



GREEN UNIVERSITY OF BANGLADESH (GUB)

## IT Science Tech Website

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*A project submitted to the Department of Computer Science & Engineering  
for the partial fulfillment of the degree of  
Bachelor of Science in Computer Science & Engineering*

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February, 2024

# **Declaration**

We hereby declare that we, working under the supervision of **Md. Naimul Pathan**, Lecturer, Green University of Bangladesh, have completed the work presented in the design and implementation of the **IT Science Tech Website**. References are used to cite research materials. This project, in its entirety or in part, has never before been turned in for credit toward any degree.

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# Certificate

This is to certify that the project titled **IT Science Tech Website** has been prepared and submitted by **Swapnil Das Tushar, Sahin Alam and Md. Alip Ekram Prince**. This submission is a partial fulfilment of the conditions necessary for the conferral of the degree of Bachelor of Science in Computer Science and Engineering, completed on February 29, 2024.

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Md. Naimul Pathan  
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The requirements for the Bachelor of Science in Computer Science and Engineering degree have been partially fulfilled and approved.

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# Acknowledgments

We extend our heartfelt appreciation to the divine forces that have bestowed their blessings, making the realization of this project possible. Our gratitude extends to numerous individuals whose invaluable support and contributions have been instrumental in this endeavor. Firstly, we wish to convey our sincere appreciation to our project supervisor, **Md. Naimul Pathan**, a lecturer in the Department of Computer Science and Engineering at the Green University of Bangladesh. Despite his demanding schedules, he provided unwavering guidance, continuous support, and valuable suggestions, playing a pivotal role in the successful completion of this project. Our profound thanks are also dedicated to our parents, relatives, and friends for their unwavering encouragement. Equally, we express our gratitude to the Department of Computer Science and Engineering faculty, whose invaluable support propelled us forward on this journey. Finally, we express our regards to the Green University of Bangladesh for giving us this chance to undertake this work and facilitating our Bachelor of Computer Science and Engineering program. Their support has been a cornerstone in the realization of our academic pursuits.

# **Abstract**

The IT Science Tech Website is a groundbreaking platform revolutionizing the tech landscape. In Bangladesh, there is no dedicated tech website that can solve all kinds of tech problems. With a commitment to addressing the escalating tech challenges faced by users, our website offers a comprehensive suite of solutions and services. Boasting a professional and intuitive interface, users can seamlessly navigate through a diverse range of features tailored to meet their technological needs. At the heart of the platform is a rich repository of technology-focused videos, complemented by a 24/7 support system that ensures prompt assistance whenever required. Users can easily purchase cutting-edge products thanks to the integrated e-commerce section, which also offers a location map, multiple payment methods, and client reviews for added convenience. A standout feature is our robust course enrollment system, which empowers users to enhance their tech skills through comprehensive online courses. The seamless integration of an online course certificate claim system further elevates users' learning experiences. Moreover, our platform extends its capabilities to assist users with income tax and e-return submissions. Furthermore, we offer solutions to an array of tech-related problems, including copyright claims, YouTube channel recovery, and brand account conversion issues. By applying Agile methodology, our project is still dynamic and responsive to client feedback, ensuring ongoing updates and improvements. The meticulously designed database facilitates user-community interaction, allowing for seamless feedback reporting and problem resolution. With a dedication to innovation and user-centricity, the IT Science Tech Website stands as the premier destination for tech enthusiasts and professionals seeking comprehensive solutions to their evolving challenges.

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# **Chapter 1**

## **Introduction**

### **1.1 Introduction**

The IT Science Tech website is a website that contains various technology-related videos, tech product purchases, support teams, course enrollment, claim certificates, income tax help, etc. Providing a 24/7 support system shows a dedication to continual assistance, allowing users to address tech issues at any time. Tech fans can buy cutting-edge products directly from the e-commerce department, making it a one-stop shop. Easy-to-use location maps enhance the interactive experience. The platform goes beyond information consumption by offering a strong course registration mechanism for tech skill development through comprehensive online courses. An online course certificate claim system enhances learning and rewards success. Due to its diverse user base, the website provides financial and administrative support, including income tax and e-return submissions. A technical web page links to a well-designed database, which is the foundation of this tech hub. This link lets users easily report feedback, enabling collaborative platform enhancement. The IT Science Tech website empowers users with a user-centric and comprehensive solution for navigating the digital world.

## **1.2 System Goal**

Our project is about tech-related activities, and we created our website in a unique way.

Our project's goals or targets are given below:

- To tech video upload.
- Tech product purchase.
- Tech-related issues resolved.
- For course enrollment.
- To the income tax/e-return submission help.
- For solving the YouTube monetization issue.
- 24/7 tech support.
- To solve AdSense problems.
- To secure user data by using MD5.
- Moreover, to solve copyright claim issues, YouTube channel recovery, brand account conversion problems, copyright strike issues, etc.

## **1.3 Motivation**

Nowadays, in Bangladesh and all over the world, there are a few dedicated tech-related websites that do not have all the tech-related features in one place. For this reason, there are several key motivations for making our project an IT Science Tech website. There is no other website where we get all the tech features at once, like technology-related videos, buying products, a 24/7 support option, a location map option, a course enrollment system, an online course certificate claim, income tax/e-return submission help, etc.

On the next side, we can see that many new YouTubers are facing tech problems like monetization problems, add-sense problems, copy-right stick problems, channel recovery, etc. There are lots of videos on YouTube, but when they see videos on YouTube to solve their tech problem, sometimes they are facing problems, and they comment on the YouTube video comment section but don't get any reply quickly to solve their tech problem.

Again, there is no dedicated website to provide income tax help. Many of the people in our country do not have a proper idea about e-return submission on an online platform. Sometimes they look here and here to submit their income tax properly, but they do not get the authentic channel. To solve this problem, we are motivated to make our project an IT Science Tech website with some extra features.

## 1.4 Aims and Objectives

### 1.4.1 Aims

Create a comprehensive and innovative platform for technology enthusiasts, offering a unique blend of tech-related activities and solutions through a user-centric website.

### 1.4.2 Objectives

There are several objectives for our project, the IT Science and Tech Website.

- **Tech video upload for users:** We develop a user-friendly interface for seamless uploading of diverse and informative tech-related videos and 100% authentic videos.
- **Tech product purchase:** We establish an e-commerce section to facilitate the direct purchase of cutting-edge tech products.
- **Tech-related issues resolved:** We implement a dedicated system to promptly address and resolve various tech-related issues faced by users.

- **Course enrollment:** We design and integrate a tech-related course enrollment system, offering a diverse range of online courses.
- **Income tax/e-return submission help:** We developed a streamlined system to assist users with income tax and e-return submissions. Offer guidance and support to navigate the complexities of financial processes.
- **YouTube monetization issue resolution:** We established a dedicated section to address challenges faced by YouTubers, such as monetization issues. Provide insights and solutions to enhance the monetization journey for content creators.
- **24/7 tech support:** We implement a robust and responsive 24/7 tech support system. Ensure users receive timely assistance.
- **Ad-Sense problems resolution:** We created a specialised platform to address AdSense-related complications faced by users.
- **Copyright claim issue resolution:** We provide a platform for users to navigate and resolve copyright-related challenges effectively.
- **Tech-related problem solving:** We develop a comprehensive support system to address a spectrum of challenges, including YouTube channel recovery, brand account conversion issues, and copyright strikes.

In essence, the aim and objectives of the IT Science Tech Website project revolve around creating a holistic platform that not only caters to diverse tech-related activities but also serves as a supportive and innovative space for users to engage, learn, transact, and find solutions to a wide array of technological challenges.

## 1.5 Advantage of The IT Science Tech Website

The IT Science Tech Website is a dedicated tech-related website. The user gets lots of benefits and advantages from using our website. The advantages of the IT Science Tech website are given below:

- Users can learn a lot of useful tech-related knowledge.
- We use MD5 for data security.
- The client can get tech news and updates.
- Easily learn tech tutorials.
- Get 24/7 support to solve their tech problem.
- The user can get product reviews and recommendations.
- Clients can resolve copyright claim issues, YouTube channel recovery problems, brand account conversion problems, and copyright strike issues through our highly experienced support team members.
- The user gets online course certificate claims, income tax, and e-return submission help.
- Get all the features on one platform.
- Again, clients can pay by using an affiliated payment gateway.
- Moreover, users can buy tech gadgets.

## **1.6 Research Contribution and Comparison**

Users from Bangladesh and all over the world will use our project, which is a tech website platform. Nowadays, Bangladesh is growing up with a touch of digitization. There is the Smart Bangladesh Vision 2041. On the other hand, all government sectors and other sectors are digitised right now.

- The National Board of Revenue (NBR) collects income tax through an online platform. There are three categories: zero tax return submission, service tax return submission, and business tax return submission. People can individually

submit their returns via e-return submission. But most people are having problems submitting their e-returns. Additionally, there's no specific website providing assistance with income taxes. Furthermore, a significant percentage of the populace in our nation lacks fundamental understanding regarding e-return submission using online platforms. They occasionally search around for the correct e-return submission method, but they never find it.

- On the other side, in tech problem solving, there is no dedicated website in Bangladesh or anywhere in the world. YouTube and Facebook are now popular social media platforms. There are so many YouTube channels and Facebook pages. The owner of these YouTube channels and Facebook pages often faces tech problems like brand account conversion problems, copyright strike issues, copyright claim issues, YouTube channel recovery, etc. For that reason, they try to solve their tech problem by commenting on a YouTube problem-solving tutorial, but they don't get any reply or solution quickly. So, we dedicate our project to solving tech problems by receiving a nominal charge.
- Moreover, many platforms in Bangladesh provide course enrollment services. However, there is a limited platform that provides actual guidance and proper care. We provide them with 24/7 support and give them proper guidelines to build a better career in job sectors and online marketplaces like Fiverr, Upwork, and Guru. On the other hand, sometimes people are confused about where to buy tech gadgets. We give them a quality, full-tech gadget purchasing option.
- Furthermore, we provide an online certificate claim option so that users can get a course certificate. And no platform in Bangladesh providee features on one platform. Our project saves the user's valuable time. They get all the features in our project.

## 1.7 Gantt Chart

The Gantt Chart for the IT Science Tech Website serves as a visual aid in project management, depicting the status of tasks and activities within a defined timeframe and illustrating their synchronisation with the predetermined schedule.

Month	1	2	3	4	5	6	7	8	9	10
Project Activities										
Requirement Specification		■								
Requirement Analysis			■							
System Design Modelling				■■■						
System Development					■■■■					
Take Feedback and Requirement Change							■			
Testing and Feedback								■■■		
Final Delivery									■	

Table 1.1: Gantt Chart

## 1.8 Budget Details

SL	Criteria	Cost Specification	Unit	System Cost (TK)
1	Office Cost	Office Rent	1	20,000
		Utility bill	1	15,000
2	Office Equipment Cost	Computer	1	1,50,000
		Laptop	1	1,00000
3	Website Cost	Domain & Web	1	8,000
		Hosting	1	10,000
		Website Maintenance	1	30,000
		Content Creation	1	20,000
4	Salary Cost	Developer	2	50,000
		Support Team	3	70,000
		Brand Ambassador	1	1,00000
		Cyber Specialist	2	40,000
Total Cost				5,23,000

Table 1.2: Budget Details

# **Chapter 2**

## **Literature Review**

### **2.1 Overview**

In this chapter, we will go over the background study of the problem on this project, the material and theme, the related project review, and the existing system.

### **2.2 Background Study of the Problem**

Nowadays, in the tech sector, few tech websites are well organised. We studied more websites but didn't find any platform that provided more features at the same time and didn't solve tech problems. Users do not get all the features on one platform. That's why some problems or difficulties arise. The problems are given below:

- YouTube monetization issue.
- AdSense problems.
- Copyright claim issue.
- YouTube channel recovery.
- Brand account conversion problem.
- Copyright strike issue.

- No other website offers us all the tech features we need in one place, such as videos about technology, the ability to purchase products, round-the-clock support, a map of our location, a system for enrolling in courses, the ability to claim certificates online, assistance with income tax and electronic return submission, etc.
- Sometimes YouTubers are facing problems, and they comment on the YouTube video comment section but don't get any reply quickly to solve their tech problem.

