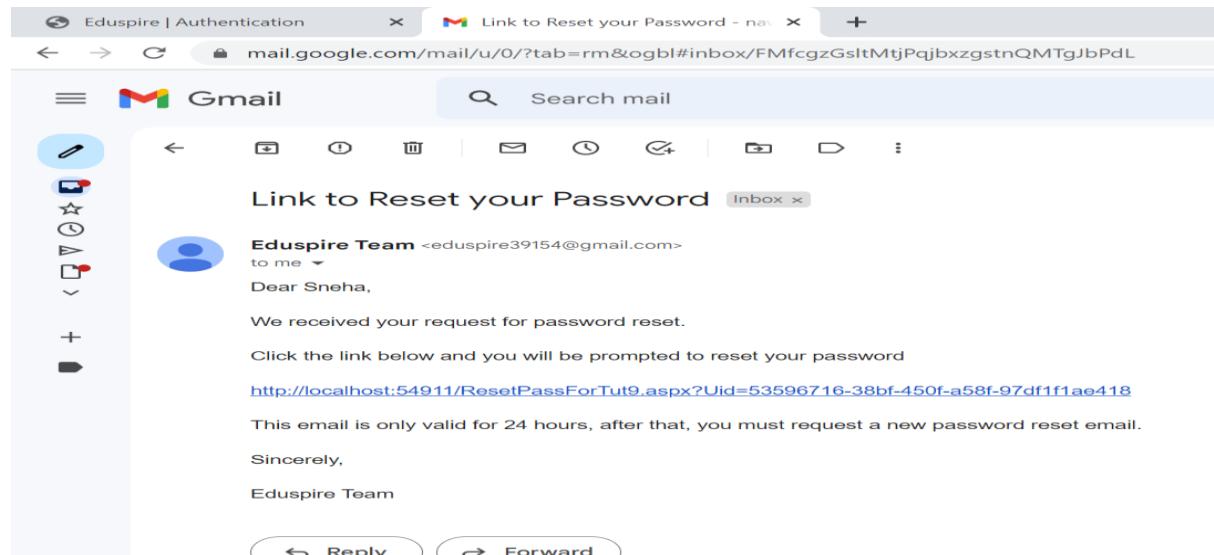


### Description:

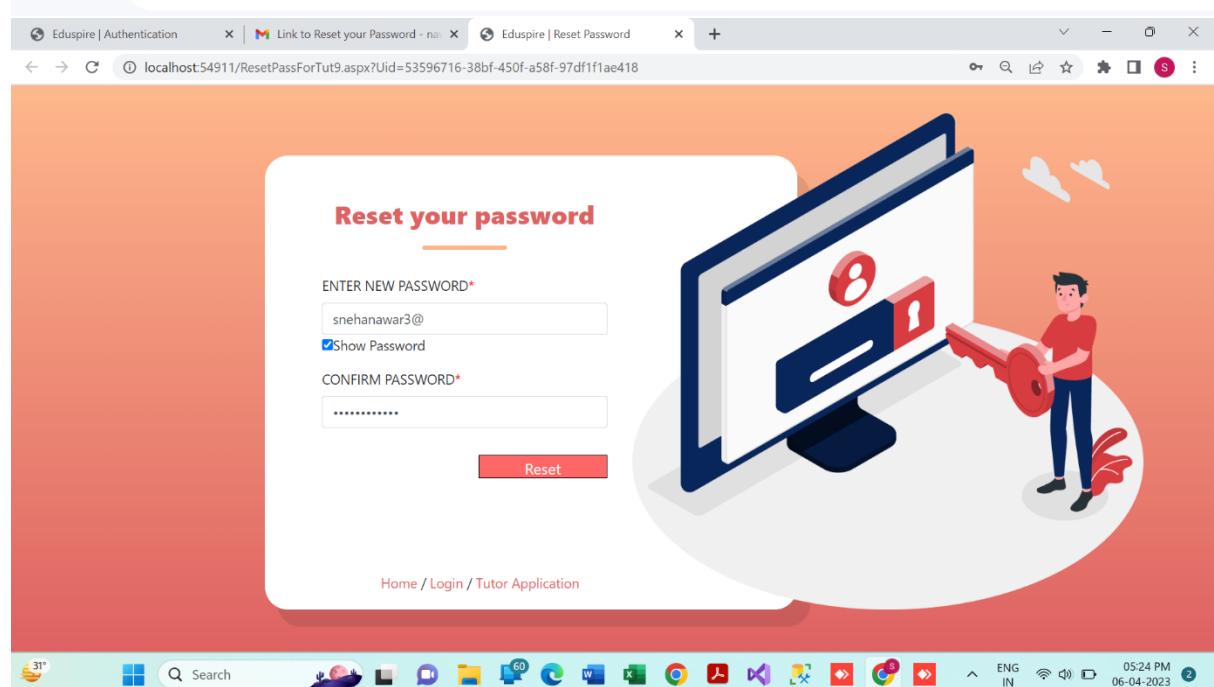
- In Forgot Password Page user have to enter his/her registered email.
- Then he will be asked a security question provided by the user itself while registering.
- If he answers it correctly, he is an authenticated user then he can reset his password.

```
String ToEmailAddress = dt.Rows[0][4].ToString();
String Username = dt.Rows[0][1].ToString();
String EmailBody = "Dear " + Username + ",  
<br/> We received your request for password reset.  
<br/> Click the link below and you will be prompted to reset your password" +
" <br/><br/> This email is only valid for 24 hours, after that, you must request a new password reset email." +
"<br/><br/>Sincerely,  
<br/>Eduspire Team";
MailMessage PassRecMail = new MailMessage("eduspire39154@gmail.com", ToEmailAddress);
PassRecMail.Body = EmailBody;
string fromaddress = "Eduspire Team <eduspire39154@gmail.com>";
PassRecMail.From = new MailAddress(fromaddress);
PassRecMail.IsBodyHtml = true;
PassRecMail.Subject = "Link to Reset your Password";
PassRecMail.Priority = MailPriority.High;
SmtpClient SMTP = new SmtpClient("smtp.gmail.com", 587);
SMTP.DeliveryMethod = SmtpDeliveryMethod.Network;
SMTP.UseDefaultCredentials = false;
SMTP.Credentials = new NetworkCredential()
{
    UserName = "eduspire39154@gmail.com",
    Password = "dmrqnnquauxlqrm"
};
SMTP.EnableSsl = true;
SMTP.Send(PassRecMail);
Response.Write("<script>alert('Password reset information should reach you shortly via Email.');" + "</script>");
txtEmailID.Text = "";
```

## Link to Reset Password:



The screenshot shows a Gmail inbox with an email from 'Eduspire Team' with the subject 'Link to Reset your Password'. The email body contains a message to 'Dear Sneha,' stating they received a password reset request and providing a link: <http://localhost:54911/ResetPassForTut9.aspx?Uid=53596716-38bf-450f-a58f-97df1f1ae418>. It also mentions the link is valid for 24 hours.



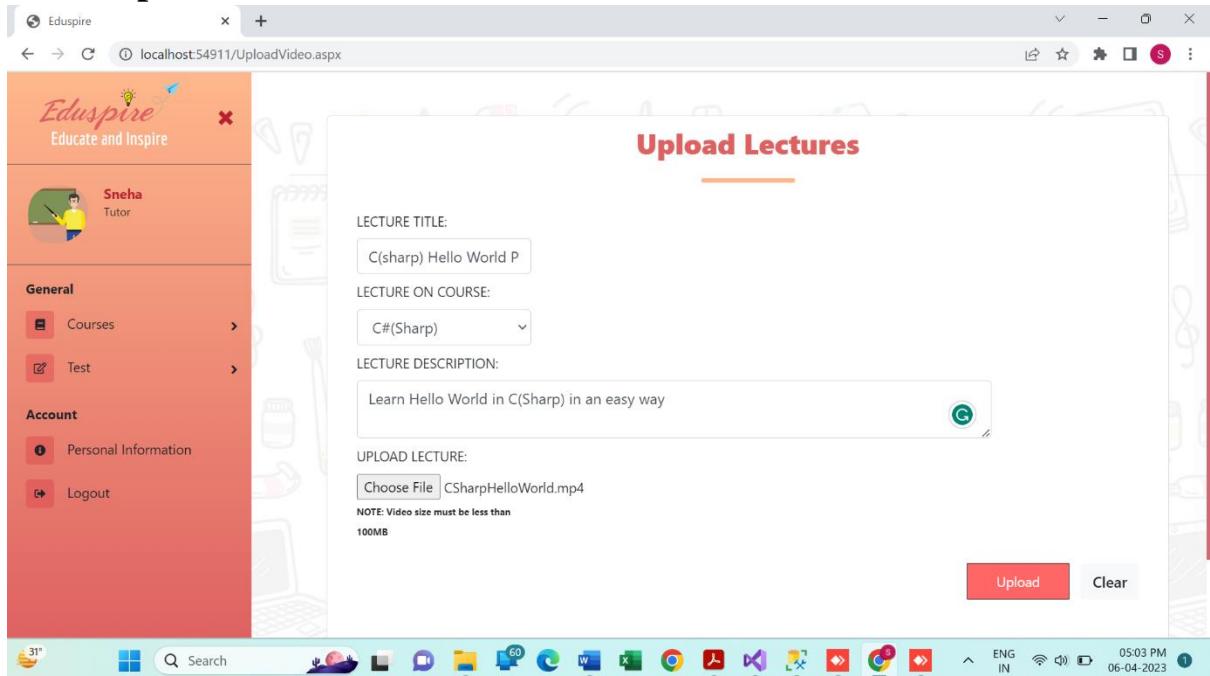
The screenshot shows a web browser displaying a password reset page titled 'Reset your password'. The page has fields for 'ENTER NEW PASSWORD\*' and 'CONFIRM PASSWORD\*', both containing 'snehanawar3@'. There is a 'Show Password' checkbox checked. A 'Reset' button is at the bottom. To the right of the form is a cartoon illustration of a person holding a large red key, pointing it towards a computer monitor which displays a user icon and a lock icon. Below the form is a navigation bar with 'Home / Login / Tutor Application'.

### Description:

- After clicking the link sent on email user can reset his/her new password and can again login with newly updated password.

```
using (SqlConnection con = new SqlConnection(CS))
{
    SqlCommand cmd = new SqlCommand("update RegisterTut_Table1 set tut_Password=''" + txtNewPass.Text + "' where tut_ID=''" + Uid + "'", con);
    con.Open();
    cmd.ExecuteNonQuery();
    SqlCommand cmd2 = new SqlCommand("delete from GUID_Tut_Table where UID=''" + Uid + "'", con);
    cmd2.ExecuteNonQuery();
    Response.Write("<script>alert('Password changed successfully!!!');</script>");
}
```

## Tutor Upload's Lectures:



### Description:

- The tutor will upload recorded video lectures clarifying a few concepts concerning the course.
- Which the students will be able to watch or download to watch later.

```
protected void btnUpload_Click(object sender, EventArgs e)
{
    string filename = Path.GetFileName(FileUpload1.FileName);
    string[] validFileTypes = { ".mp4"};
    string ext = System.IO.Path.GetExtension(FileUpload1.PostedFile.FileName);
    bool isValidFile = false;
    for (var i = 0; i < validFileTypes.Length; i++)
    {
        if (ext == validFileTypes[i])
        {
            isValidFile = true;
            break;
        }
    }
    if (txtTitle.Text=="")
    else if(Validtitle()==false)
    else if (DropDownList1.SelectedIndex == 0)
    else if(!isValidFile)
    else if(FileUpload1.PostedFile.ContentLength < 104857600)
    {
        ClearPrevErrors();
        string dbcon = ConfigurationManager.ConnectionStrings["dbcon"].ConnectionString;
        SqlConnection sqlcon = new SqlConnection(dbcon);
        FileUpload1.SaveAs(Server.MapPath("~/VideoFile/") +
        Path.GetFileName(FileUpload1.FileName));
        String link = "VideoFile/" + Path.GetFileName(FileUpload1.FileName);
        link = "<Video width=400 Controls><Source src=" + link + " type=video/mp4></video>";
        String query = "insert into Video_Table12 (ID,tut_ID,Title,VideoOnCourse,Description,VideoPath,UploadedOn) values" +
        "(" + lblID.Text + "','" + lblTut_ID.Text + "','" + txtTitle.Text + "','" + DropDownList1.SelectedValue + "','" +
        txtDes.Text + "','" + link + "','" + getdate() + ")";
        SqlCommand cmd = new SqlCommand(query, sqlcon);
        sqlcon.Open(); ;
        cmd.ExecuteNonQuery();
        sqlcon.Close();
        Response.Write("<script>alert('Lecture uploaded Successfully!')</script>");
        txtTitle.Text = "";
        txtDes.Text = "";
    }
}
```

## Uploaded Lectures:

The screenshot shows a web application titled 'Lectures Management'. On the left, there is a sidebar with the 'Eduspire Educate and Inspire' logo and a user profile for 'Sneha Tutor'. The main content area has a search bar labeled 'LECTURE ON COURSE:' with the placeholder 'Enter Course Name'. Below it are two video thumbnails for uploaded lectures. The first video is titled 'Csharp If Else Program' and the second is 'Csharp Hello World Program'. Both videos show a progress bar at 0.00 / 0.56 and 0.00 / 0.57 respectively. At the bottom of the page, there is a navigation bar with various icons and a status bar showing '05:05 PM 06-04-2023'.