After finding so many inconsistencies in different types of tech-related websites, we tried to overcome this and add unique tech features to our project.

### **2.2.1 Material and Features**

The main features of the platform are to add tech videos, a 24/7 tech support option, buy products, a location map option, a course enrollment system, an online course certificate claim, payment, client review, and income tax/e-return submission help. Moreover, there is also a dedicated admin panel to support users in solving any type of tech-related problem.

## **2.3 Proposed Solution**

We are presenting a range of tasks encompassing diverse features for this platform. Our aim is to create an enhanced and multifaceted user experience, offering a multitude of features simultaneously. The goal is to provide users with a comprehensive platform where they can seamlessly access and benefit from a myriad of functionalities. Without a login and signup, users can't enjoy our special features. On our platform, we will provide the following features, which are listed below:

- Tech video.
- Course enrollment system.

- Location map.
- Online course certificate claim.
- Affiliated payment system.
- Client review.
- Income tax/e-return submission help.
- Buy products.
- 24/7 tech support option.

Most of the websites don't have all the features at the same time. We try to solve this problem by adding the above features to our website.

## **2.4 Existing System**

We have studied so many tech websites, but we found only four that were related to our concept. Here, we discuss these websites.

### **2.4.1 Sohag 360°**

We justified the Sohag 360° website. It is a tech-related website, and it contains only tech news, contact information, client reviews, and search options. [1]



Figure 2.1: Logo of Sohag 360°

The gaps in this website are given below:

- There is no tech product purchase option.
- Tech video is not available.
- The website is not attractive.
- No login interface.
- There's no option for solving tech-related issues.
- There is no course enrollment option.
- There is no 24-hour support team option to solve tech problems.
- No admin panel.
- Income tax support is not available.

## 2.4.2 Saifur Rahman Azim

On the Saifur Rahman Azim website, we find only tech videos, biographies, tech blogs, and contact options. [2]



Figure 2.2: Logo of Saifur Rahman Azim

The following list contains this website's gaps:

- No login interface.
- No income tax support.
- The website lacks aesthetic appeal.
- The course enrollment option is not available.
- There is no buy-product option.
- No admin panel.
- The support option is not available.
- There is no tech-related problem-solving option.

### **2.4.3 Shadhin Tech**

In Shadhin Tech, there is no website right now. Because they don't buy domains and hosting. They don't maintain their website properly. That's why their website has vanished online. There is only one YouTube channel available. But they don't reply to the comment on their YouTube channel's tech videos. [3]



Figure 2.3: Logo of Shadhin Tech

### **2.4.4 Hossain Tech**

Hossain Tech does not currently own a website because they do not buy hosting or domains. There is no admin panel. Their website is not properly maintained. Moreover, their website has vanished from the internet as a result. YouTube is the only channel that is accessible. However, they don't respond to comments left on their tech-related YouTube videos. [4]



Figure 2.4: Logo of Hossain Tech

## **2.4.5 RH Tech**

On the RH Tech website, we find only tech videos, course enrollment, and contact options. [5]



Figure 2.5: Logo of RH Tech

The holes on this website are listed in the following list:

- No login interface.
- The buy-product option is not available.
- No income tax support.
- There is no tech-related problem-solving option.
- The certificate claim option is not contained on this website.
- The support option is not available.
- No course enrollment system.
- Location map is not available here.

## **2.4.6 Watch and Learn**

Only the employment circular and demo certificate choices are available on the RH Tech website. [6]



Figure 2.6: Logo of Watch and Learn

The following is a list of the gaps on this website:

- The login interface is not available.
- The support team option is not available.
- There is no income tax support.
- There is no tech problem-solving option.

## 2.5 Related Project Review

### 2.5.1 Sohag 360° Interface

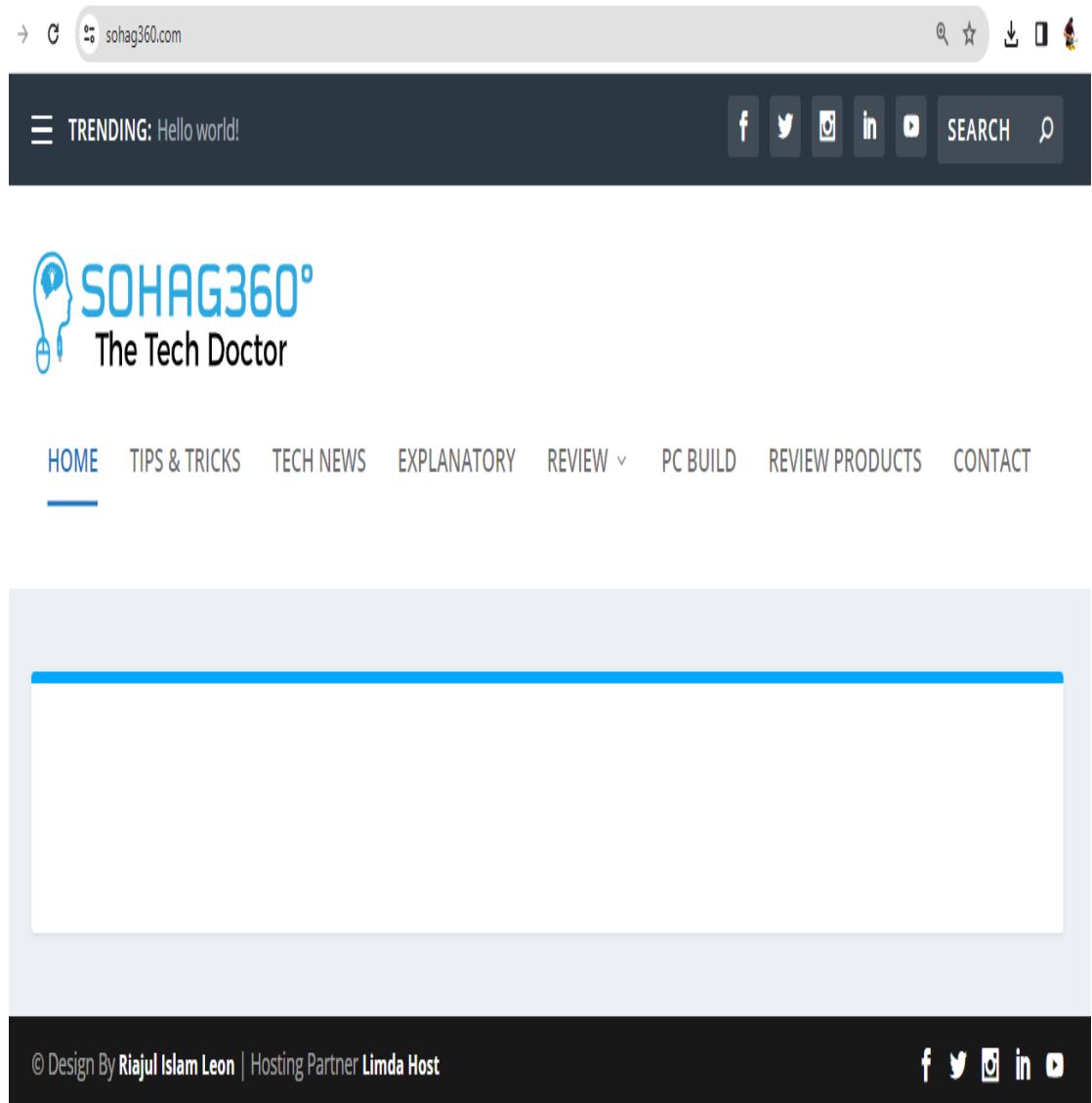


Figure 2.7: Sohag 360° Interface

## 2.5.2 Saifur Rahman Azim Interface

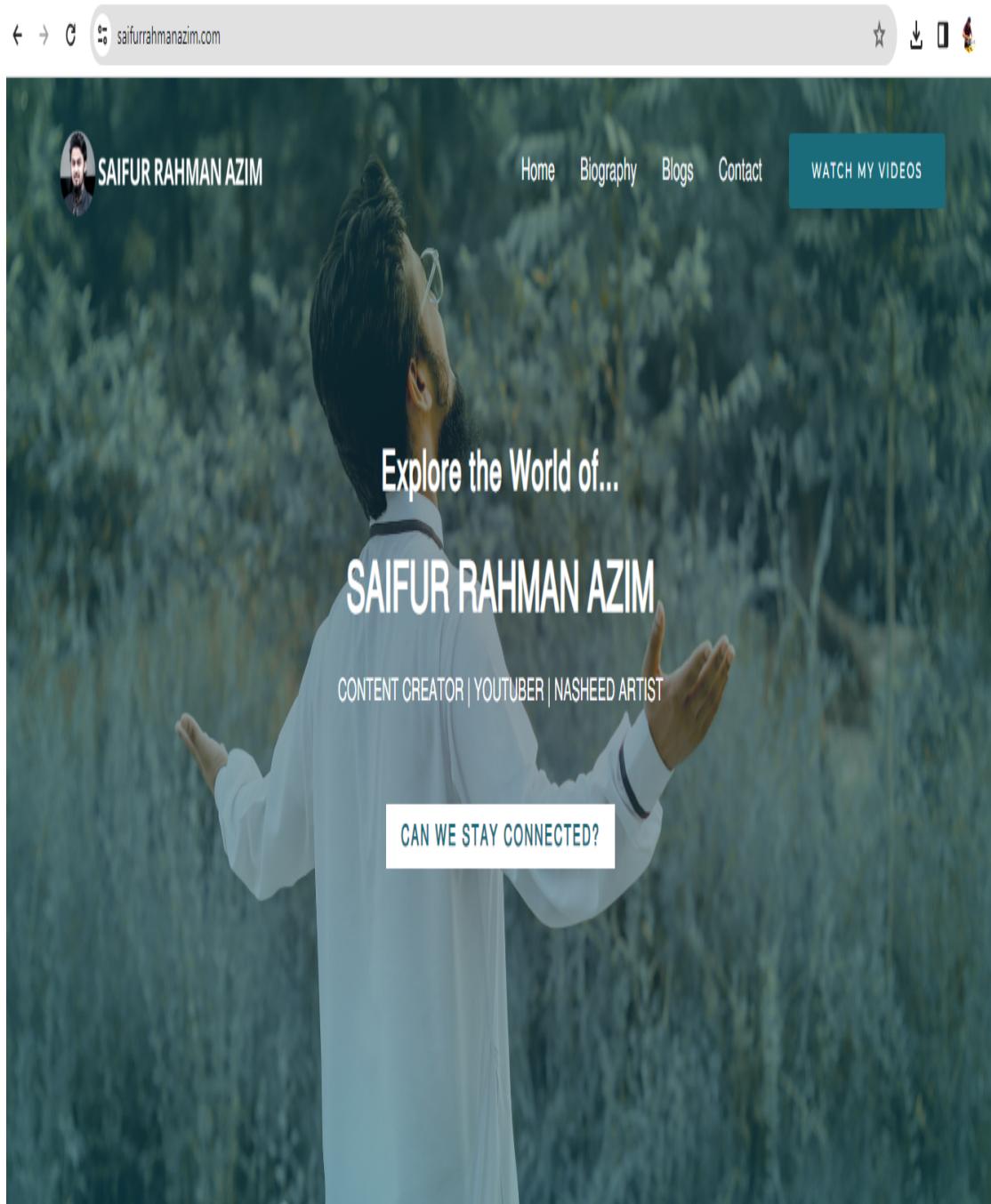


Figure 2.8: Saifur Rahman Azim Interface

### 2.5.3 Shadhin Tech YouTube Channel Interface

Shadhin Tech do not have website right now. They have only YouTube channel.

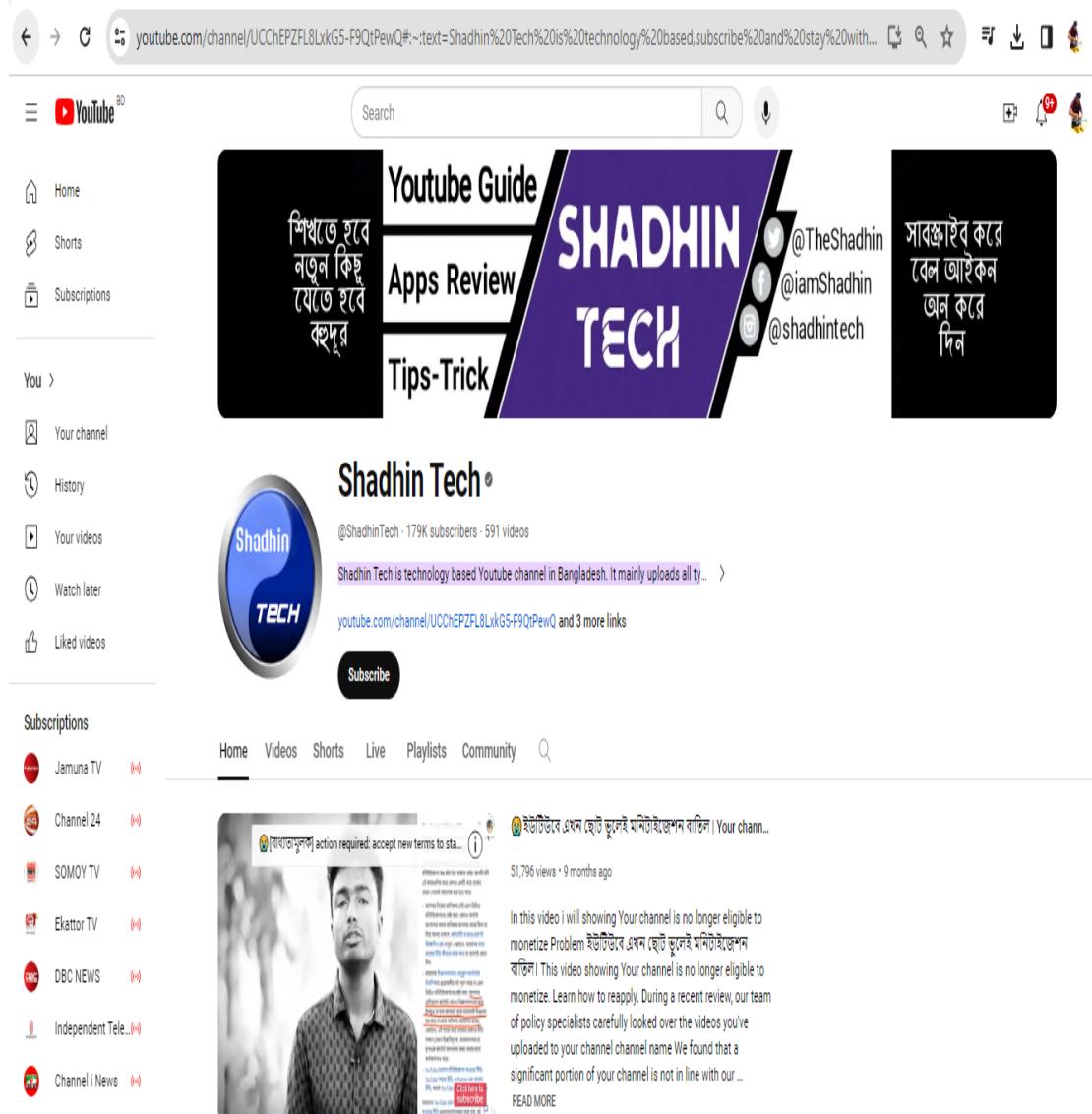


Figure 2.9: Shadhin Tech YouTube Channel Interface

## 2.5.4 Hossain Tech YouTube Channel Interface

The Hossain Tech website is not available right now. Because they don't maintain their website. They also have a YouTube channel.

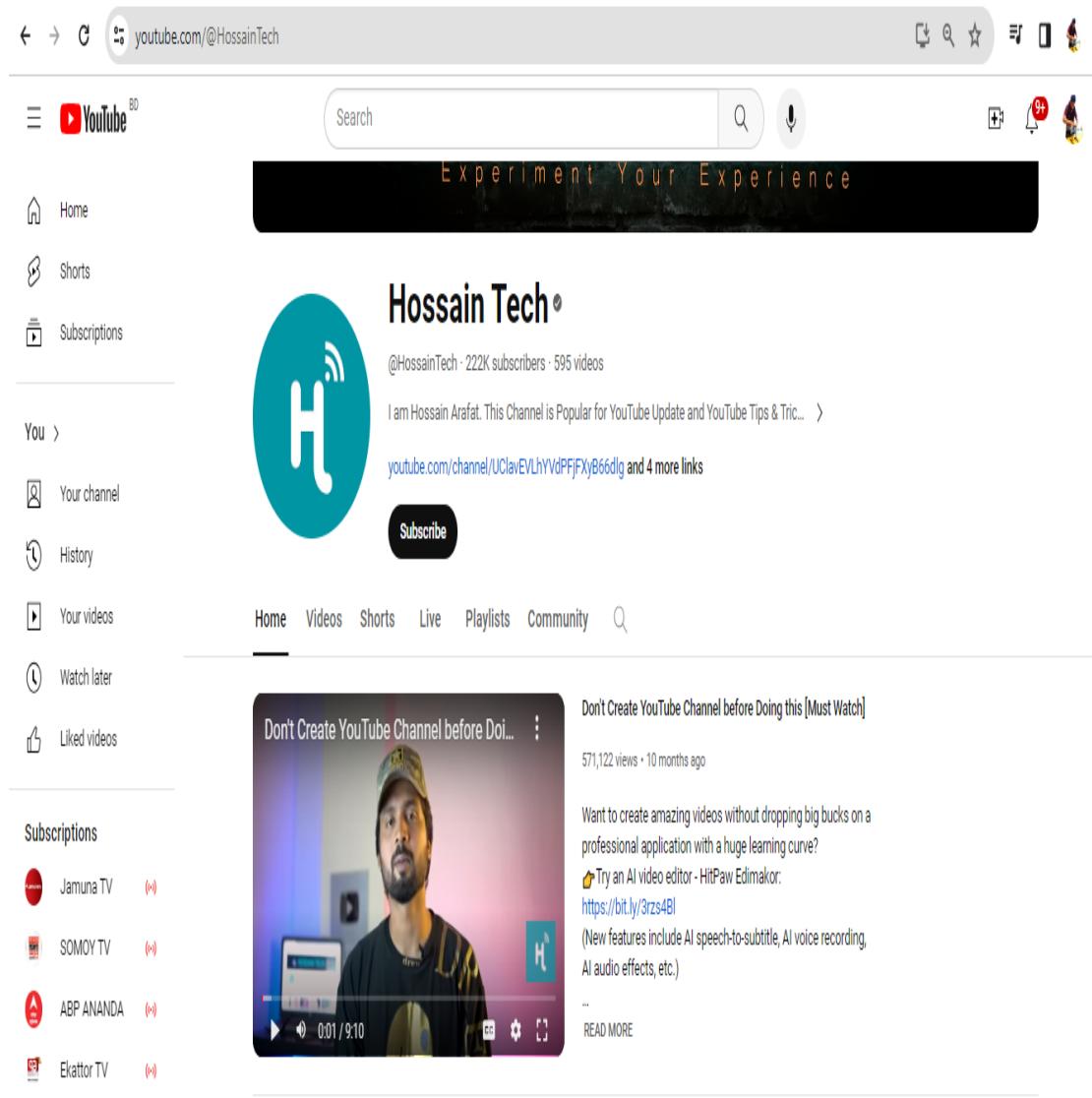


Figure 2.10: Hossain Tech YouTube Channel Interface

## 2.5.5 RH Tech Interface

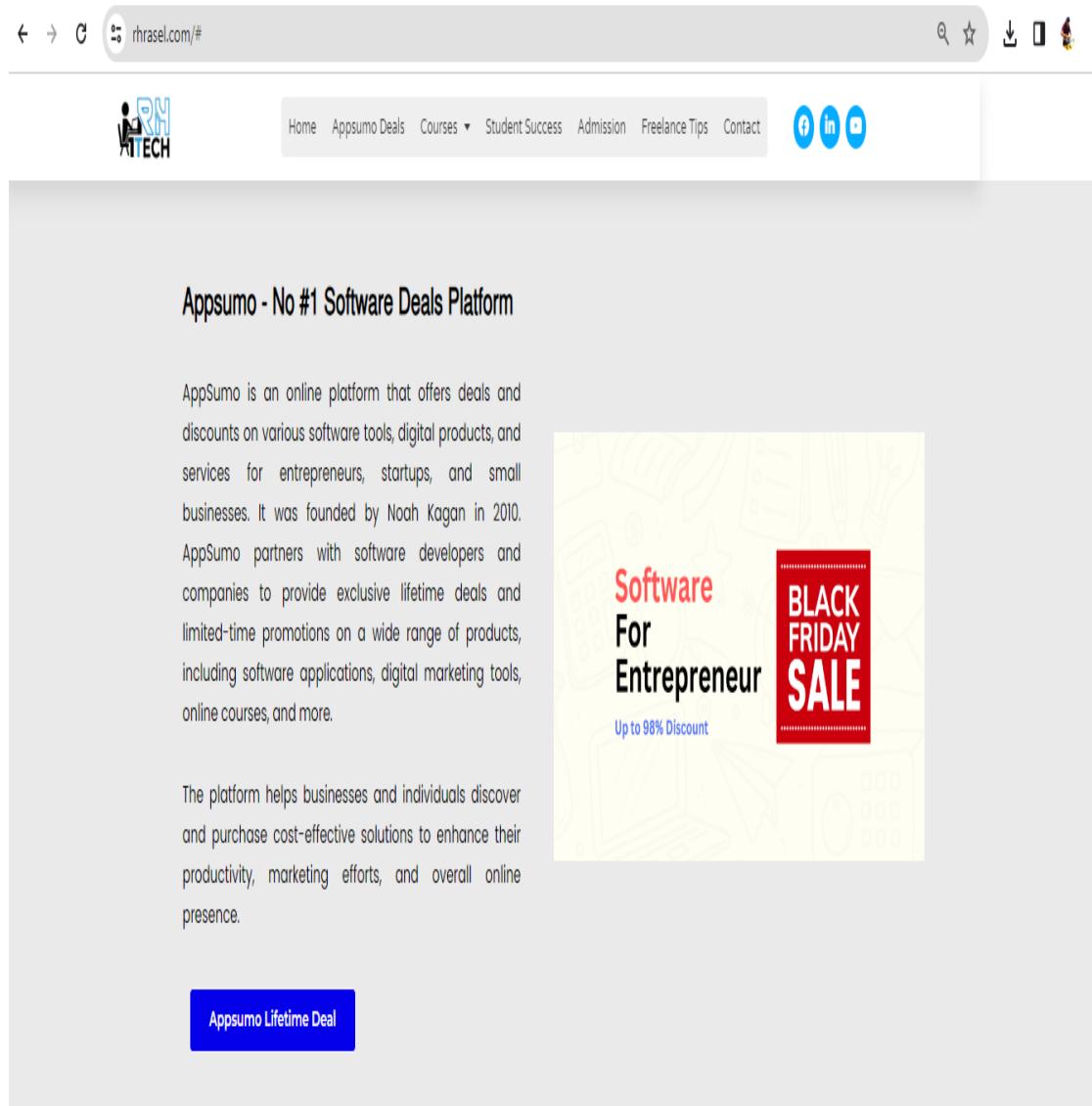


Figure 2.11: RH Tech Interface

## 2.5.6 Watch and Learn Interface

The screenshot shows the homepage of the website [watchandlearnbd.com/category/technology/](http://watchandlearnbd.com/category/technology/). At the top, there is a navigation bar with links to Home, All Job Circular, PDF Book, Technology, Certificate Format, Other, and About Us. Below the navigation bar is a large logo featuring a laptop icon inside a circle, with the text "WATCH & LEARN" next to it. The main content area has a heading "Category: Technology". Below this, there is a thumbnail for an article titled "10 Best Free Movie Download WEBSITE" under the "Technology" category. To the right, there is a sidebar with a "Latest Post" section containing five recent articles with their titles and brief descriptions.