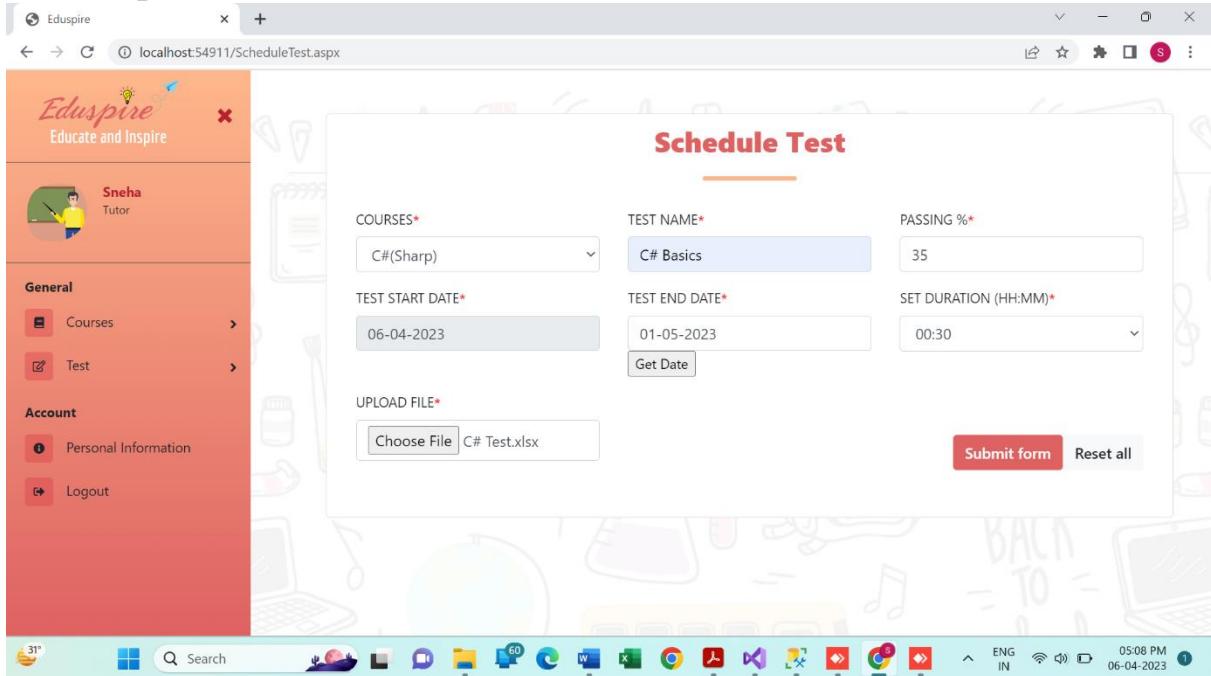
ID	Tutor's Email	Title	Course Type	Uploaded on	Lecture Video	Delete
3	nawarsneha@gmail.com	Csharp If Else Program	C#(Sharp)	06-04-2023 5:02:26 PM		<a href="#">Delete</a>
4	nawarsneha@gmail.com	Csharp Hello World Program	C#(Sharp)	06-04-2023 5:04:17 PM		<a href="#">Delete</a>

```

protected void Page_Load(object sender, EventArgs e)
{
    if (Session["tut_ID"] != null)
    {
        lblID.Text = Session["tut_ID"].ToString();
    }
    else
    {
        Response.Redirect("HomePage.aspx");
    }
    if (!IsPostBack)
    {
        lblID.Text = Session["tut_ID"].ToString();
        LoadRecord();
    }
}
4 references
private void LoadRecord()
{
    lbl.Text = "All uploaded lectures";
    SqlConnection con = new SqlConnection(mycon);
    SqlCommand comm = new SqlCommand("select Video_Table12.ID,Video_Table12.tut_ID," +
        "Video_Table12.Title,Video_Table12.VideoOnCourse,Video_Table12.Description," +
        "Video_Table12.VideoPath,Video_Table12 UploadedOn,RegisterTut_Table1.tut_EmailID" +
        " from Video_Table12,RegisterTut_Table1 where Video_Table12.tut_ID = RegisterTut_Table1.tut_ID " +
        "and Video_Table12.tut_ID=' " + lblID.Text + " ',con");
    SqlDataAdapter d = new SqlDataAdapter(comm);
    DataTable dt = new DataTable();
    d.Fill(dt);
    GridView1.DataSource = dt;
    GridView1.DataBind();
}

```

## Tutor Upload's Test:



### Description:

- The tutor will then upload the tests for students concerning the test, first, he will schedule the test bearing information regarding the test name course name start date end date duration for the test, and even the passing percentage to clear the test.

```
Random rnd1 = new Random(10);
string path = rnd1.Next() + Path.GetFileName(Idupload.FileName);
path = path.Replace(" ", "");
Idupload.SaveAs(Server.MapPath("~/ExcelFile/") + path);
String ExcelPath = Server.MapPath("~/ExcelFile/") + path;
OleDbConnection mycon = new OleDbConnection("Provider = Microsoft.ACE.OLEDB.12.0; Data Source = " + ExcelPath + "; Extended Properties=Excel 8.0; Persist Security Info = False");
mycon.Open();
OleDbCommand cmd = new OleDbCommand("select * from [Sheet1$]", mycon);
OleDbDataReader dr = cmd.ExecuteReader();
string query = @"INSERT INTO [dbo].[TestDetails] ([TestName] ,[Courses],[PassingPer] ,"
    "[TestStartDate],[TestEndDate],[TestDuration],[CreatedBy])"
    +"VALUES('"+txtName.Text.ToString()+"','"+'+CoursesList.SelectedValue.ToString()+"','"+'+TxtMarks.Text.ToString()+"'
    "','"'+txtStart.Text.ToString()+"','"+'+txtEnd.Text.ToString()+"','"+'+DropDownList1.SelectedValue.ToString()+"','"
    +Session["tut_ID"].ToString()+"'); SELECT CAST(scope_identity() AS int)";
String mycon1 = ConfigurationManager.ConnectionStrings["dbcon"].ConnectionString;
SqlConnection con1 = new SqlConnection(mycon1);
con1.Open();
SqlCommand cmd1 = new SqlCommand();
cmd1.CommandText = query;
cmd1.Connection = con1;
int newID = (int)cmd1.ExecuteScalar();
while (dr.Read())
{
    if (dr[0].ToString() != "")
    {
        string Questions = dr[0].ToString();
        string Option1 = dr[1].ToString();
        string Option2 = dr[2].ToString();
        string Option3 = dr[3].ToString();
        string Option4 = dr[4].ToString();
        string Answer = dr[5].ToString();
        savedata(newID, Questions, Option1, Option2, Option3, Option4, Answer);
    }
}
```

## Uploaded Test:

Test Name	Course Name	Minimun Passing %	Test Start Date	Test valide till Date	Total Number of Questions	Test Duration (HH:MM)
Python for Beginners	Python	35	06-04-2023	05-01-2023 12:00:00 AM	20	00:30
C# Basics	C#(Sharp)	35	06-04-2023	05-01-2023 12:00:00 AM	25	00:30

```
public void GetExamDetails()
{
    SqlConnection con = new SqlConnection(CS);
    SqlCommand cmd = new SqlCommand("SELECT [id] ,[TestName] ,[Courses] ,[PassingPer] ,[TestStartDate] ,[TestEndDate] ,[TestDuration], " +
        "isnull((select count(id) from[dbo].[Questions] whereTestId = ts.[id]),0) as TotalQuestions, " +
        "isnull((select count(id) from[dbo].[ResultTable] where Test_id = ts.[id] and stu_ID = " + Session["tut_ID"] + "),0) as TotalAttempts, " +
        "isnull((select count(id) from[dbo].[ResultTable] where Test_id = ts.[id] and IsPass = 1 and stu_ID =" + Session["tut_ID"] + "),0) as IsPass " +
        " FROM [dbo].[TestDetails] ts order by id desc", con);
    SqlDataAdapter sda = new SqlDataAdapter(cmd);
    DataSet ds = new DataSet();
    sda.Fill(ds);
    GridView1.DataSource = ds;
    GridView1.DataBind();
}
```

## Student Registration:

Welcome! To get started, create an account

FIRST NAME*	Shradha	LAST NAME*	Malewadkar
CONTACT NUMBER*	7301150682	E-MAIL ID*	malewadkarshradha@gmail.com Your email is verified successfully.
DATE OF BIRTH(DOB)*	01-03-2003	GENDER*	<input type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Other
ENTER PASSWORD*	shradha1@ <input checked="" type="checkbox"/> Show Password	CONFIRM PASSWORD*	*****
SELECT A SECURITY QUESTION*	What's was your first pet's name	WHAT'S YOUR ANSWER?*	Bino

```
protected void btnRegister_Click(object sender, EventArgs e)
{
    if(drpwnlStSecQues.SelectedIndex==0){
        lblError.Text = "Please enter Security Question";
    }
    else{
        lblError.Text = "";
        String mycon = ConfigurationManager.ConnectionStrings["dbcon"].ConnectionString;
        SqlConnection con = new SqlConnection(mycon);
        con.Open();
        string query = "insert into Registerstu_Table5 (stu_ID,stu_FirstName,stu_LastName,stu_ContactNo,stu_EmailID,stu_DOB,stu_Gender,stu_Password,stu_Ques,stu_Ans,Created_On) " +
            " values ('" + lblStuIDNo.Text + "','" + txtFirstName.Text + "','" + txtLastName.Text + "','" + txtContactNo.Text + "','" + lbl2EmailID.Text + "','" + txtDOB.Text + "','" +
            "','" + radiobtnlstGender.SelectedValue + "','" + txtPassword.Text + "','" + drpwnlStSecQues.SelectedValue + "','" + txtAns.Text + "',getdate())";
        SqlCommand cmd = new SqlCommand(query, con);
        cmd.ExecuteNonQuery();
        con.Close();
        Session["stu_ID"] = lblStuIDNo.Text;
        Session["stu_FirstName"] = txtFirstName.Text;
        Session["stu_ContactNo"] = txtContactNo.Text;
        Response.Redirect("PlanSelection.aspx");
    }
}
```

## Student Login & Payment:

The image consists of three vertically stacked screenshots of a web application. The top screenshot shows a 'Login to Eduspire' form with fields for email and password, and options to log in or register. The middle screenshot shows a 'Select the plan' page with three options: 'BASIC' (99₹/month), 'PLUS' (149₹/6Months), and 'PRO' (299₹/Year). Each plan includes a list of features like Lecture Videos, Assessment/Certificate, and resume. The bottom screenshot shows the same 'Select the plan' page, likely a duplicate or a different view of the same content.