Post Title	Description
Floods impact on agriculture in Dhaleswari River Bank Area   Best Article	Floods impact on agriculture in Dhaleswari River Bank Area   Best Article
Naogaon DC Office Job Circular 2024   dcnaogaon.teletalk Apply _ Best Opportunity	Naogaon DC Office Job Circular 2024   dcnaogaon.teletalk Apply _ Best Opportunity
DC Office Chandpur Job Circular 2024   dcchandpur.teletalk Apply _ Best Opportunity	DC Office Chandpur Job Circular 2024   dcchandpur.teletalk Apply _ Best Opportunity
কবিরের প্রথম প্রকাশিত কবিতাশু   The poet's first published book of poetry - Best Article	কবিরের প্রথম প্রকাশিত কবিতাশু   The poet's first published book of poetry - Best Article
Humid Geomorphic Environment  Complete Best Article - 2024	Humid Geomorphic Environment  Complete Best Article - 2024

Figure 2.12: Watch and Learn Interface

# **Chapter 3**

## **Tools and Technology**

### **3.1 Overview**

In this section, we discuss our tools and techniques. The foundation of our front-end design was laid using HTML and CSS, providing a robust and aesthetically pleasing user interface. To enhance the visual appeal and interactivity, JavaScript was incorporated into the mix. Moving to the back-end, we harnessed the power of advanced PHP to ensure seamless functionality. Central to our data management system is MySQL, which serves as the backbone for effective database management. Together, these elements synergize to create a dynamic and feature-rich web system.

### **3.2 Front-End**

We use a combination of state-of-the-art technologies, including HTML5, JavaScript, CSS3, and Bootstrap, to create the front-end design. Our ability to create a sophisticated and responsive user interface thanks to this combination of tools guarantees our users a smooth and visually appealing experience.

### **3.2.1 HTML5**

HTML5, our project cornerstone markup language, orchestrates seamless multiplatform design. Its knack for integrating APIs effortlessly renders it ideal for intricate web apps. HTML5 makes compliance easier for developers and browser designers alike, thanks to consensus-based standards. Yet, its true prowess lies in elevating user experiences and ensuring swift, reliable interactions across desktops and mobile devices. In this digital realm, HTML5 isn't just a language; it's the conduit through which innovation flourishes, connections thrive, and experiences transcend the ordinary.

### **3.2.2 CSS3**

CSS, the silent maestro of web design, moulds the digital canvas with finesse, complementing HTML and JavaScript in the triumvirate of web technologies. Its mission is to untangle the web tapestry, separating presentation from content with surgical precision. By granting users the reins of layout, colour, and font, CSS liberates content from the shackles of uniformity, fostering accessibility and individuality. In web development, CSS orchestrates harmony, banishing complexity and redundancy through the art of segregation. By distilling pertinent styles into separate files, it imbues structural content with clarity and efficiency.

### **3.2.3 JavaScript**

Dynamic website content—the digital ballet of movement and change—dances to the rhythm of JavaScript symphony. It breathes life into static pages, seamlessly refreshing and evolving without the need for manual intervention. From interactive forms that anticipate your every keystroke to captivating photo slideshows that mesmerise with each transition, JavaScript reigns supreme as the maestro of interactivity. Yet, its true magic lies in the subtlety of everyday encounters: the Facebook timeline that updates effortlessly or Google's intuitive search suggestions that anticipate your query. These mundane marvels, powered by JavaScript, remind us that behind every seamless user experience lies the intricate craftsmanship of this dynamic programming language.

### **3.2.4 Bootstrap**

Bootstrap, the Swiss army knife of web design, empowers creators with its versatility and agility. This comprehensive toolkit, a fusion of HTML, CSS, and JavaScript, unleashes a symphony of design possibilities. From sleek forms to captivating image carousels, Bootstrap's design templates cater to every whim, accelerating the creative journey. But its charm lies in its adaptability. With responsive CSS that effortlessly scales across devices, Bootstrap ensures a seamless experience from desktops to tablets to phones. It's the ultimate ally for designers and developers, boasting wide browser compatibility and a gentle learning curve. In the ever-evolving landscape of web design, Bootstrap stands tall as the beacon of consistency, offering reusable components and inherent responsiveness that elevate every project from mundane to magnificent.

## **3.3 Back-End**

PHP, the engine beneath the hood of our content management system, powers seamless database connectivity with finesse. This dynamic scripting language orchestrates a symphony of data retrieval and presentation, fostering effortless communication between users and databases. Beyond mere retrieval, PHP unlocks the door to intelligent data examination, paving the way for dynamic graphs and visual aids that illuminate insights. With PHP at the helm, our system doesn't just retrieve data; it curates experiences, enabling insightful analysis that enhances user engagement and satisfaction.

### **3.3.1 PHP**

PHP, the heartbeat of web dynamics, breathes life into diverse online realms. As a server-side maestro, it crafts everything from dynamic websites to robust web applications. Yet its essence lies in accessibility, echoing its roots in openness and freedom. With PHP, creativity knows no bounds, as it thrives in the realm of open source. From its humble origins to its widespread adoption, PHP remains the silent force driving the digital revolution.

### **3.3.2 MySQL Database**

The most popular open-source database in the world right now is MySQL. Well-known online communities like Facebook, Twitter, YouTube, Yahoo!, and many others frequently use it, and it has established itself as the preferred database for a wide range of web applications. Leading the way in innovation, Oracle develops MySQL and continuously adds state-of-the-art features to support the development of mobile apps, cloud services, embedded systems, and next-generation web solutions. The long-term viability and broad adoption of MySQL highlight its essential function in shaping the technical environment of contemporary digital platforms. In the mosaic of digital innovation, MySQL shines as a beacon of reliability, guiding developers towards new horizons of possibility. From its humble beginnings to its current stature, MySQL's journey is a testament to the transformative power of open-source technology, reaffirming its essential function in shaping the technical landscape of tomorrow's digital frontier. And we use the XAMPP application to implement our project. [7][8][9]

# **Chapter 4**

## **Software Process Model and Methodology**

### **4.1 Overview**

This section covers the System Development Life Cycle (SDLC), a model of the development process. Additionally, talk about our approach and the advantages of the agile technique.

### **4.2 Software Process Model**

#### **4.2.1 The System Development Life Cycle (SDLC)**

The Software Development Life Cycle (SDLC), an organized methodology, offers a productive way to quickly and affordably produce high-quality software. Its goal is to create outstanding software that surpasses client requirements and expectations. A few different kinds of approaches are available.

- Agile.
- Waterfall.
- V-Shaped.

- Iterative.
- Spiral.

But among all these methodologies, we use agile methodology in our project.

## 4.3 Methodology

### 4.3.1 Our Work Flow

The Agile method is a way of managing projects that focuses on constant collaboration and growth while breaking up the work into manageable pieces. Our work flow is given below:

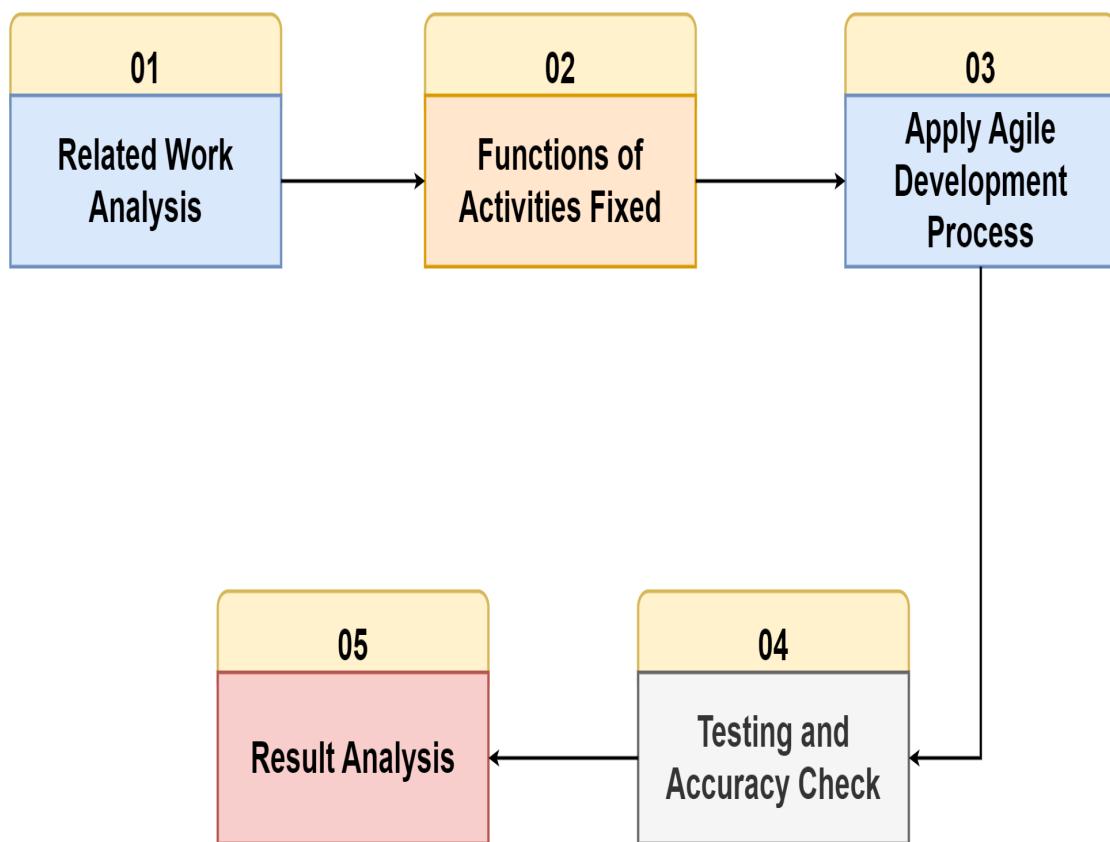


Figure 4.1: Our Work Flow

### **4.3.2 Related Work Analysis**

We have looked over a great deal of websites (Sohag 360°, Saifur Rahman Azim, Sadhin Tech, Hossain Tech, etc.). We're discovering gaps on those websites. Tech videos, an appealing website, a login interface, income tax support, a course enrollment option, an admin panel, and round-the-clock tech problem-solving support are all absent from their website. We are trying to include these special features on our website while conducting a thorough analysis of the issue.

### **4.3.3 Function of Activities Fixed**

We found something lacking on a different website. We want to solve these shortcomings. And we set our project features, which are given below:

- Course enrollment.
- Online course certificate claim.
- Tech videos.
- Buy products.
- Income tax help.
- 24/7 support team option.
- Location map.
- Client review.
- Payment.

### **4.3.4 Apply Agile Development Process**

We use Agile methodology in our project. It has an amazing backtracking system and user feedback system, which we will use to update our project in the future.

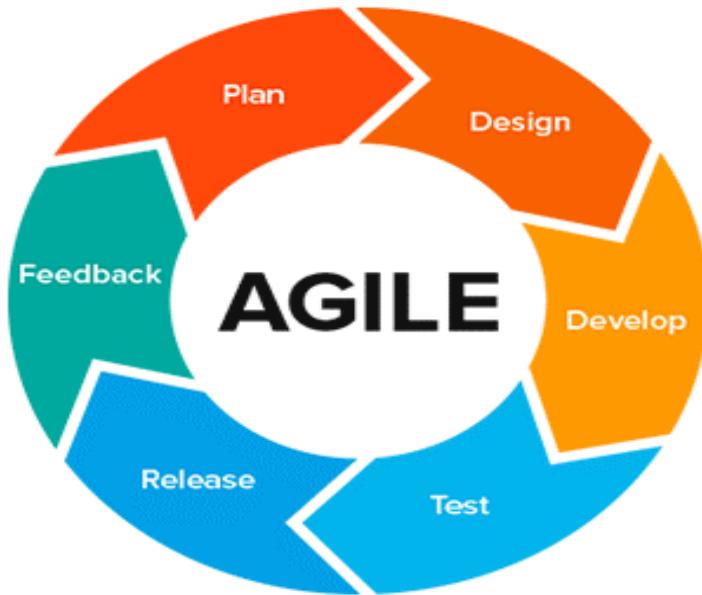


Figure 4.2: Agile Methodology

#### 4.3.5 Testing and Accuracy Check

We wanted to conduct manual testing at first, then we selected white box testing because, in this testing, we know which features are working and which are not. We also test each feature manually to find the bugs in the project, and we want to make it user-friendly.

#### 4.3.6 Result Analysis

Overall, we failed two test cases in our manual testing and passed the remaining test cases successfully. Below are the test cases for all the functions of our website.