### Description:

- while login in to eduspire for the first time he will be redirected to the plan selection page where he is supposed to select the plan interested. after selecting the plan, he will now be asked for payment where he can choose any online method for payment.

```
protected void btnProceed_Click(object sender, EventArgs e)
{
    Response.Redirect(string.Format("Checkout.aspx?Name={0}&Email={1}&Contact={2}&Plan={3}&Amount={4}",
        txtName.Text, txtEmail.Text, txtContact.Text, txtPlan.Text, txtAmount.Text));
}

protected void Basic_Click(object sender, EventArgs e)
{
    string Amount = lblBasic.Text;
    string Plan = "Basic";
    string EmailID = Session["stu_EmailID"].ToString();
    Response.Redirect(string.Format("Checkout.aspx?Name={0}&Email={1}&Contact={2}&Plan={3}&Amount={4}&stu_ID={5}",
        Hidden_stu_FName.Value, EmailID, Hidden_stu_ContactNo.Value, Plan, Amount, Hidden_stu_ID.Value));
}

protected void Plus_Click(object sender, EventArgs e)
{
    string Amount = lblPlus.Text;
    string Plan = "Plus";
    string EmailID = Session["stu_EmailID"].ToString();
    Response.Redirect(string.Format("Checkout.aspx?Name={0}&Email={1}&Contact={2}&Plan={3}&Amount={4}&stu_ID={5}",
        Hidden_stu_FName.Value, EmailID, Hidden_stu_ContactNo.Value, Plan, Amount, Hidden_stu_ID.Value));
}

protected void Pro_Click(object sender, EventArgs e)
{
    string Amount = lblPro.Text;
    string Plan = "Pro";
    string EmailID = Session["stu_EmailID"].ToString();
    Response.Redirect(string.Format("Checkout.aspx?Name={0}&Email={1}&Contact={2}&Plan={3}&Amount={4}&stu_ID={5}",
        Hidden_stu_FName.Value, EmailID, Hidden_stu_ContactNo.Value, Plan, Amount, Hidden_stu_ID.Value));
}
```

## Payment:



[Pay with Razorpay](#)

```

protected void Page_Load(object sender, EventArgs e)
{
    AutoID();
    Amount = (Convert.ToInt32(Request.QueryString["Amount"]) * 100).ToString();
    Contact = Request.QueryString["Contact"].ToString();
    Name = Request.QueryString["Name"].ToString();
    Plan = Request.QueryString["Plan"].ToString();
    Email = Request.QueryString["Email"].ToString();
    stu_ID = Request.QueryString["stu_ID"].ToString();

    Dictionary<string, object> input = new Dictionary<string, object>();
    input.Add("amount", Amount);
    input.Add("currency", "INR");
    input.Add("payment_capture", 1);

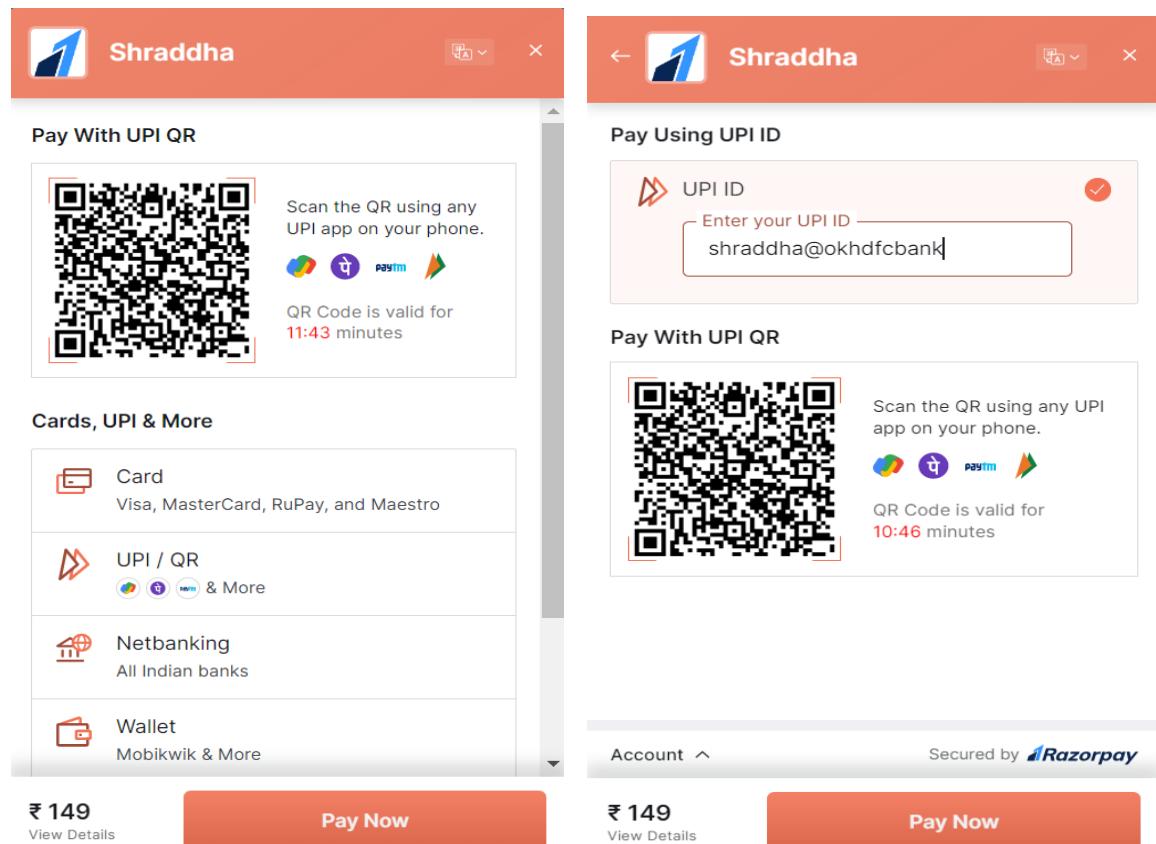
    string key = "rzp_test_4Zm2Ep0RJLzSqw";
    string secret = "x30eh1D7IAkN8UBTBqxRD68M";

    RazorpayClient client = new RazorpayClient(key, secret);

    Razorpay.Api.Order order = client.Order.Create(input);
    OrderID = order["id"].ToString();

    string Amount1 = Convert.ToInt32(Request.QueryString["Amount"]).ToString();
    string Status = "Pending";
    string constr = WebConfigurationManager.ConnectionStrings["dbcon"].ConnectionString;
    SqlConnection con = new SqlConnection(constr);
    con.Open();
    string query = "Insert into PaymentDetails_Table11(ID,stu_ID,Pay_ID,PlanName,Amount,Status)" +
        " Values('"+lblID.Text+"','"+stu_ID+"','"+OrderID+"','"+Plan+"','"+Amount1+"','"+Status+"')";
    SqlDataAdapter da = new SqlDataAdapter(query, con);
    da.SelectCommand.ExecuteNonQuery();
    con.Close();
}

```



The image shows two side-by-side payment interface windows for 'Shraddha'.

**Left Window (Pay With UPI QR):**

- Header: Shraddha
- Section: Pay With UPI QR
- QR Code: A large QR code with a red border. Below it: "Scan the QR using any UPI app on your phone." and logos for Google Pay, BHIM, Paytm, and PhonePe. Below that: "QR Code is valid for 11:43 minutes".
- Section: Cards, UPI & More
  - Card: Visa, MasterCard, RuPay, and Maestro
  - UPI / QR: BHIM, Paytm, PhonePe, & More
  - Netbanking: All Indian banks
  - Wallet: MobiKwik & More
- Amount: ₹ 149
- Buttons: View Details and Pay Now

**Right Window (Pay Using UPI ID):**

- Header: Shraddha
- Section: Pay Using UPI ID
- Text: "Enter your UPI ID" followed by a text input field containing "shraddha@okhdfcbank". A checkmark icon is next to the input field.
- Section: Pay With UPI QR
- QR Code: A large QR code with a red border. Below it: "Scan the QR using any UPI app on your phone." and logos for Google Pay, BHIM, Paytm, and PhonePe. Below that: "QR Code is valid for 10:46 minutes".
- Section: Account ▾ Secured by **Razorpay**
- Amount: ₹ 149
- Buttons: View Details and Pay Now



**Payment successful**

₹ 149

Shraddha

Apr 6, 2023 | 05:32 PM

UPI | pay\_LaUyexCD27z42h 

Visit razorpay.com/support for queries

Redirecting in 3 seconds...

```

try
{
    string paymentId = Request.Form["razorpay_payment_id"];
    string orderId = Request.Form["razorpay_order_id"];
    string signature = Request.Form["razorpay_signature"];

    string key = "rzp_test_4Zm2Ep0RJLzSqw";
    string secret = "x3Oeh1D7IAkN8UBTBqxRD68M";

    RazorpayClient client = new RazorpayClient(key, secret);

    Dictionary<string, string> attributes = new Dictionary<string, string>();

    attributes.Add("razorpay_payment_id", paymentId);
    attributes.Add("razorpay_order_id", orderId);
    attributes.Add("razorpay_signature", signature);

    Utils.verifyPaymentSignature(attributes);
    pTxnId.InnerText = paymentId;
    pOrderId.InnerText = orderId;
    lblOrderID.Text = orderId;
    Session["OrderID"] = lblOrderID.Text;

    SqlConnection con = new SqlConnection(constr);
    con.Open();
    string query = "update PaymentDetails_Table11 set CreatedDate= getdate()," +
        "Status='Successful',Date='" + lblDate.Text + "' where Pay_ID='" + orderId + "'";
    SqlDataAdapter da = new SqlDataAdapter(query, con);

    da.SelectCommand.ExecuteNonQuery();

    SqlCommand cmd = new SqlCommand("select * from PaymentDetails_Table11 " +
        "where Pay_ID= '" + orderId + "'", con);
    SqlDataAdapter sda = new SqlDataAdapter(cmd);
    DataTable dt = new DataTable();
    sda.Fill(dt);
    cmd.ExecuteNonQuery();
    string stu_ID = null;
    string PlanName = null;

    if (dt != null && dt.Rows.Count != 0){
        foreach (DataRow row in dt.Rows)
        {
            stu_ID = row["stu_ID"].ToString();
            PlanName = row["PlanName"].ToString();
        }
    }
    lblstu_ID.Text = stu_ID;
    Session["stu_ID"] = lblstu_ID.Text;
    string query1 = "";
    if (PlanName.ToLower() == "basic")
    {
        query1 = "update RegisterStu_Table5 set PlanName= '" + PlanName + "',PlanStartDate=getdate()," +
            "IsPlanActive=1,PlanEndDate= DATEADD(MONTH, 1, getdate()) where stu_ID='"
            + stu_ID + "'";
    }
    if (PlanName.ToLower() == "plus")
    {
        query1 = "update RegisterStu_Table5 set PlanName= '" + PlanName + "',PlanStartDate=getdate()," +
            "IsPlanActive=1,PlanEndDate= DATEADD(MONTH, 6, getdate()) where stu_ID='"
            + stu_ID + "'";
    }
    if (PlanName.ToLower() == "pro")
    {
        query1 = "update RegisterStu_Table5 set PlanName= '" + PlanName + "',PlanStartDate=getdate()," +
            "PlanEndDate= DATEADD(year, 1, getdate()),IsPlanActive=1 where stu_ID='"
            + stu_ID + "'";
    }
    SqlDataAdapter da1 = new SqlDataAdapter(query1, con);
    da1.SelectCommand.ExecuteNonQuery();
    h1Message.InnerText = "Transaction Successful";
}

```

Eduspire

X +

localhost:54911/PaymentResponse.aspx

# Transaction Successful

[Click here to continue](#)

[Home](#)

[Generate Invoice](#)

## Download Invoice:

The screenshot shows two views of an invoice. The top view is a web-based invoice page with the title 'INVOICE' and 'EDUSPIRE'. It displays payment information: Name (Shraddha Malewadkar), Contact No. (7301150682), Email ID (malewadkarshraddha@gmail.com), Plan Name (Plus), Payment ID (order\_LaUyHHW4taI5v7), Payment Date (06-04-2023 5.32.47 PM), Amount (INR) (Rs.149), and Payment Status (Successful). A message at the top says 'We have received your Payment!' and 'Thank you for choosing us!'. Below the table is a red 'Download Invoice' button. The bottom view is a PDF document titled 'INVOICE' from 'EDUSPIRE' showing the same payment details. Both screens are displayed side-by-side in a window.

## Description:

- After successful payment invoice will be generated which will be then downloaded in pdf.

```
private void exportpdf()
{
    Response.ContentType = "application/pdf";
    Response.AddHeader("content-disposition", "attachment;filename=Invoice_" + lblstu_ID.Text + ".pdf");
    Response.Cache.SetCacheability(HttpCacheability.NoCache);
    StringWriter sw = new StringWriter();
    HtmlTextWriter hw = new HtmlTextWriter(sw);
    Panel1.RenderControl(hw);
    StringReader sr = new StringReader(sw.ToString());
    Document pdfDoc = new Document(PageSize.A4, 10f, 10f, 100f, 0f);
    HTMLWorker htmlparser = new HTMLWorker(pdfDoc);
    PdfWriter.GetInstance(pdfDoc, Response.OutputStream);
    pdfDoc.Open();
    htmlparser.Parse(sr);
    pdfDoc.Close();
    Response.Write(pdfDoc);
    Response.End();
}
```

## Courses Page:

The screenshot shows a web browser window for 'Eduspire' with the URL 'localhost:54911/CoursesStu.aspx'. The page has a light blue background with a school-themed illustration. On the left is a vertical orange sidebar with user info ('Shraddha Student') and navigation links ('General: Courses, Test, Resume', 'Account: Personal Information, Logout'). The main area displays six cards about programming languages: Python (blue icon), Java (red coffee cup icon), HTML (orange 'H5' icon), C# (purple icon), C++ (blue icon), and DBMS (green icon). Each card contains a brief description and a link to 'Explore More...'. The status bar at the bottom shows system icons and the date/time '06-04-2023 05:38 PM'.

The screenshot shows a web browser window for 'Eduspire' with the URL 'localhost:54911/C(Sharp).aspx'. The page title is 'C#(Sharp) Certification Course'. It features a large image of a computer screen displaying C# code in a hexagonal frame. Below the image is a green 'Proceed' button. A text block explains that the course is for experienced programmers or beginners learning object-oriented programming. Another text block describes the course as teaching how to develop video games using C# and Unity. The status bar at the bottom shows system icons and the date/time '06-04-2023 05:39 PM'.

The screenshot shows a web browser window for 'Eduspire' with the URL 'localhost:54911/C(Sharp)Lec.aspx'. The page title is 'C#(Sharp) Lectures'. It displays two video player components. The first video is titled '(sharp) If Else Program' by Sneha Nawar, uploaded on 06-04-2023 5.02.26 PM. The second video is titled '(sharp) Hello World Program' by Sneha Nawar, uploaded on 06-04-2023 5.04.17 PM. Both videos show a Unity game engine interface. The status bar at the bottom shows system icons and the date/time '06-04-2023 05:39 PM'.

## Test:

The screenshot shows the Eduspire platform interface. On the left, there is a sidebar with a user profile for "Shraddha Student" and navigation links for General (Courses, Test, Resume) and Account (Personal Information, Logout). The main content area displays "Exam Details" for two tests:

Test Name	Course Name	Minimum Passing %	Test Start Date	Test valid till Date	Total Number of Questions	Test Duration (HH:MM)	Number of Attempts
Python for Beginners	Python	35	06-04-2023	05-01-2023 12:00:00 AM	20	00:30	0
C# Basics	C#(Sharp)	35	06-04-2023	05-01-2023 12:00:00 AM	25	00:30	0

At the bottom right of the main content area, there are "Start Test" buttons for each test.

The screenshot shows the Eduspire platform interface. On the left, there is a sidebar with a user profile for "Shraddha Student" and navigation links for General (Courses, Test, Resume) and Account (Personal Information, Logout). The main content area displays "Exam Name: C# Basics" with the following details:

Exam Duration: Hours : Minutes 00:30  
Course Name: C#(Sharp)  
Passing Percentage: 35%  
Total Questions: 25  
Marks for each correct Answer: 4  
Total Marks: 100

**DISCLAIMER!!!**

- Student should try to attempt all Questions
- Genuine efforts will help you score well

**BEST OF LUCK FROM EDUSPIRE !!!**

At the bottom right of the main content area, there are "Start Exam" and "Close" buttons.

The screenshot shows the Eduspire platform interface. On the left, there is a sidebar with a user profile for "Shraddha Student" and navigation links for General (Courses, Test, Resume) and Account (Personal Information, Logout). The main content area displays "C# Basics" with the following information:

MCQ 1      Student name: Shraddha      Course type: C#(Sharp)      (1 of 25)

**Q. C# is a programming language, developed by \_\_\_\_.**

Oracle      Microsoft      GNU project      Google

At the bottom right of the main content area, there are "previous" and "next" buttons.

```

protected void SubmitExam_Click(object sender, EventArgs e)
{
    string QuestionId = HiddenFieldQId.Value;
    string Ans = HiddenFieldAns.Value;
    string tetsId = HiddenFieldTestId.Value;

    Session["TestID"] = HiddenFieldTestId.Value;

    SqlConnection con = new SqlConnection(cs);
    con.Open();
    SqlCommand cmd = new SqlCommand("select * from [dbo].[TestDetails] where id='" + tetsId + "' " +
        "select * from [dbo].[Questions] where TestId=" + tetsId, con);
    SqlDataAdapter sda = new SqlDataAdapter(cmd);
    DataSet ds = new DataSet();
    sda.Fill(ds);
    con.Close();
    string passingper = "";
    for (int i = 0; i < ds.Tables[0].Rows.Count; i++)
    {
        passingper = ds.Tables[0].Rows[i]["PassingPer"].ToString();
    }

    int Qcount = ds.Tables[1].Rows.Count;

    var ans1 = Ans.Split('|');
    int TotalMarks = 0;
    int TotalPER = 0;
    bool IsPass = false;
    int CorrectansCount = 0;
    int TotalQUE = Qcount;
    for (int i = 0; i < ans1.Count() - 1; i++)
    {
        var ans2 = ans1[i].Split(':');
        for (int j = 0; j < ds.Tables[1].Rows.Count; j++)
        {
            string id = ds.Tables[1].Rows[j]["id"].ToString();
            string Answer = ds.Tables[1].Rows[j]["Answer"].ToString();

            if (id == ans2[0])
            {
                if (Answer == ans2[1])
                {
                    CorrectansCount += CorrectansCount + 1;
                }
            }
        }
    }
    int eachQmarks = 100 / Qcount;
    TotalMarks = eachQmarks * CorrectansCount;
    TotalPER = (int)Math.Round((double)(100 * TotalMarks) / 100);
    if (Convert.ToInt32(passingper) <= TotalPER)
    {
        IsPass = true;
    }

    con.Open();

    string query = "INSERT INTO [dbo].[ResultTable] ([Test_Id],[stu_ID],[TotalMarks],[IsPass]," +
        "[TotalPercentage],[CorretAnsCount],[TotalQuestion])" +
        "VALUES('" + tetsId + "', '" + Session["stu_ID"].ToString() + "', '" + TotalMarks + "', '" +
        + IsPass + "', '" + TotalPER + "', '" + CorrectansCount + "', '" + TotalQUE + "')";
    SqlDataAdapter da = new SqlDataAdapter(query, con);

    da.SelectCommand.ExecuteNonQuery();
    if (IsPass)
    {
        Response.Redirect("PassPage.aspx");
    }
    else
    {
        Response.Redirect("Failed.aspx");
    }
}

```

## Score Card:

The screenshot shows a web browser window with the URL [localhost:54911/PassPage.aspx#](http://localhost:54911/PassPage.aspx#). The page has a decorative background with musical notes and school-related icons. At the top, it says **CONGRATULATIONS YOU HAVE PASSED THE TEST!**. Below that is a section titled **YOUR SCORE**. The student's details are listed as follows:

Student Name:	Shraddha
Student Email ID:	malewadkarshraddha@gmail.com
Test on Course:	C#(Sharp)
Test Name:	C# Basics
Total Questions:	25
Correct Answers:	22
Total Mark's :	88
Date:	06-04-2023 5.48.47 PM

At the bottom of the page are two buttons: **Download PDF** and **Get Certificate**.

## Downloaded Score Card PDF:

The screenshot shows a PDF document titled "Download Result (1).pdf - Adobe Acrobat Reader (64-bit)". The document contains the same information as the web page, including the student's name, email, course, total questions, correct answers, total marks, and date. The text is in green. The PDF is viewed in a standard Windows-style PDF reader.





```

<script src="jsfiles/html2canvas.min.js"></script>
<script src="jsfiles/pdfmake.min.js"></script>
<script type="text/javascript">
    function Export() {
        html2canvas(document.getElementById('GetPDF'), {
            onrendered: function (canvas) {
                var data = canvas.toDataURL();
                var docDefinition = {
                    content: [
                        {
                            image: data,
                            width: 500
                        }
                    ];
                pdfMake.createPdf(docDefinition).download("Certificate.pdf");
                alert("Certificate Downloading Started");
            }
        });
    }
</script>

```

```

protected void btnCertificate_Click(object sender, EventArgs e)
{
    string URL = "http://localhost:54911/Certificate.aspx?ID="
        + lbluserid.Text + "&FName=" + lblName.Text + "&LName=" + lblLastName.Text + "";
    lblURL.Text = URL.ToString();
    GenerateCode(lblURL.Text);
}
1 reference
private void GenerateCode(string link)
{
    var writer = new BarcodeWriter();
    writer.Format = BarcodeFormat.QR_CODE;
    var result = writer.Write(link);
    string path = Server.MapPath("~/QR/QRImage.jpg");
    var barcodeBitmap = new Bitmap(result);
    using (MemoryStream memory = new MemoryStream())
    {
        using (FileStream fs = new FileStream(path, FileMode.Create, FileAccess.ReadWrite))
        {
            barcodeBitmap.Save(memory, ImageFormat.Jpeg);
            byte[] bytes = memory.ToArray();
            fs.Write(bytes, 0, bytes.Length);
        }
    }
    Response.Redirect("Certificate.aspx?ID=" + lbluserid.Text +
        "&FName=" + lblName.Text + "&LName=" + lblLastName.Text);
}

```

## Resume:

The screenshots illustrate the process of creating a resume through an application interface.

**Personal Details:**

FIRST NAME*	MIDDLE NAME*	LAST NAME*
Shraddha	Santosh	Malewadkar
E-MAIL ADDRESS*	CONTACT NO.*	
malewadkarshraddha@gmail.com	7301150682	
RESIDENTIAL ADDRESS	KEY SKILLS	
Bandra East	Programming	
EMPLOYMENT		
Consult	Microsoft Dynamics 365	

**Project Details:**

PROJECT TITLE	PROJECT TAG	ENTER CLIENT
E learning	Eduispire	College
PROJECT STATUS	NATURE OF EMPLOYMENT	
In Progress	Full Time	

**Qualification Details:**

EDUCATION LEVEL*	BOARD NAME*	PASSING OUT YEAR*
Graduate	Maharashtra	2023
MEDIUM*	PASSING %*	
English	80%	

**Certification Details:**

CERTIFICATION NAME	CERTIFIED ON
C Course	06-04-2023

**IT Skills:**

SKILL NAME	LAST USED (YEAR)	WORK EXPERIENCE
C(Sharp) Programming	2022	2yrs

**Final PDF Output:**

RESUME  
Shraddha Santosh Malewadkar

**Personal Details**

Contact No.:	7301150682
Email ID:	malewadkarshraddha@gmail.com
Residential Address:	Bandra East
Key Skills:	Programming
Software Development:	Microsoft Dynamics 365

**Project Details**

Project Title:	E learning
Project Tag:	Eduispire
Client:	College
Project Status:	In Progress
Nature of Employment:	Full Time

**Qualification Details**

Education Level:	Graduate
Board Name:	Maharashtra
Passing out Year:	2023
Medium:	English
Passing %:	80%

**Certification Details**

Certificate Name:	C Course
Certified On:	2023-04-06

**Skills**

Skill Name:	C(Sharp) Programming
Work Experience:	2yrs

## Email for Candidate Rejection:

The screenshot shows two windows side-by-side. The left window is the 'Candidate Management' page from the Eduspire application. It has a sidebar with 'General' and 'Account' sections. The main area shows a table titled 'Applications To Approve/Reject' with one row for a candidate named Sneha. The right window is a Gmail inbox showing an email from 'Eduspire Team' with the subject 'Your application to Eduspire for the Tutor position'. The email body contains a rejection message.