Table 4.1: Our Project's Testing and Accuracy Check

Criteria	Action	Input (Test Case)	Expected Output	Actual Output	Test Result
Sign up	New user sign up	Fill up all registration information	Account creating successful	It has been successful	Yes Pass
Login	Login user	Wrong input email or password	failed to login	failed to login input valid email or password	Yes Pass
	Forgot password	If you don't remember the password, forget it	Input your registration email and forget it	Don't receive forget email code messages	Not Pass
Website access on all devices	Responsive website	Website visits with computers and smart devices	Website view successful with laptop and mobile	Responsiveness of website view on laptop and mobile devices is working successfully	Yes Pass
Tech Video	Play video	Video play and quality all performance	Any Video Select Video Play Smoothly All Features Work Successfully	Tech Video Play Smoothly Quality Better Performance Successful	Yes Pass
Tech Product	Tech Product Purchase	Product chosen and paid purchase successfully	Product selection complete but payment due not purchase product	Payment Successful Order Confirm Otherwise Not Successful	Yes Pass
User Support	Support Team	Fill-up Information for user	Missing any information ops there is a problem	All information fill-up message will be successful	Yes Pass
	Invalid Email Input	A user invalid email account input result	User fills in an invalid Gmail account and all the information, the message will not be successful	Submit with invalid Gmail and other information, the message will go successfully	Not Pass

### 4.3.7 Benefits of Agile

We use Agile methodology in our project because it has so many advantages. The benefits of the Agile methodology are given below:

- Less predictable.
- User feedback system.
- Significantly lower level of predictability.
- Greater dedication and time.

- Lower costs.
- Improved quality.
- Client satisfaction.
- Organisational synergy.
- Greater demands on developers and clients.
- Projects easily fall off track.
- A fast and consistent supply of practical software results in satisfied customers.

That's why we employ the Agile methodology in our project to achieve all of the aforementioned benefits.

# **Chapter 5**

## **Design and Implementation**

### **5.1 Overview**

This chapter will cover topics related to system design, use case diagrams, data flow diagrams, high-level diagrams, low-level diagrams, sequential diagrams, activity diagrams, entity relationship diagrams, project overviews, and admin dashboards. A comprehensive analysis of each of these is given, and we describe our project design in this chapter.

### **5.2 System Design**

#### **5.2.1 System Architecture**

Our project's system architecture is very strong, and we are focused on security. For security reasons, we use MD5. This website allows users and administrators to register and save their information in a database. Users can access unique features such as course enrollment, tech video, online claim certificate, client review, location map, payment, buy product, income tax/e-return submission help, and support team. Users can register for courses, select tech videos, and submit online claims. The website also provides a location map and payment options through affiliated bank partners like Bkash, Nagad, Rocket, and Brac Bank. Users can also submit income tax or e-return submis-

sions and receive support from the support team. The website offers 24-hour support to solve various tech problems, including copyright claims, YouTube channel recovery, brand account conversion, and copyright strike issues. Overall, users can enjoy all the unique features on one platform. Again, by using some diagrams, we explain briefly about our system architecture.

### **5.2.2 Admin Site**

The IT Science admin panel of our website will show the message data of the support team and the course enrollment data, as well as our top client and top-selling products and an annual overview of our website. We must have access to our admin panel for this, which we can add by clicking the admin button at the bottom of our home page. We have manually set the admin user and password in our database by logging in to see all the features of the admin panel and some specific features of our website. Our highly skilled team members can be monitored through the admin panel.

## **5.3 Use-Case Diagram**

There are two key roles within the system: user and admin. The user has the ability to perform actions such as register, login, logout, tech video, location map option, course enrollment system, online course certificate claim, income tax/e-return submission help, client review, 24-hour support option, and buy the product. On the other hand, the admin can register, login, logout, upload courses, see insights, upload courses, and manage the support team. Moreover, give tech support in the sectors of online course certificate claims and income tax/e-return submission.

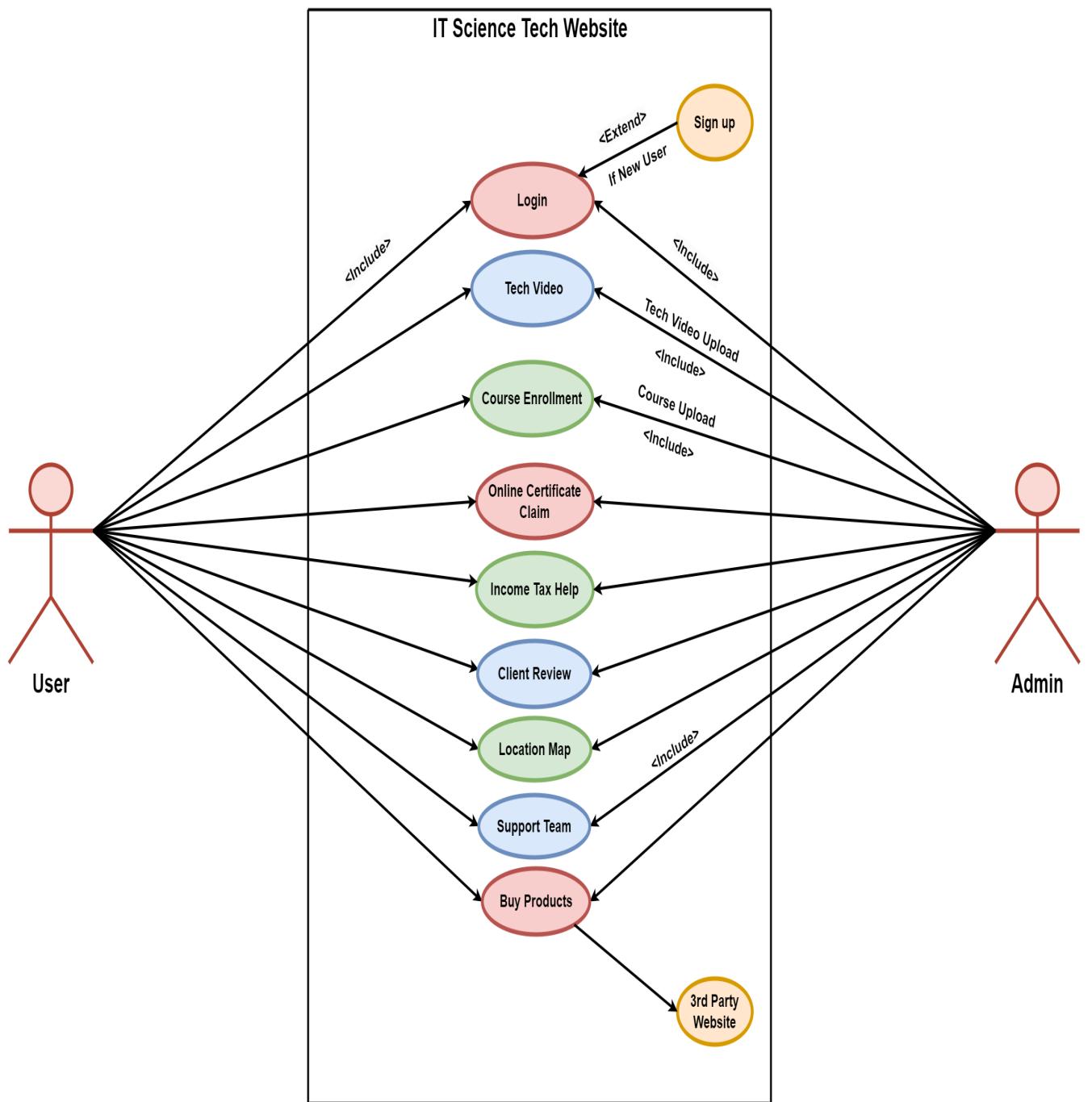


Figure 5.1: Use-Case Diagram

## 5.4 Data Flow Diagram (DFD)

### 5.4.1 DFD Level-0

Within this website, a comprehensive network is established through a sophisticated login management system, intertwining the user and admin entities whose pertinent information is securely stored in a centralised database. Beyond the fundamental user-admin connectivity, the system extends its capabilities to encompass intricate user management protocols. This encompasses dedicated modules for client management, support team functionalities, and meticulous administration management. The seamless integration of these components creates a robust ecosystem that facilitates efficient handling of users, clients, and administrative tasks, enhancing the overall operational efficacy of the system.

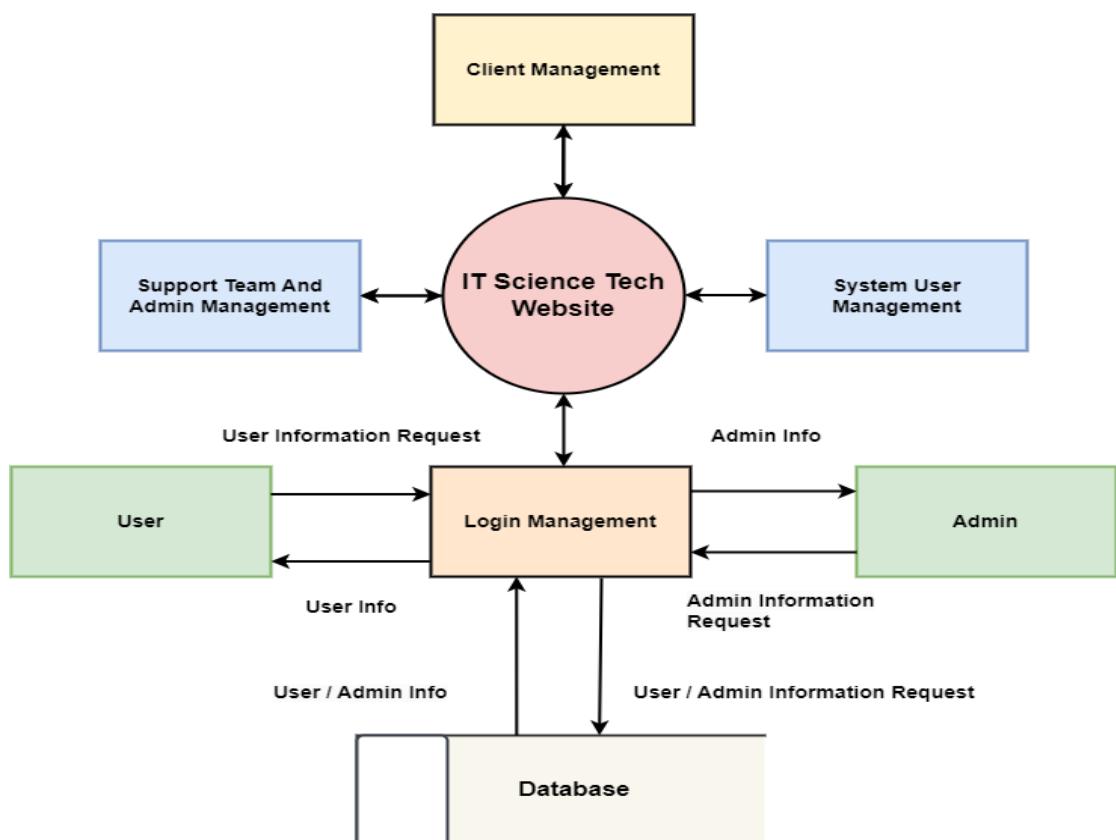


Figure 5.2: DFD Level-0

### 5.4.2 DFD Level-01

In this system, users can use the 24-hour support option, tech video, buy products, location map option, course enrollment system, client review, online course certificate claim, and income tax/e-return submission help. On the other hand, admins can manage all the unique features.