ID	First Name	Last Name	Contact No	Email ID	DOB	Gender	File Name	Download	Approval	Reject	Applied On
13	Sneha	Nawar	9833003474	eduspire39154@gmail.com	04-02-1999 12.00.00 AM	Female	Certificate.pdf	<a href="#">Download</a>	<input type="radio"/>	<input checked="" type="radio"/>	04-04-2023 12.00.00 AM

**Email Body:**

Your application to Eduspire for the Tutor position

Eduspire Team <eduspire39154@gmail.com> to me 18:03 (2 minutes ago)

Dear Candidate,

Thank you for applying for Tutor. After carefully reviewing your qualifications, we have decided to pursue other candidates whom we feel more closely meet our needs at this time.

We appreciate your interest in Eduspire, and the time it took to apply with us. Please feel free to apply for positions with us in the future.

Again, thank you for considering us. We wish you success in your career pursuit.

Thanks & Regards  
Eduspire Team

## Display Candidate Applications to Admin:

The screenshot shows the same 'Candidate Management' page as the previous screenshot, but the table is titled 'All Applications' and includes columns for 'Approval Status' and 'Applied On'. It lists four applications, including the one previously shown as rejected.

ID	First Name	Last Name	Contact No	Email ID	DOB	Gender	File Name	Download	Approval Status	Applied On
2	Sneha	Nawar	9833003474	nawar.sneha154@sathyaycollege.edu.in	26-07-2001 12.00.00 AM	Female	Invoice (8).pdf	<a href="#">Download</a>	Approved	26-03-2023 12.00.00 AM
3	Sneha	Nawar	9833003474	abc@gmail.com	29-03-2000 12.00.00 AM	Female	Certificate.pdf	<a href="#">Download</a>	Approved	29-03-2023 12.00.00 AM
13	Sneha	Nawar	9833003474	eduspire39154@gmail.com	04-02-1999 12.00.00 AM	Female	Certificate.pdf	<a href="#">Download</a>	Rejected	04-04-2023 12.00.00 AM
14	Sneha	Nawar	9803033274	nawarsneha@gmail.com	03-10-2002 12.00.00 AM	Female	C Certificate.jpg	<a href="#">Download</a>	Approved	06-04-2023 12.00.00 AM

## Email Updation by Admin in Tutor Management:

ID	First Name	Last Name	Contact No.	Email ID	Gender	Password	Security Question	Security Answer	Created On	Edit
2	Sneha	Nawar	8268378262	nawar.sneha154@sathayecollege.edu.in	Female	navarsneha1@	What's your first pet's name?	Cookie	26-03-2023 12:00:00 AM	<a href="#">Edit</a>
3	Sneha	Nawar	7042374890	abc@gmail.com	Female	asdfghjk1@	What's the name of the city where you were born?	Gujrat	04-04-2023 12:00:00 AM	<a href="#">Edit</a>
14	Sneha	Nawar	9803033274	nawarsneha@gmail.com	Female	snehanawar3@	What's the name of the city where you were born?	Mumbai	06-04-2023 12:00:00 AM	<a href="#">Edit</a>

ID	First Name	Last Name	Contact No.	Email ID	Gender	Password	Security Question	Security Answer	Created On	Edit
2	Sneha	Nawar	8268378262	nawar.sneha154@sathayecollege.edu.in	Female	navarsneha1@	What's your first pet's name?	Cookie	26-03-2023 12:00:00 AM	<a href="#">Edit</a>
3	Sneha	Nawar	7042374890	abc@yahoo.com	Female	asdfghjk1@	What's the name of the city where you were born?	Gujrat	04-04-2023 12:00:00 AM	<a href="#">Edit</a>
14	Sneha	Nawar	9803033274	nawarsneha@gmail.com	Female	snehanawar3@	What's the name of the city where you were born?	Mumbai	06-04-2023 12:00:00 AM	<a href="#">Edit</a>

```

protected void btnUpdate_Click(object sender, EventArgs e)
{
    ClearPrevErrors();
    if (txtEmailID.Text != "")
    {
        if (ValidEmail() == false)
        {
            lblEmailError.Text = "Please enter valid Email";
        }
        else if (CheckEmailInRegister() == true)
        {
            lblEmailError.Text = "Entered Email already exists";
        }
        else
        {
            ClearPrevErrors();
            SqlConnection con = new SqlConnection(mycon);
            con.Open();
            SqlCommand comm = new SqlCommand("update RegisterTut_Table1 set tut_EmailID='" + txtEmailID.Text + "' where tut_ID=" + int.Parse(lblID.Text) + " ", con);
            comm.ExecuteNonQuery();
            con.Close();
            LoadRecord();
        }
    }
}

```

## Delete by Admin in Student Management:

**Student Management**

EMAIL ID: malewadkarshreddha@gmail.com FIRST NAME: Enter First Name LAST NAME: Enter Last Name CONTACT NO: Enter 10 digits Contact No.

SEARCH UPDATE DELETE SHOW ALL REGISTRATIONS Clear

**Student Registrations**

ID	First Name	Last Name	Contact No.	Email ID	DOB	Gender	Password	Security Question	Security Answer
8	Shradha	Malewadkar	7301150682	malewadkarshreddha@gmail.com	01-03-2003 12:00.00 AM	Female	shradha1@	What's was your first pet's name?	Bino

**Student Management**

EMAIL ID: malewadkarshreddha@gmail.com FIRST NAME: Enter First Name LAST NAME: Enter Last Name CONTACT NO: Enter 10 digits Contact No.

SEARCH UPDATE DELETE SHOW ALL REGISTRATIONS Clear

**Student Registrations**

ID	First Name	Last Name	Contact No.	Email ID	DOB	Gender	Password	Security Question	Security Answer
1	Sneha	Nawar	9833003474	nawar.sneha154@sathyayecollege.edu.in	26-08-2002 12:00.00 AM	Female	asd	What's was your first pet's name?	Cookie
2	Marry	Jones	9833003474	abc@gmail.com	26-03-2000 12:00.00 AM	Female	asd	What's was your first pet's name?	Cookie
3	Sneha	Nawar	9833003474	qwe@gmail.com	26-03-	Female	asd	What's	Cookie

```

protected void btnDelete_Click(object sender, EventArgs e)
{
    ClearPrevErrors();
    if (txtEmailID.Text == "")
    {
        lblEmailError.Text = "Please enter EmailID";
    }
    else if (ValidEmail() == false)
    {
        lblEmailError.Text = "Please enter valid Email";
    }
    else if (CheckEmailInRegister() == false)
    {
        lblEmailError.Text = "Entered Email doesn't exist";
    }
    else
    {
        lblEmailError.Text = "";
        SqlConnection con = new SqlConnection(mycon);
        con.Open();
        SqlCommand comm = new SqlCommand("delete RegisterStu_Table5 where" +
            " stu_EmailID='" + txtEmailID.Text + "'", con);
        comm.ExecuteNonQuery();
        con.Close();
        Response.Write("<script>alert('Successfully deleted!')</script>");
        LoadRecord();
    }
}

```

## Contact Us / Feedback Page:

**Contact Us/Feedback**  
**Contact for more Queries**

Email: eduspire39154@gmail.com

Name\*  
Shreya Kokare

Email ID\*  
shreya@gmail.com

Subject\*  
Inquiry regarding Payment

Message\*

How are we suppose to pay in cash? Do we have any alternate method for payment rather than online?

Send Message

Inquiry regarding Payment

eduspire39154@gmail.com to me 18:29 (2 minutes ago)

Sender Name : Shreya Kokare  
Sender Email : shreya@gmail.com  
Message : How are we suppose to pay in cash? Do we have any alternate method for payment rather than online?

Reply Forward

**Queries Management**

**RESPONSE TO QUERIES**

SENDER EMAIL ID: shreya@gmail.com SUBJECT: solution for your query

MESSAGE:  
We do not accept any other payment mode. Sorry for your inconvenience

Send Search SHOW ALL RECORDS

ID	Name	Email ID	Subject	Message	Send On	Replied Message	Replied On	Select Email
1	Shreya Kokare	shreya@gmail.com	Inquiry regarding Payment	How are we suppose to pay in cash? Do we have any alternate method for payment rather than online?	06-04-2023 6:29:41 PM	We do not accept any other payment mode. Sorry for your inconvenience	06-04-2023 6:35:52 PM	Select

## Admin adding new Courses:

The screenshot shows a web-based application titled "Courses Management". On the left, there is a sidebar with a logo for "Eduspire Educate and Inspire" and a user icon labeled "Admin". The sidebar contains navigation links for "General" (Users, Courses, Payment, Test) and "Account" (Personal Information, Logout). The main content area has a heading "Courses Management" and a sub-section "Active Courses". A table displays nine courses with columns for ID, Course Name, and Created On. At the top of the main content area, there is a text input field containing "Flutter" and two buttons: "ADD" and "DELETE". The status bar at the bottom shows system information like battery level, search, taskbar icons, and the date/time.

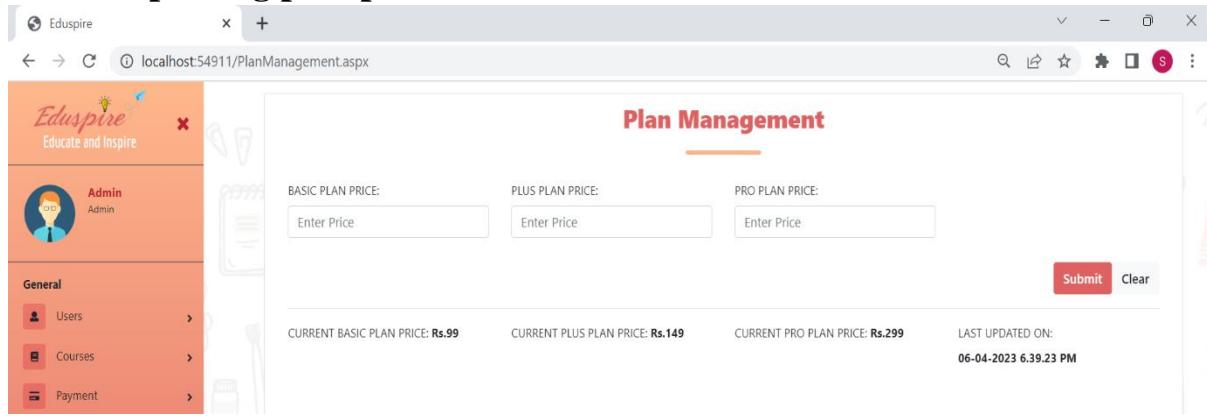
ID:	Course Name:	Created On:	ID:	Course Name:	Created On:	ID:	Course Name:	Created On:
1	Python	30-03-2023 10.27.41 AM	2	Java	30-03-2023 10.27.48 AM	3	HTML	30-03-2023 10.55.14 AM
4	C#(Sharp)	30-03-2023 10.55.27 AM	5	C++	30-03-2023 10.55.31 AM	6	DBMS	30-03-2023 10.55.37 AM
7	PHP	30-03-2023 10.55.46 AM	8	Kotlin	06-04-2023 6.37.00 PM	9	Flutter	06-04-2023 6.38.08 PM

```

protected void btnAdd_Click(object sender, EventArgs e)
{
    lblCourseError.Text = "";
    if(txtCourse.Text=="")
    {
        lblCourseError.Text = "Please enter Course name";
    }
    else if(CheckCourseInDB()==true)
    {
        lblCourseError.Text = "Entered Course already exists";
    }
    else
    {
        lblCourseError.Text = "";
        String mycon = ConfigurationManager.ConnectionStrings["dbcon"].ConnectionString;
        SqlConnection con = new SqlConnection(mycon);
        con.Open();
        string query = "insert into Course_Table13 (ID,Course,CreatedOn) values" +
            " ('" + lblID.Text + "','" + txtCourse.Text + "',getdate())";
        SqlCommand cmd = new SqlCommand(query, con);
        cmd.ExecuteNonQuery();
        con.Close();
        Response.Write("<script>alert('Added Successfully!')</script>");
        txtCourse.Text = "";
        LoadRecord();
    }
}
protected void DataList1_DeleteCommand(object source, DataListCommandEventEventArgs e)
{
    string id = ((Label)DataList1.Items[e.Item.ItemIndex].FindControl("Label1")).Text;
    string del = "delete from Course_Table13 where ID=" + id;
    SqlCommand cmd = new SqlCommand(del, con);
    con.Open();
    cmd.ExecuteNonQuery();
    con.Close();
    LoadRecord();
}

```

## Admin updating plan price:



```
private void LoadRecord()
{
    string constr = ConfigurationManager.ConnectionStrings["dbcon"].ConnectionString;
    SqlConnection conn = new SqlConnection(constr);
    conn.Open();
    SqlCommand comm = new SqlCommand("select * from PlanPrice_Table10 where ID='1'", conn);
    SqlDataReader r = comm.ExecuteReader();
    while (r.Read())
    {
        lblBasic.Text = r.GetValue(1).ToString();
        lblPlus.Text = r.GetValue(2).ToString();
        lblPro.Text = r.GetValue(3).ToString();
        lblUpdate.Text = r.GetValue(4).ToString();
    }
}

protected void btnSubmit_Click(object sender, EventArgs e)
{
    if(txtBasicPrice.Text != "")
    {
        SqlConnection con = new SqlConnection(mycon);
        con.Open();
        SqlCommand comm = new SqlCommand("update PlanPrice_Table10 set Basic_Price='"
            + txtBasicPrice.Text + "', Updated_On = getdate() where ID='1' ", con);
        comm.ExecuteNonQuery();
        con.Close();
    }
    if(txtPlusPrice.Text!="")
    {
        SqlConnection con = new SqlConnection(mycon);
        con.Open();
        SqlCommand comm = new SqlCommand("update PlanPrice_Table10 set Plus_Price='"
            + txtPlusPrice.Text + "' , Updated_On = getdate() where ID='1' ", con);
        comm.ExecuteNonQuery();
        con.Close();
    }
    if(txtProPrice.Text!="")
    {
        SqlConnection con = new SqlConnection(mycon);
        con.Open();
        SqlCommand comm = new SqlCommand("update PlanPrice_Table10 set Pro_Price='"
            + txtProPrice.Text + "' , Updated_On = getdate() where ID='1' ", con);
        comm.ExecuteNonQuery();
        con.Close();
    }
    Response.Write("<script>alert('Updated Successfully!')</script>");
    LoadRecord();
}
```

## Search in Payment Details:

ID	Student ID	Student Email	Student First Name	Student Last Name	Payment ID	Plan Name	Amount	Status	Paid On	View Invoice
31	8	malewadkarshaddha@gmail.com	Shradha	Malewadkar	order_LaUyHHW4ta5v7	Plus	149	Successful	06-04-2023 5:32:47 PM	<a href="#">View</a>

Name:	Shradha Malewadkar
Contact No.:	7301150682
Email ID:	malewadkarshaddha@gmail.com
Plan Name:	Plus
Payment ID:	order_LaUyHHW4ta5v7
Payment Date:	06-04-2023 5:32:47 PM
Amount (INR):	Rs.149
Payment Status:	Successful

```

protected void btnSearch_Click(object sender, EventArgs e)
{
    if(txtPayID.Text=="")
    {
        lblPayIDError.Text = "Enter Payment ID";
    }
    else if(CheckPayIDInPaymentDetails()==false)
    {
        lblPayIDError.Text = "Entered Payment ID doesn't exist";
    }
    else
    {
        lblPayIDError.Text = "";
        SqlConnection con = new SqlConnection(mycon);
        SqlCommand comm = new SqlCommand("Select PaymentDetails_Table11.ID,PaymentDetails_Table11.stu_ID," +
            "PaymentDetails_Table11.Pay_ID,PaymentDetails_Table11.PlanName,PaymentDetails_Table11.Amount," +
            "PaymentDetails_Table11.Status,PaymentDetails_Table11.CreatedDate,RegisterStu_Table5.stu_FirstName," +
            "RegisterStu_Table5.stu_LastName,RegisterStu_Table5.stu_EmailID from PaymentDetails_Table11," +
            "RegisterStu_Table5 where PaymentDetails_Table11.stu_ID=RegisterStu_Table5.stu_ID and Pay_ID='"+txtPayID.Text+"'", con);
        SqlDataAdapter d = new SqlDataAdapter(comm);
        DataTable dt = new DataTable();
        d.Fill(dt);
        GridView1.DataSource = dt;
        GridView1.DataBind();
    }
}

```

## Payment Report:

The screenshot shows the 'Payment Report' page from the Eduspire application. On the left, there's a sidebar with navigation links for General (Users, Courses, Payment, Test), Account (Personal Information), and Logout. The main area has a title 'Payment Report' and a sub-section 'Payment Report'. It displays a table of transactions with columns: Payment ID, Student Email, Plan Name, Paid Amount, Status, and Paid on. Below the table, it shows 'Total Revenue (INR): Rs.446' and 'Total Transactions: 4'. A red 'Get Report' button is at the top right, and a 'Download' button is at the bottom right.

Payment ID	Student Email	Plan Name	Paid Amount	Status	Paid on
order_LXUjZ539Dv03W3	navar.sneha154@sathayecollege.edu.in	Plus	149	Successful	29-03-2023 6.33.28 PM
order_LYU6SCMMKcE5R	navar.sneha154@sathayecollege.edu.in	Basic	99	Successful	01-04-2023 3.23.36 PM
order_LYUPF8d5cu7yo6	navar.sneha154@sathayecollege.edu.in	Basic	99	Successful	01-04-2023 3.41.23 PM
order_LYV2rOLVOE1Elg	navar.sneha154@sathayecollege.edu.in	Basic	99	Successful	01-04-2023 4.18.54 PM

This screenshot shows the 'Payment\_Report\_01-04-2023 (1).pdf' document in Adobe Acrobat Reader. The PDF contains the same 'Payment Report' section with the same transaction data as the web page. It includes the table of transactions and the summary 'Total Revenue (INR): Rs.446' and 'Total Transactions: 4'.

```

private bool ValidDate()
{
    Boolean Date = false;
    Regex regDate = new Regex(@"^(?:(?:31(\/\|-|\.)|(?-0?[13578]|1[02]))\1(?:"
        "(?:29|30)(\/\|-|\.)|(?-0?[13-9]|1[0-2])\2))"
        "(?: (?:1[6-9]| [2-9]\d)?\d{2})$|^(?:(?:29(\/\|-|\.)"
        "0?2|3(?:(?:1[6-9]| [2-9]\d)?\d{2})|(?-0[48]| [2468]"
        "[048]| [13579][26])|(?:(?:16|[2468][048]|"
        "[3579][26])00))))$|^(?:(?:0[1-9]|1\d|2[0-8])"
        "(\/\|-|\.)|(?:(?:0[1-9]|1\d|2[0-8]))\4|(?:(?:1"
        "[6-9]| [2-9]\d)?\d{2})$");
    Match matchDate = regDate.Match(txtDate.Text);
    if (matchDate.Success)
    {
        Date = true;
    }
    return Date;
}

```

```

    protected void btnReport_Click(object sender, EventArgs e)
{
    if(txtDate.Text=="")
    {
        lblDate.Text = "Please enter date";
    }
    else if(ValidDate()==false)
    {
        lblDate.Text = "Please enter valid date";
    }
    else if(CheckAvailableDate()==false)
    {
        lblDate.Text = "Entered date data doesn't exist";
    }
    else
    {
        lblDate.Text = "";
        Panel1.Visible = true;
        btnDownload.Visible = true;
        lblCreatedon.Text = DateTime.Now.ToShortDateString();
        lblReportDate.Text = txtDate.Text.ToString();
        DataTable dt = new DataTable();
        DataRow dr;
        dt.Columns.Add("Pay_ID");
        dt.Columns.Add("stu_EmailID");
        dt.Columns.Add("PlanName");
        dt.Columns.Add("Amount");
        dt.Columns.Add("Status");
        dt.Columns.Add("CreatedDate");
        SqlConnection con = new SqlConnection(mycon);
        String myquery = "Select PaymentDetails_Table11.Pay_ID,PaymentDetails_Table11.PlanName," +
        "PaymentDetails_Table11.Amount,PaymentDetails_Table11.Status,PaymentDetails_Table11.CreatedDate," +
        "RegisterStu_Table5.stu_EmailID from PaymentDetails_Table11,RegisterStu_Table5 where " +
        "PaymentDetails_Table11.stu_ID=RegisterStu_Table5.stu_ID and Status='Successful' and Date=''' + txtDate.Text + '''";
        SqlCommand cmd = new SqlCommand();
        cmd.CommandText = myquery;
        cmd.Connection = con;
        SqlDataAdapter da = new SqlDataAdapter();
        da.SelectCommand = cmd;
        DataSet ds = new DataSet();
        da.Fill(ds);
        int totalrows = ds.Tables[0].Rows.Count;
        int i = 0;
        int grandtotal = 0;
        while (i < totalrows)
        {
            dr = dt.NewRow();
            dr["Pay_ID"] = ds.Tables[0].Rows[i]["Pay_ID"].ToString();
            dr["stu_EmailID"] = ds.Tables[0].Rows[i]["stu_EmailID"].ToString();
            dr["PlanName"] = ds.Tables[0].Rows[i]["PlanName"].ToString();
            dr["Amount"] = ds.Tables[0].Rows[i]["Amount"].ToString();
            dr["Status"] = ds.Tables[0].Rows[i]["Status"].ToString();
            dr["CreatedDate"] = ds.Tables[0].Rows[i]["CreatedDate"].ToString();
            int price = Convert.ToInt16(ds.Tables[0].Rows[i]["Amount"].ToString());
            int totalprice = price;
            dr["Amount"] = totalprice;
            grandtotal += totalprice;
            dt.Rows.Add(dr);
            i++;
        }
        GridView1.DataSource = dt;
        GridView1.DataBind();
        lblTotAmt.Text = grandtotal.ToString();

        SqlConnection con1 = new SqlConnection(mycon);
        con.Open();
        SqlCommand cmd1 = new SqlCommand("Select COUNT(*) as TotalCount from PaymentDetails_Table11 " +
        "where Status='Successful' and Date=''' + txtDate.Text + '''", con1);
        SqlDataAdapter da1 = new SqlDataAdapter();
        da.SelectCommand = cmd1;
        DataSet ds1 = new DataSet();
        da.Fill(ds);
        con.Close();
        lblTrans.Text = ds.Tables[0].Rows[0]["TotalCount"].ToString();
    }
}

```

## Validations:

**Schedule Test**

COURSES\* --SELECT-- Please select Course Name

TEST NAME\* Enter test name  
Please enter Test Name

PASSING %\* 80 Invalid Passing %

TEST START DATE\* 07-04-2023

TEST END DATE\* dd-mm-yyyy  
Get Date Please select End Date

SET DURATION (HH:MM)\* --SELECT-- Please select Test Duration

UPLOAD FILE\* Choose File No file chosen  
Invalid File. Please upload a Excel file with extension: xls, xlsx

Submit form Reset all

**Tutor Application**

FIRST NAME\* Enter First Name  
Please enter 'First Name'.  
CONTACT NUMBER\* abc  
Please enter a valid Contact Number.