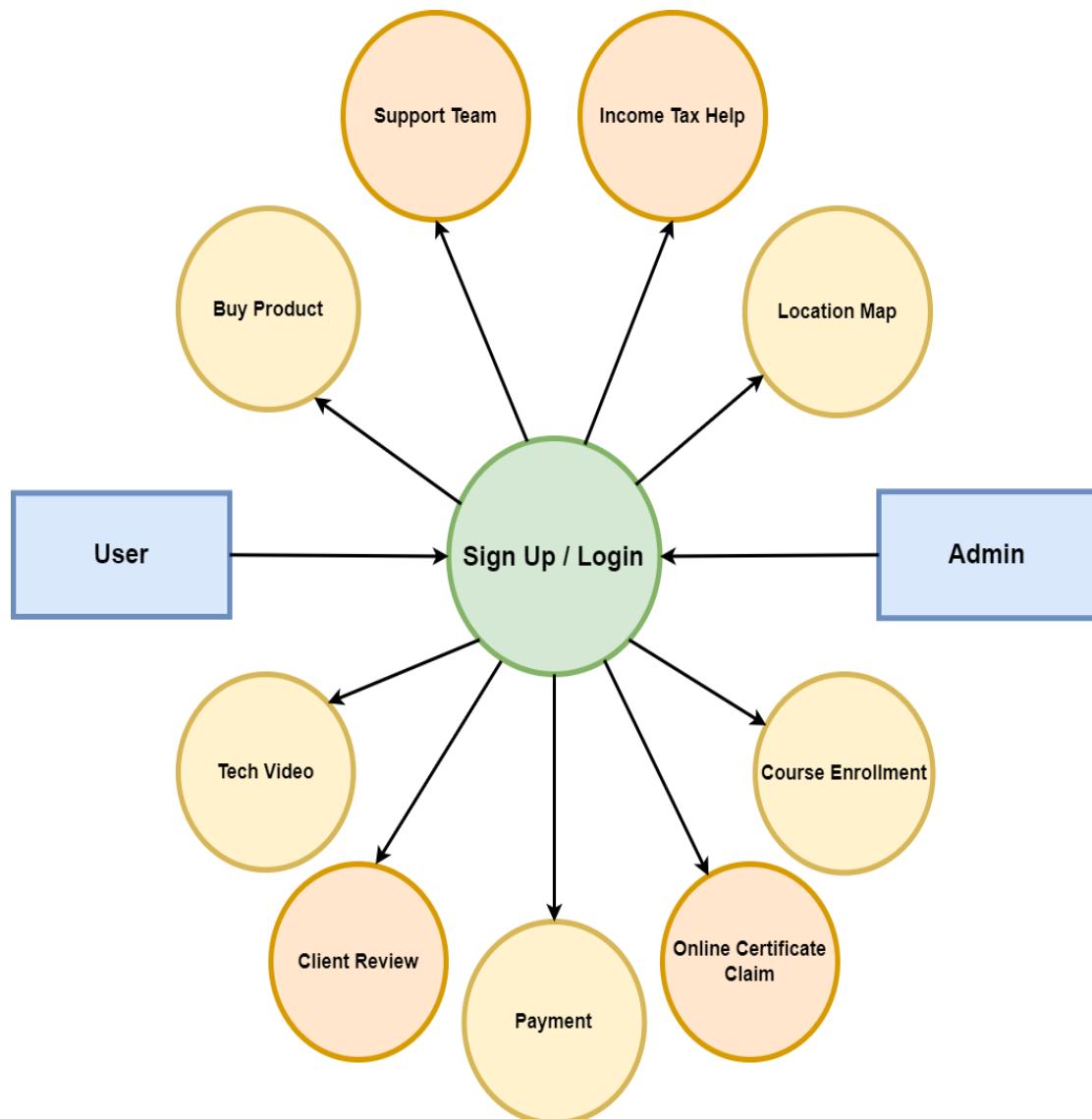


Figure 5.3: DFD Level-01

### **5.4.3 DFD Level-02**

On this website, users and administrators first register their accounts, and their information is saved in our database. By logging in to our website, users get unique features such as course enrollment, tech video, online claim certificate, client review, location map, payment, buy the product, income tax/e-return submission help, and support team. Without a login, users can't enjoy our features and special services. In course enrollment, the user has to register, and his information (name, email, phone number, date of birth, course name) is saved in our database. Admin checks this, and after payment confirmation and verification, admin sends the Google Classroom code and the Zoom link by email. In tech video, users can select any tech video, and it will link to our YouTube channel. In an online claim certificate, the user has to fill up the Google form correctly with personal information, and admin checks this.

After payment confirmation and verification, admin sends the online certificate by email and a hard copy of the certificate by post office. In client reviews, users can see only our pre-uploaded client reviews, which are collected from our Facebook page and YouTube. Moreover, users can send reviews via the support team option, and these reviews are also uploaded in the client reviews section. In the location map, the user sends the request to the GPS, and the GPS sends the location to the user. In buying a product, the user selects any product, and then it links to the product's own website. It is actually an affiliated business strategy. In payment, users can select payment methods like Bkash, Rocket, Nagad, and Brac Bank, which are affiliated bank partners of ours, and pay money by using their payment gateway.

In income tax/e-return submission, the user has to fill up the Google form correctly with personal information, tax category, and problem statement, and admin checks this, and after payment confirmation and verification, admin sends the zoom link by email. In the support team, users have to fulfil the information (first name, last name, email, problem message). This information was saved in our database, and admin sent a Zoom link to solve the user's problem by email. We provide 24-hour support, and by using this support team, users can solve various types of tech problems, such as copyright

claim issues, YouTube channel recovery problems, brand account conversion problems, copyright strike issues, etc. Moreover, users can get all the unique features on one platform.

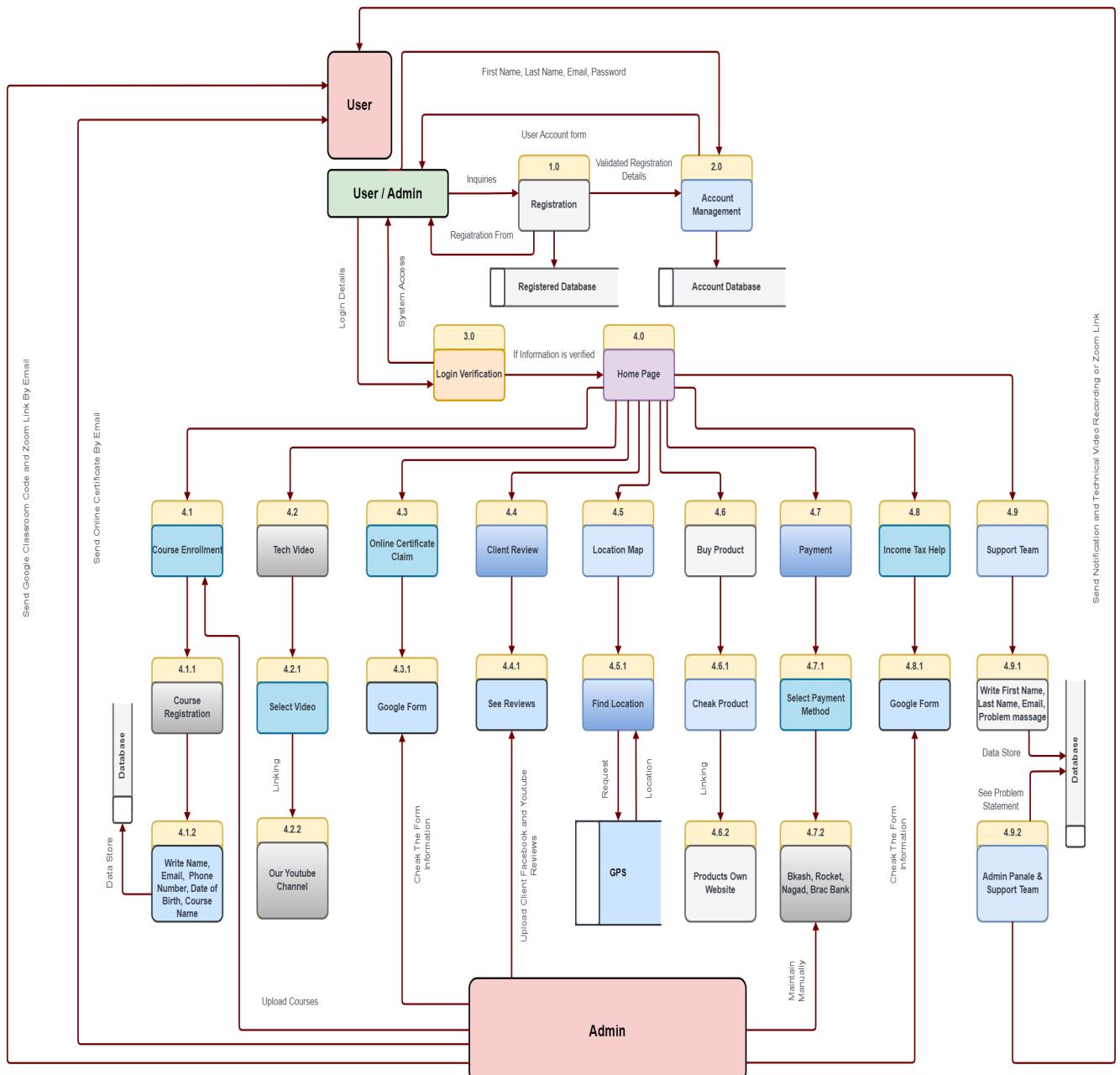


Figure 5.4: DFD Level-02

## 5.5 High Level Diagram

This comprehensive website offers a multifaceted user experience with a rich array of features. Users can seamlessly engage with tech videos, providing a diverse and informative resource. The 24-hour support option ensures that users have continuous assistance, addressing their queries and concerns in real-time. The platform extends beyond information consumption, allowing users to purchase products directly. The integration of a location map feature enhances user interaction, providing geographical context where needed. The course enrollment system simplifies the process for users to register for various courses, creating a streamlined educational journey. Online course certificate claims are facilitated through a user-friendly system, ensuring accuracy and efficiency. The payment system supports secure transactions, offering users a convenient and trustworthy financial experience. Client reviews, sourced from diverse platforms, provide valuable insights and feedback for prospective users. For users navigating the complexities of income tax and e-return submissions, the platform offers dedicated assistance.

The user/client management system ensures personalised and efficient interaction, while linkup management streamlines connectivity across various features. The robust database and control system underpin the platform's functionality, ensuring data integrity and seamless operations. In essence, this all-encompassing platform not only consolidates diverse functionalities but also provides users with a plethora of benefits. By offering a one-stop solution for tech videos, support, product purchases, location mapping, course enrollment, certificate claims, payments, client reviews, and tax assistance, users can efficiently meet their technological and educational needs. The integration of user/client management, linkup management, and a robust database control system further enhances the overall experience, making it a truly comprehensive and user-centric platform.

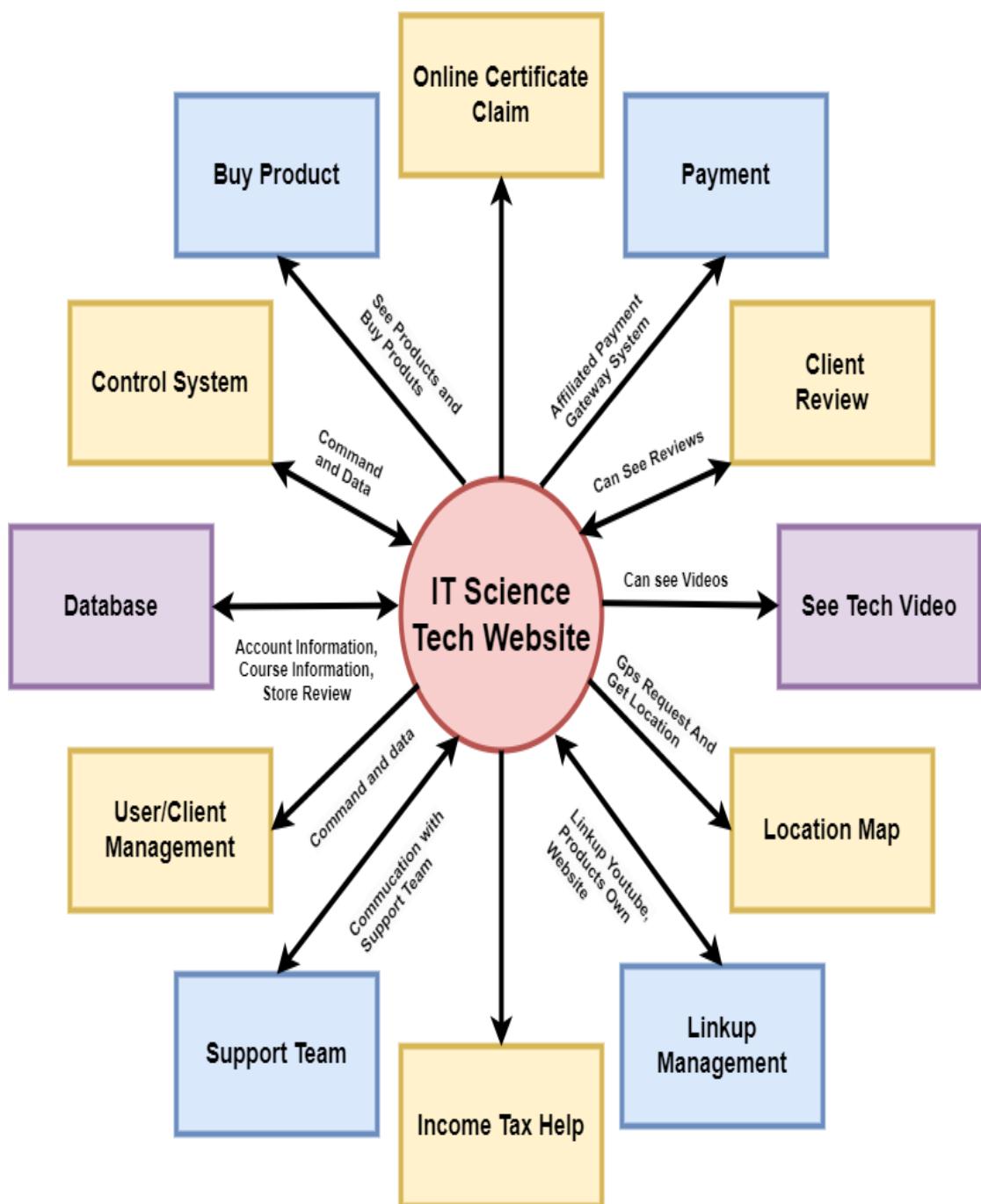


Figure 5.5: High Level Diagram

## 5.6 Low Level Diagram

Our platform offers seamless registration for users and administrators, unlocking features such as course enrollment, tech videos, and client reviews. Users receive Google Classroom codes and Zoom links upon payment, while certificate claims are facilitated through a Google form. Location mapping and secure payments via partners like Bkash ensure convenience, while income tax support streamlines compliance. Our 24-hour support team ensures swift resolution of tech issues, making our platform a comprehensive solution hub.

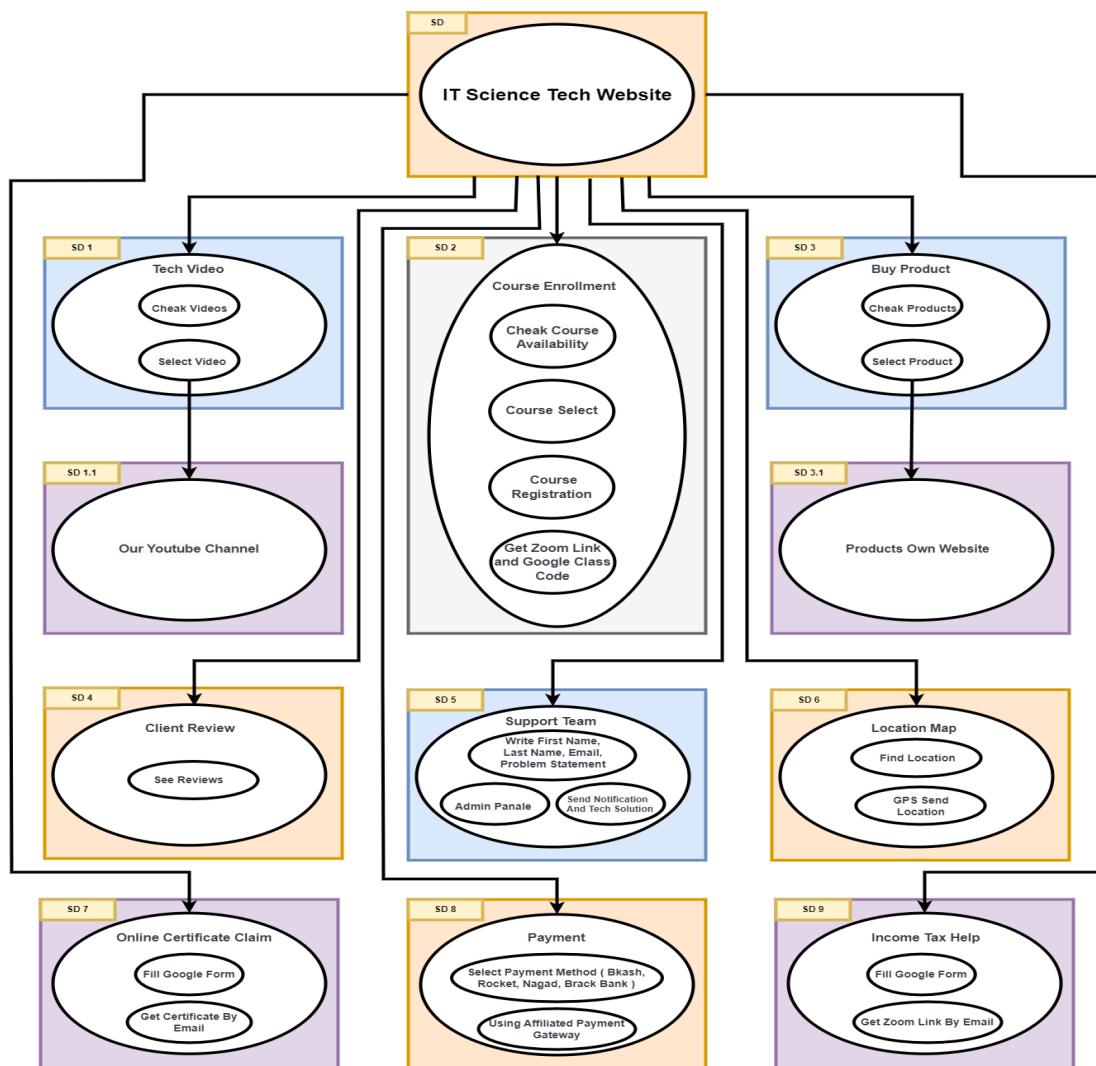


Figure 5.6: Low Level Diagram

## 5.7 Sequential Diagram

Within our platform, both users and administrators embark on an initial registration process, securing their details in our database. Upon logging in, users unlock a plethora of exclusive features, spanning course enrollment, tech video exploration, online certificate claims, client reviews, location mapping, seamless payments, product purchases, and assistance with income tax and e-return submissions via our dedicated support team. For course enrollment, users complete registration with key details, including name, email, phone number, date of birth, and the desired course. The admin reviews this information and, upon payment validation, dispatches Google Classroom codes and Zoom links via email. Tech enthusiasts can delve into a variety of tech videos, seamlessly linked to our dynamic YouTube channel. Online certificate claims involve users accurately completing a Google form with personal details. After payment validation, the admin sends digital certificates via email and hard copies via postal service. Client reviews, sourced from Facebook and YouTube, are readily available for user perusal.

Additionally, users can contribute their own reviews through the support team, which are then featured in the client reviews section. The location map feature allows users to request GPS coordinates, enhancing the interactive experience. Product purchases redirect users to affiliated websites, incorporating a strategic business approach. Payment methods, including Bkash, Rocket, Nagad, and Brac Bank, our esteemed partners, ensure secure transactions through their payment gateways. For income tax and e-return assistance, users complete a Google form with personal details, tax category, and problem statement. Post-verification, the admin dispatches Zoom links via email. The support team, available day to night, aids users in resolving various tech issues such as copyright claims, YouTube channel recovery, brand account conversions, and copyright strike problems. Our platform offers a consolidated hub where users can access all these unique features.

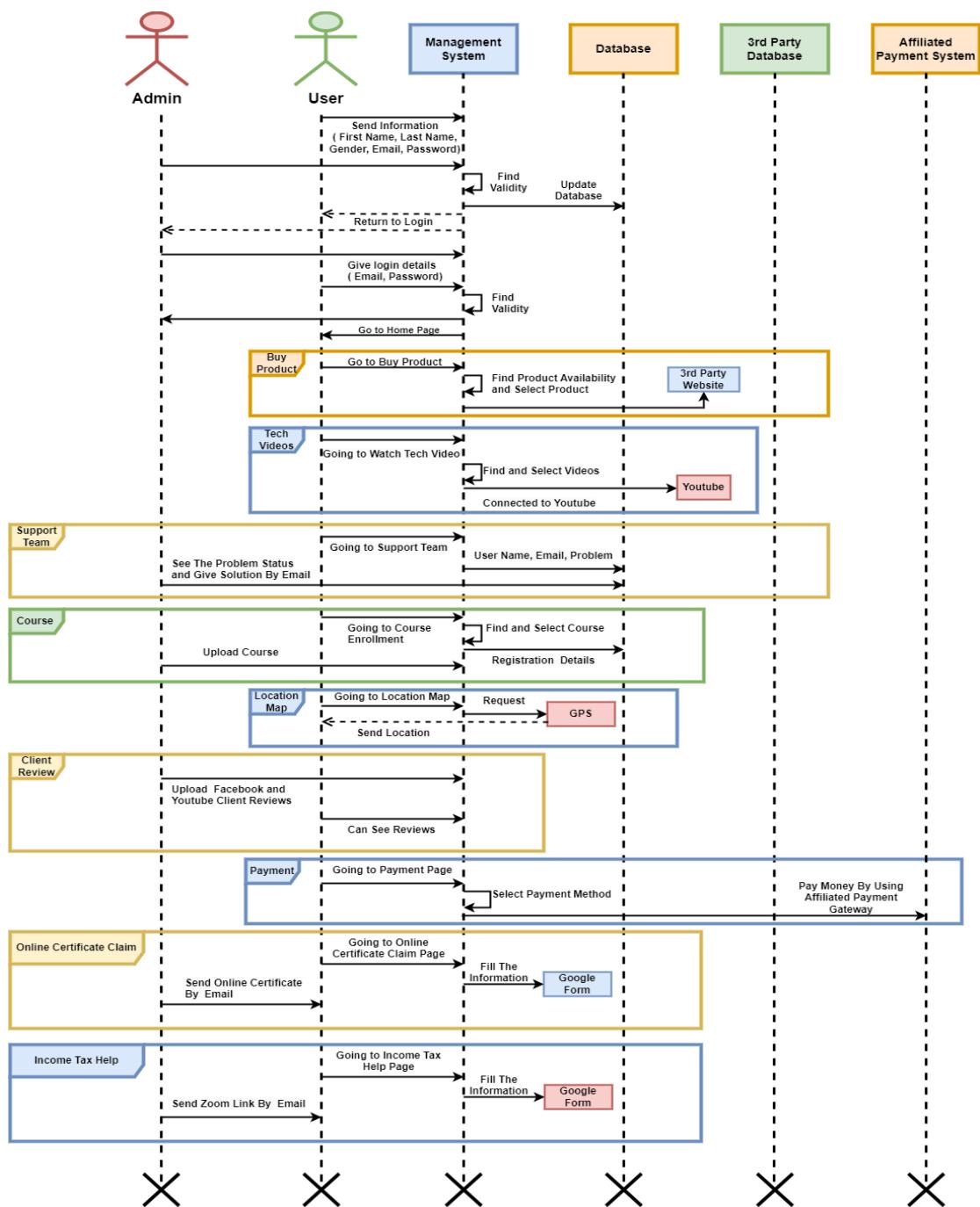


Figure 5.7: Sequential Diagram

## **5.8 Activity Diagram**

On this website, users and administrators begin by creating accounts by signing up and providing essential details like first name, last name, email, gender, and password. Successful login is contingent on valid information, denying access if details are incorrect. Online certificate claims involve users completing a personalised Google form, with digital and hard copies dispatched post-payment. User reviews from Facebook and YouTube are easily accessible, and contributions can be made through our support team, featured in the client reviews section.

Moreover, enrolling in courses requires users to submit essential details, with the admin reviewing and sending Google Classroom codes and Zoom links post-payment confirmation. Tech enthusiasts can explore diverse tech videos on our dynamic YouTube channel. Assistance with income tax and e-return involves users completing a personalised Google form and receiving Zoom links post-verification. Our support team aids users in resolving tech issues, from copyright claims to YouTube channel recovery. The platform acts as a centralised hub, offering a comprehensive suite of unique features. The location map feature allows users to request GPS coordinates, enhancing the interactive experience. Product purchases redirect users to affiliated websites, emphasising our strategic business approach. By utilising the secure payment channels provided by our renowned partners, we can guarantee the security of your transactions.