LAST NAME\* 123  
Enter alphabets only.  
E-MAIL ID\* snehanawar@gmail.com  
Your Email is verified successfully.

DATE OF BIRTH(DOB)\* 07-04-2023  
Age must be minimum 18yrs.

GENDER\* Male Female Other  
Please select your 'Gender'.

QUALIFICATION CERTIFICATE\* Choose File No file chosen

APPLY CLEAR Already Registered? Login

**Welcome! To get started, create an account**

FIRST NAME\* Enter First Name  
Please enter 'First Name'.  
CONTACT NUMBER\* Enter 10 digits Contact No.  
Please enter your 'Contact Number'.  
DATE OF BIRTH(DOB)\* 07-04-2023  
Age must be minimum 12yrs.  
ENTER PASSWORD\* Enter Password  
Show Password  
Please enter a 'Password'.  
SELECT A SECURITY QUESTION\* --SELECT--  
Please enter Security Question  
In case you forget your password

LAST NAME\* @#!  
Enter alphabets only.  
E-MAIL ID\* shraddhamalewadkar@gmail.com  
Your Email is verified successfully.

GENDER\* Male Female Other  
Please select your 'Gender'.

CONFIRM PASSWORD\* \*\*\*\*\*  
Password doesn't match!

WHAT'S YOUR ANSWER?\* Enter Answer  
Please enter an 'Answer'.

REGISTER CLEAR Already Registered? Login

# CHAPTER 6

## TEST CASES

### 1. Tutor/Student Email Verification

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
1	Verify email verification page	Enter valid Email and OTP	Needs valid Email and OTP	1.Enter valid Email	nawarsneha@gmail.com	Verification Successful	OTP sent check your Email Inbox and displays textbox to enter OTP	Verification Successful	PASS
				2.Enter valid OTP	4032(Valid)		Redirects to Application/Registration page		
2	Verify email verification page	Enter invalid Email	Needs valid Email and OTP	1.Enter invalid Email	abc	Error Message: Please enter valid Email ID	NULL	Error Message: Please enter valid Email ID	PASS
				NULL	NULL				
3	Verify email verification page	Enter invalid OTP	Needs valid Email and OTP	1.Enter valid Email	nawarsneha@gmail.com	Error Message: You have entered Invalid activation code, kindly check your mail inbox	OTP sent check your Email Inbox and displays textbox to enter OTP	Verification Successful	FAIL
				2.Enter invalid OTP	4037 (Invalid)		NULL		
4	Verify email verification page	Submit blank fields	Needs valid Email and OTP	1.Enter Email	NULL	Error Message: Please enter Email ID	NULL	Error Message: Please enter Email ID	PASS
				2.Enter OTP	NULL	Error Message: Please enter the 4-digits code	NULL	Error Message: Please enter the 4-digits code	

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
5	Verify email verification page	Enter Registered Email	Needs valid Email and OTP	1.Enter already register -ed Email	nawarsneha@gmail.com (Registered Email)	Error Message: An account with email nawarsneha@gmail.com already exists/has already applied	NULL	Error Message: An account with email nawarsneha@gmail.com already exists/has already applied	PASS
				2.Enter OTP	NULL				

## 2. Candidate (Tutor) Application

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
1	Verify Application Page	Enter all valid details	Needs valid details to apply	1.Enter valid first name	Sneha	Applied Success-fully	Message: Applied Successfully! You will receive an Email within 24hrs for further instructions.	Applied Success-fully	PASS
				2.Enter valid last name	Nawar				
				3.Enter valid Contact No.	9803033274				
				4.Enter valid DOB	03-10-2002				
				5.Select gender	Female				
				6.Uploa d qualific ation certific ate	Certificate.jpg				

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
2	Verify Application Page	Enter all invalid details	Needs valid details to apply	1.Enter invalid first name 2.Enter invalid last name 3.Enter invalid Contact No. 4.Enter invalid DOB 5.Select gender 6.Uploading qualification certificate	<b>123</b> <b>@#%</b> <b>987654@abc</b> <b>20-03-2023</b> <b>Male</b> <b>Book1.xlsx</b>	Error Message: Enter alphabets only Error Message: Enter alphabets only Error Message: Please enter a valid contact no. Error Message: Age must be minimum 18 yrs NULL Error Message: Invalid File. Please upload a file with extension: .doc, .docx, .pdf, .jpg, jpeg, .png	NULL	Error Message: Enter alphabets only Error Message: Enter alphabets only Error Message: Please enter a valid contact no. Error Message: Age must be minimum 18 yrs NULL Error Message: Invalid File. Please upload a file with extension: .doc, .docx, .pdf, .jpg, jpeg, .png	PASS

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
3	Verify Application Page	Submit blank fields	Needs valid details to apply	1.Enter first name 2.Enter last name 3.Enter Contact No. 4.Enter DOB 5.Select gender 6.Uploading qualification certificate	NULL NULL NULL NULL NULL No file chosen	Error Message: Please enter 'First Name' Error Message: Please enter your 'Last Name' Error Message: Please enter your 'Contact Number' Error Message: Please enter your 'Date of birth' Error Message: Please select your 'Gender' Error Message: Invalid File. Please upload a file with extension: .doc, .docx, .pdf, .jpg, jpeg, .png	NULL	Error Message: Please enter 'First Name' Error Message: Please enter your 'Last Name' Error Message: Please enter your 'Contact Number' Error Message: Please enter your 'Date of birth' Error Message: Please select your 'Gender' Error Message: Invalid File. Please upload a file with extension: .doc, .docx, .pdf, .jpg, jpeg, .png	PASS

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
4	Verify Application Page	Enter invalid Contact No.	Needs valid details to apply	1.Enter valid first name	Sneha	NULL	NULL	NULL	PASS
				2.Enter valid last name	Nawar			Error Message: Please enter a valid contact no.	
				3.Enter invalid Contact No.	1234567890	Error Message: Please enter a valid contact no.		Error Message: Please enter a valid contact no.	
				4.Enter valid DOB	03-10-2002	NULL	NULL		
				5.Select gender	Female				
				6.Uploa d qualifi- cation certific ate	C Certificate.jpg				

### 3. Tutor Registration

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
1	Verify Tutor Registration page	Enter all valid details	Needs valid details to register	1.Enter valid Password	snehanawar1@	Registered Successfully	Redirects to Main Page	Registered Successfully	PASS
				2.Confirm valid Password	snehanawar1@				
				3.Select a security question	What's the name of the city where you were born?				
				4.Enter valid answer	Mumbai				

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
2	Verify Tutor Registration page	Enter all invalid details	Needs valid details to register	1.Enter invalid Password	abc	Error Message: Please enter a strong password	NULL	Error Message: Please enter a strong password	PASS
				2.Confirm Invalid Password	xyz	Error Message: Password doesn't match!		Error Message: Password doesn't match!	
				3.Select a security question	What's the name of the city where you were born?	NULL		NULL	
				4.Enter invalid answer	123@	Error Message: Enter alphabets only		Error Message: Enter alphabets only	
3	Verify Tutor Registration page	Submit blank fields	Needs valid details to register	1.Enter Password	NULL	Error Message: Please enter a 'Password' .	NULL	Error Message: Please enter a 'Password'.	PASS
				2.Confirm Password	NULL	Error Message: Please fill the 'Confirm Password' field.		Error Message: Please fill the 'Confirm Password' field.	
				3.Select a security question	NULL	Error Message: Please select Security Question		Error Message: Please select Security Question	
				4.Enter answer	NULL	Error Message: Please enter an 'Answer'.		Error Message: Please enter an 'Answer'.	

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
4	Verify Tutor Registration page	Enter invalid Answer	Needs valid details to register	1.Enter valid Password	snehanawar1@	NULL	NULL	NULL	PASS
				2.Confirm valid Password	snehanawar1@				
				3.Select a security question	What's the name of the city where you were born?				
				4.Enter Invalid answer	123	Error Message: Enter alphabets only		Error Message: Enter alphabets only	

#### 4. Student Registration

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
1	Verify Student Registration page	Enter all valid details	Needs valid details to register	1.Enter valid first name	Shraddha	Registered Successfully	Redirects to main page	Registered Successfully	PASS
				2. Enter valid last name	Malewadkar				
				3.Enter valid Contact No.	7301150682				
				4.Enter valid DOB	01-3-2003				
				5.Select gender	Female				
				6.Enter valid Password	shraddha1@				
				7.Confirm valid Password	shraddha1@				
				8.Select a security question	What's was your first pet's name?				
				9.Enter valid answer	Bino				

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
2	Verify Student Registration page	Enter all invalid details	Needs valid details to register	1.Enter invalid first name	@#\$_	Error Message: Enter alphabets only	NULL	Error Message: Enter alphabets only	PASS
				2. Enter invalid last name	123	Error Message: Enter alphabets only		Error Message: Enter alphabets only	
				3.Enter invalid Contact No.	2222222222	Error Message: Please enter a valid contact no.		Error Message: Please enter a valid contact no.	
				4.Enter invalid DOB	22-02-2040	Error Message: Age must be minimum 12yrs.		Error Message: Age must be minimum 12yrs.	
				5.Select gender	Male	NULL		NULL	
				6.Enter invalid Password	123	Error Message: Please enter a strong password		Error Message: Please enter a strong password	
				7.Confirm invalid Password	456	Error Message: Password doesn't match!		Error Message: Password doesn't match!	
				8.Select a security question	What's the name of the city where you were born?	NULL		NULL	
				9.Enter invalid answer	!@#\$	Error Message: Enter alphabets only		Error Message: Enter alphabets only	

<b>Test Case ID</b>	<b>Test Case Scenario</b>	<b>Test Case</b>	<b>Pre-condition</b>	<b>Test Steps</b>	<b>Test Data</b>	<b>Expected Result</b>	<b>Post-condition</b>	<b>Actual Result</b>	<b>Status</b>
3	Verify Student Registration page	Submit blank fields	Needs valid details to register	1.Enter first name 2. Enter last name 3.Enter Contact No. 4.Enter DOB 5.Select gender 6.Enter Password 7.Confirm Password 8.Select a security question 9.Enter answer	NULL NULL NULL NULL NULL NULL NULL NULL NULL	Error Message: Please enter 'First Name' Error Message: Please enter your 'Last Name' Error Message: Please enter your 'Contact Number' Error Message: Please enter your 'Date of birth' Error Message: Please select your 'Gender' Error Message: Please enter a 'Password'. Error Message: Please fill the 'Confirm Password' field. Error Message: Please select Security Question Error Message: Please enter an 'Answer'.	NUL L	Error Message: Please enter 'First Name' Error Message: Please enter your 'Last Name' Error Message: Please enter your 'Contact Number' Error Message: Please enter your 'Date of birth' Error Message: Please select your 'Gender' Error Message: Please enter a 'Password'. Error Message: Please fill the 'Confirm Password' field. Error Message: Please select Security Question Error Message: Please enter an 'Answer'.	PASS

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
4	Verify Student Registration page	Enter blank first name, invalid DOB and Confirm Password	Needs valid details to register	1.Enter first name	NULL	Error Message: Please enter 'First Name'	NULL	Error Message: Please enter 'First Name'	PASS
				2. Enter valid last name	malewadkar	NULL		NULL	
				3.Enter valid Contact No.	7301150682	NULL		NULL	
				4.Enter invalid DOB	12-10-1887	Error Message: Age must be minimum 12yrs.		Error Message: Age must be minimum 12yrs.	
				5.Select gender	Female	NULL		NULL	
				6.Enter valid Password	SHRADDAH0?	NULL		NULL	
				7.Confirm invalid Password	shraddha0?	Error Message: Password doesn't match!		Error Message: Password doesn't match!	
				8.Select a security question	What's the name of the city where you were born?	NULL		NULL	
				9.Enter valid answer	Mumbai	NULL		NULL	

## 5. Login (Admin/Tutor/Student)

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
1	Verify login page	Enter all valid and correct credentials	Needs valid and correct credentials to login	1.Enter valid Email 2.Enter valid Password	abc@gmail.com snehanawar1@	Logged in Successfully	Redirects to plan selection/ Main page	Logged in Successfully	PASS
2	Verify login page	Enter all incorrect credentials	Needs valid and correct credentials to login	1.Enter invalid Email 2.Enter invalid Password	mno@gmail.com Mno123	Error Message: The entered credentials are incorrect/ No account exists corresponds with entered credentials	NULL	Error Message: The entered credentials are incorrect/ No account exists corresponds with entered credentials	PASS
3	Verify login page	Submit all blank fields	Needs valid and correct credentials to login	1.Enter Email 2.Enter Password	NULL NULL	Error Message: Please enter your 'E-mail ID'. Error Message: Please enter your 'Password'	NULL	Error Message: Please enter your 'E-mail ID'. Error Message: Please enter your 'Password'	PASS
4	Verify login page	Enter incorrect Password	Needs valid and correct credentials to login	1.Enter valid and correct Email 2.Enter invalid and incorrect Password	abc@gmail.com sneha	Error Message: The entered credentials are incorrect	NULL	Error Message: The entered credentials are incorrect	PASS

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
5	Verify login page	Enter unregistered Email	Needs valid and correct credentials to login	1.Enter unregistered Email	xyz@gmail.com (unregistered)	Error Message: No account exists corresponds with entered credentials	NULL	Error Message: No account exists corresponds with entered credentials	PASS
				2.Enter invalid Password	Xyz123				
6	Verify login page	Enter invalid Email	Needs valid and correct credentials to login	1.Enter invalid Email	#\$@gmail.com	Error Message: Please enter valid E-mail ID.	NULL	Error Message: Please enter valid E-mail ID.	PASS
				2.Enter valid Password	snehanawar1@				

## 6. Forgot Password (Admin/Tutor/Student)

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
1	Verify forgot password page	Enter valid Email and correct answer	Needs authentication to reset password	1.Enter valid Email	nawarsneha@gmail.com	Authentication Successful	Displays Security question and textbox to enter answer	Authentication Successful	PASS
				2.Enter valid answer	Mumbai		Password reset information should reach you shortly via email (Redirection link to reset password)		

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
2	Verify forgot password page	Enter unregistered Email	Needs authentication to reset password	1.Enter unregistered Email	xyz@gmail.com (Unregistered)	Error Message: No account exists corresponds to Email you entered	NULL	Error Message: No account exists corresponds to Email you entered	PASS
				2.Enter answer	NULL				
3	Verify forgot password page	Enter valid Email and incorrect answer	Needs authentication to reset password	1.Enter valid Email	nawarsneha@gmail.com	Email authentication successful	Displays Security question and textbox to enter answer	Email authentication successful	PASS
				2.Enter incorrect answer	Pune (Incorrect)	Error Message: The entered answer is incorrect	NULL	Error Message: The entered answer is incorrect	
4	Verify forgot password page	Enter invalid Email	Needs authentication to reset password	1.Enter invalid Email	12345	Error Message: Please enter valid E-mail ID	NULL	Error Message: Please enter valid E-mail ID	PASS
				2.Enter answer	NULL				
5	Verify forgot password page	Submit blank Email	Needs authentication to reset password	1.Enter Email	NULL	Error Message: Please enter your 'E-mail ID'	NULL	Error Message: Please enter your 'E-mail ID'	PASS
				2.Enter answer	NULL				
6	Verify forgot password page	Enter invalid Answer	Needs authentication to reset password	1.Enter valid Email	nawarsneha@gmail.com	Email authentication successful	Displays Security question and textbox to enter answer	Email authentication successful	PASS
				2.Enter invalid answer	****	Error Message: Enter alphabets only	NULL	Error Message: Enter alphabets only	

## 7. Payment

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
1	Verify Payment page (By card)	Enter Valid Card Details	Needs valid card details to make payment successful	1. Enter valid card number 2. Enter valid expiry date 3. Enter valid card holder's name 4. Enter valid CVV	5267 3181 8797 5449  02 / 25  Sneha Nawar  647	Payment Successful	Redirects to invoice page	Payment Successful	PASS
2	Verify Payment page (By card)	Enter Invalid card Details	Needs valid card details to make payment successful	1. Enter invalid card number 2. Enter invalid expiry date 3. Enter valid card holder's name 4. Enter valid CVV	9238461 936452  00 / 00 (MM/YY)  12345  NULL	Error Message: Please enter a valid card number.  Error Message: Invalid expiry date  Error Message: Please enter name on your card  Error Message: Please enter name on your card	NULL	Error Message: Please enter a valid card number.  Error Message: Invalid expiry date  Error Message: Please enter name on your card  Error Message: Please enter name on your card	PASS
3	Verify Payment page (By UPI)	Enter Valid UPI	Needs valid UPI to make payment successful	1. Enter your valid UPI ID	shraddha @okhdfc	Payment Successful	Redirects to invoice page	Payment Successful	PASS

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
4	Verify Payment page (By UPI)	Enter Invalid UPI	Needs valid UPI to make payment successful	1.Enter your invalid UPI ID	abc123	Error Message: Please enter a valid VPA of the form username@bank	NULL	Error Message: Please enter a valid VPA of the form username@bank	PASS

## 8. Candidate Management by Admin (Search Operation)

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
1	Verify Candidate Management Page	Enter valid Email	Needs valid and applied email	1. Enter Candidate's valid Email	nawarsneha@gmail.com	Successfully fetches entered email's record	Displays filtered record	Successfully fetches entered email's record	PASS
2	Verify Candidate Management Page	Enter invalid Email	Needs valid and applied email	1. Enter Candidate's invalid Email	nawar@com	Error Message: Please enter valid email	NULL	Error Message: Please enter valid email	PASS
3	Verify Candidate Management Page	Enter not applied email	Needs valid and applied email	1. Enter not applied Email	ab1@gmail.com	Error Message: Entered Email does'nt exist	NULL	Error Message: Entered Email does'nt exist	PASS

## 9. Tutor Management by Admin (Update Operation)

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
1	Verify Tutor Management Page	Enter valid data	Needs valid data	1. Enter valid Email	abc@yahoo.com	Record updated successfully	Displays updated record	Record updated successfully	PASS
2	Verify Tutor Management Page	Enter invalid data	Needs valid data	1. Enter invalid Email	Abc yahoo.com	Error Message: Please enter valid email	NULL	Error Message: Please enter valid email	PASS
3	Verify Tutor Management Page	Enter already registered Email	Needs valid data	1. Enter registered Email	Nawarsneha@gmail.com	Error Message: Entered Email already exists	NULL	Error Message: Entered Email already exists	PASS

## 10. Student Management by Admin (Delete Operation)

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
1	Verify Student Management Page	Enter valid and registered Email	Needs Valid and registered Email	1. Enter valid and registered email	malewadkar.shraddha@gmail.com	Record deleted Successfully	Entered record gets Deleted	Record deleted Successfully	PASS
2	Verify Student Management Page	Enter invalid Email	Needs Valid and registered Email	1. Enter invalid Email	@@gmail.com	Error Message: Please enter valid email	NULL	Error Message: Please enter valid email	PASS
3	Verify Student Management Page	Enter deleted/unregistered Email	Needs Valid and registered Email	1. Enter deleted/Unregistered email	malewadkar.shraddha@gmail.com	Error Message: Entered email doesn't exist	NULL	Error Message: Entered email doesn't exist	PASS

## 11. Courses Management by Admin (Insert Operation)

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
1	Verify Courses Management Page	Enter new and valid Course name	Needs valid Course name	1. Enter new and valid course name	Flutter	Course added successfully	Displays newly added Course	Course added successfully	PASS
2	Verify Courses Management Page	Enter existing Course name	Needs valid Course name	1. Enter existing course name	Python	Error Message: Entered course already exists	NULL	Error Message: Entered course already exists	PASS

## 12. Plan Management by Admin (Update Operation)

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
1	Verify Plan Management Page	Enter valid amount	Needs valid amount	1. Enter valid amount	299	Plan Updated successfully	Displays updated Plan Amount	Plan Updated successfully	PASS
2	Verify Plan Management Page	Enter invalid amount	Needs valid amount	1. Enter invalid amount	abc	Error Message: Enter digits only	NULL	Error Message: Enter digits only	PASS

## 13. Payment Details Management by Admin (Search Operation)

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
1	Verify Payment details Page	Enter valid Payment ID	Needs valid Payment ID	1. Enter valid Payment ID	order_LaUyHHW4taI5v7	Successfully fetches entered payment ID's record	Displays filtered record	Successfully fetches entered payment ID's record	PASS
2	Verify Payment details Page	Enter invalid Payment ID	Needs valid Payment ID	1. Enter invalid Payment ID	1234	Error Message: Entered Payment ID doesn't exist	NULL	Error Message: Entered Payment ID doesn't exist	PASS

## 14. Payment Report by Admin (Search Operation)

Test Case ID	Test Case Scenario	Test Case	Pre-condition	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
1	Verify Payment report Page	Enter valid and past date	Needs valid and past date	1. Enter valid and past date	01-04-2023	Successfully fetches entered date's records	Displays Payment report	Successfully fetches entered date's records	PASS
2	Verify Payment report Page	Enter invalid date format	Needs valid and past date	2. Enter invalid date format	1 April 2023 Or 31-02-2023	Error Message: Please enter valid date	NULL	Error Message: Please enter valid date	PASS
3	Verify Payment report Page	Enter future date	Needs valid and past date	3. Enter future date	03-10-2050	Error Message: Entered date's data doesn't exist	NULL	Error Message: Entered date's data doesn't exist	PASS

## Test Report

No	Test Name	Tests Executed	Test Passed	Test Failed	Total	Status
1	Tutor/Student Email Verification	5	4	1	5	Done
2	Candidate (Tutor) Application	4	4	0	4	Done
3	Tutor Registration	4	4	0	4	Done
4	Student Registration	4	4	0	4	Done
5	Login (Admin/Tutor/Student)	6	6	0	6	Done
6	Forgot Password (Admin/Tutor/Student)	6	6	0	6	Done
7	Payment	4	4	0	4	Done
8.	Candidate Management by Admin (Search Operation)	3	3	0	3	Done
9	Tutor Management by Admin (Update Operation)	3	3	0	3	Done
10	Student Management by Admin (Delete Operation)	3	3	0	3	Done
11	Courses Management by Admin (Insert Operation)	2	2	0	2	Done
12	Plan Management by Admin (Update Operation)	2	2	0	2	Done
13	Payment Details Management by Admin (Search Operation)	2	2	0	2	Done
14	Payment Report by Admin (Search Operation)	3	3	0	3	Done

# **CHAPTER 7**

## **CONCLUSION & FUTURE ENHANCEMENT**

### **Conclusion:**

Eduspire is a user-friendly application, by which users can easily access video lectures from anywhere. A tutor can post recorded video lectures which then will be downloaded n watched by the student. This application helps the user to access lectures from anywhere. As E-learning slashes out travel expenses and also saves time. Users can watch videos anytime at their convenience.

The motive for building this app is, many of the E-Learning websites only provide video lectures and are a bit expensive too. Students will have to register themselves on different websites for the same. To reduce the problem, we came up with the 3-in-1 website that is EDUSPIRE. As it is a combination of three websites users can easily learn and build their resume on a single site.

The service that Eduspire provides:

- Students can choose a plan according to their interests and affordance.
- Students can download video lectures from anywhere.
- After successful completion of a Specific test student will be awarded a certificate.
- Students can pay fees via online mode.
- Student can build his resume and get it in a pdf format.

### **Limitations:**

- Payment is accepted via online mode only (any online payment method)
- While exploring the applications make sure the system is connected to the internet or Wi-Fi with good speed
- Application may lag while internet trafficking
- Templates for resumes are not provided.
- Camera and microphones will not be there to trace user's behaviour while conducting exams.
- A notepad area will not be provided.

## **Future Enhancement:**

We tried our level best to provide our users with the best services we can, but there are a few limitations to the same. Here are a few of those:

- Templates will be provided to build a nice and attractive resume.
- Notes area will be provided in the future which will be accessible by the tutor as well as the student to make our application more interactive.
- Camera and mic recording will be there to track student's behaviour while attempting tests.

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