Figure 5.8: Activity Diagram

## 5.9 Entity Relationship Diagram

Here, there is a good relationship between entities and attributes in this diagram. The user and administrator have attributes such as first name, last name, gender, email, and password. After registration, they can login by email and password. In the course enrollment entity, there are some attributes: name, phone number, date of birth, course name, and email. In the support team, there are four attributes: first name, last name, email, and message.

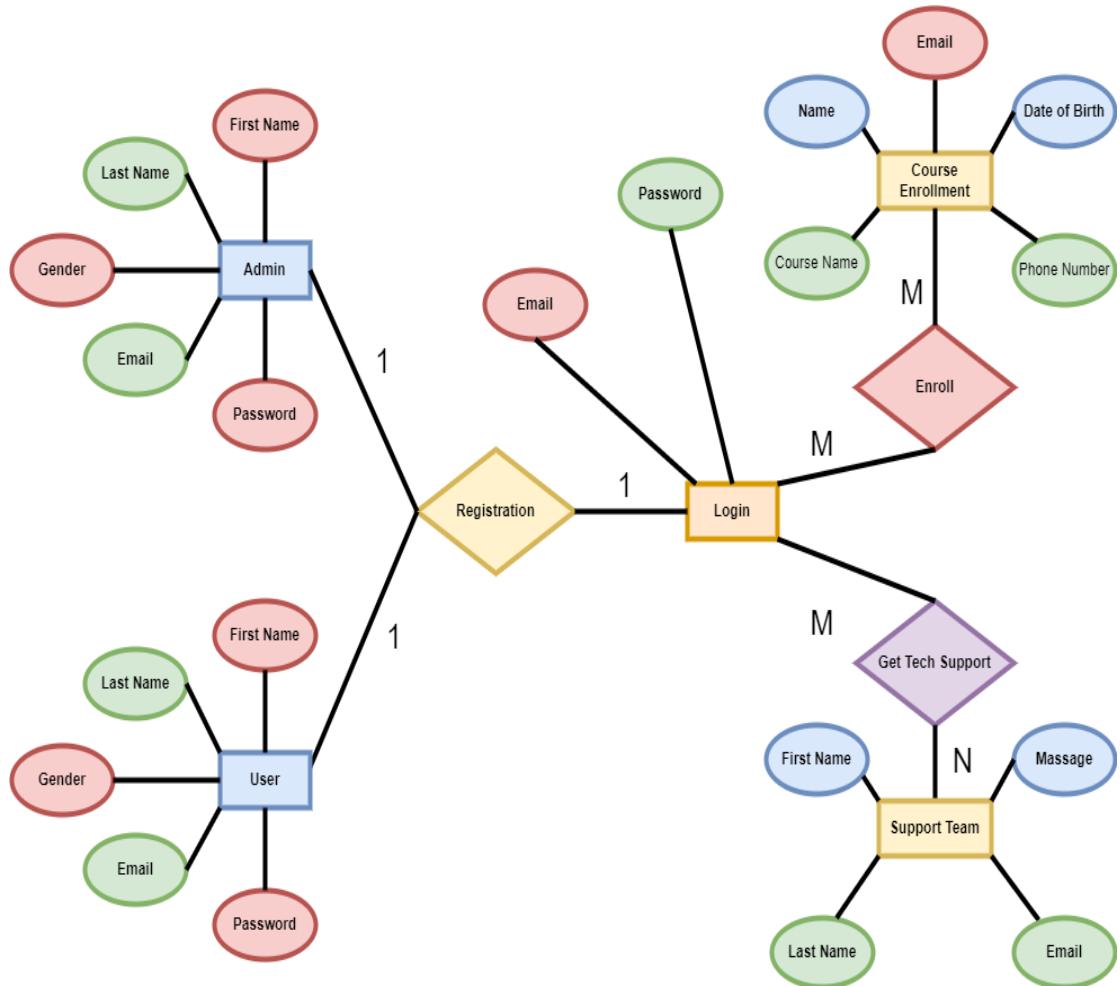


Figure 5.9: Entity Relationship Diagram

## 5.10 Project Overview

### 5.10.1 User Login Page

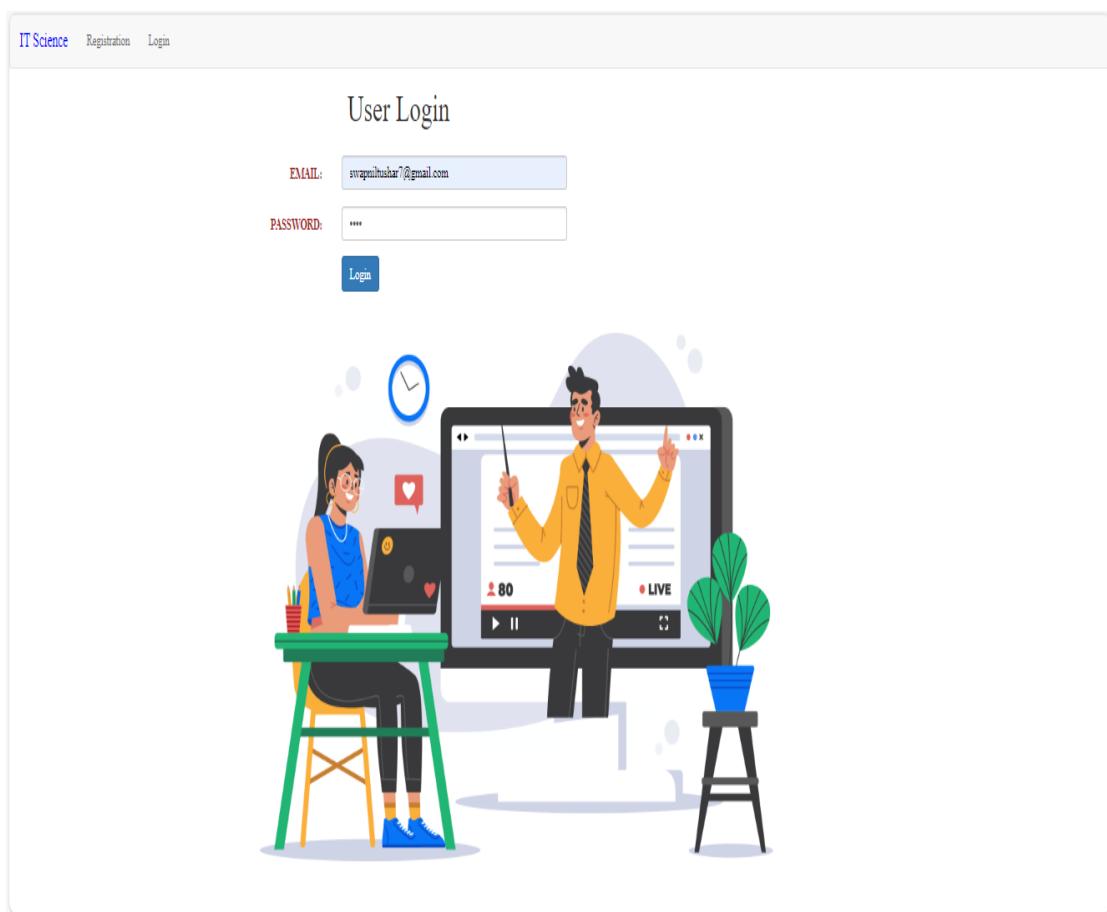


Figure 5.10: User Login Page

The page where we log in is this one. Once the user has successfully registered on our website, they can login and utilise our special services. The user cannot use all services without a login. Here, the user can see his or her account profile.

### 5.10.2 User Registration Page

IT Science Registration Login

## User Registration

FIRST NAME:

LAST NAME:

GENDER:  MALE  
 FEMALE

EMAIL:

PASSWORD:

A stylized illustration featuring a large red letter 'W' set against a light blue background. Inside the 'W', there are several icons representing data analysis and technology: a magnifying glass over a globe, a diamond shape, a bar chart, and a person holding a tablet displaying a graph. Two small human figures are shown interacting with the 'W': one figure on the left is looking through a magnifying glass at the globe icon, while another figure on the right stands next to the person with the tablet.

Figure 5.11: User Registration Page

On the user registration page, the user can create an account by providing certain details (first and last name, gender, email address, and password). The user can then effectively log in to our website.

### 5.10.3 Primary Home Page



Figure 5.12: Primary Home Page

Our project's primary home page is this one. Users can see exclusive features like tech video, online claim certificate, client review, location map, payment, purchase product, income tax, and assistance with e-return submission through this interface. However, users are unable to use our special services without signing up and logging in. The user can access our main home page after logging in and signing up to use our unique features.

#### 5.10.4 Main Home Page

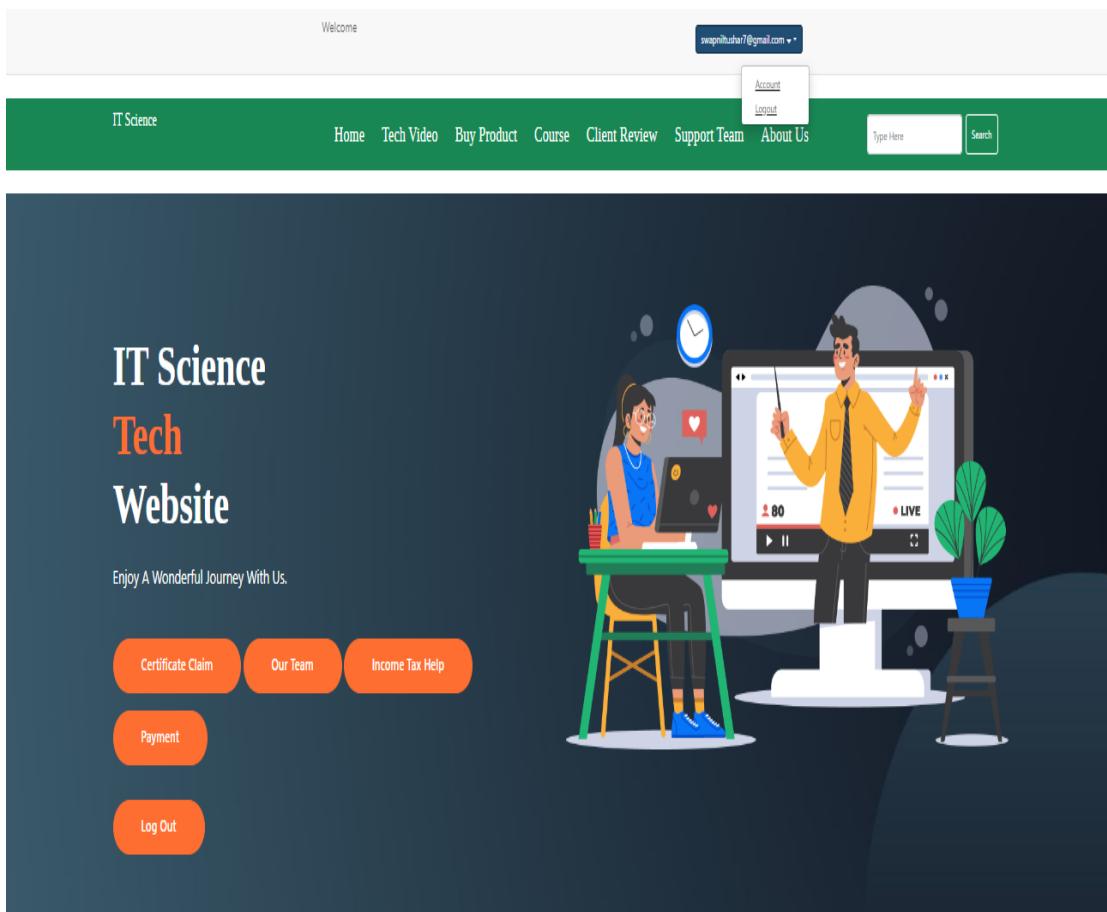


Figure 5.13: Main Home Page

On our main home page, users get unique features such as course enrollment, tech video, online claim certificate, client review, location map, payment, buy product, income tax/e-return submission help, and support team. By logging in to this interface successfully and providing us with a nominal charge for those services, users can benefit from us by receiving our services.

### 5.10.5 Account Profile Page

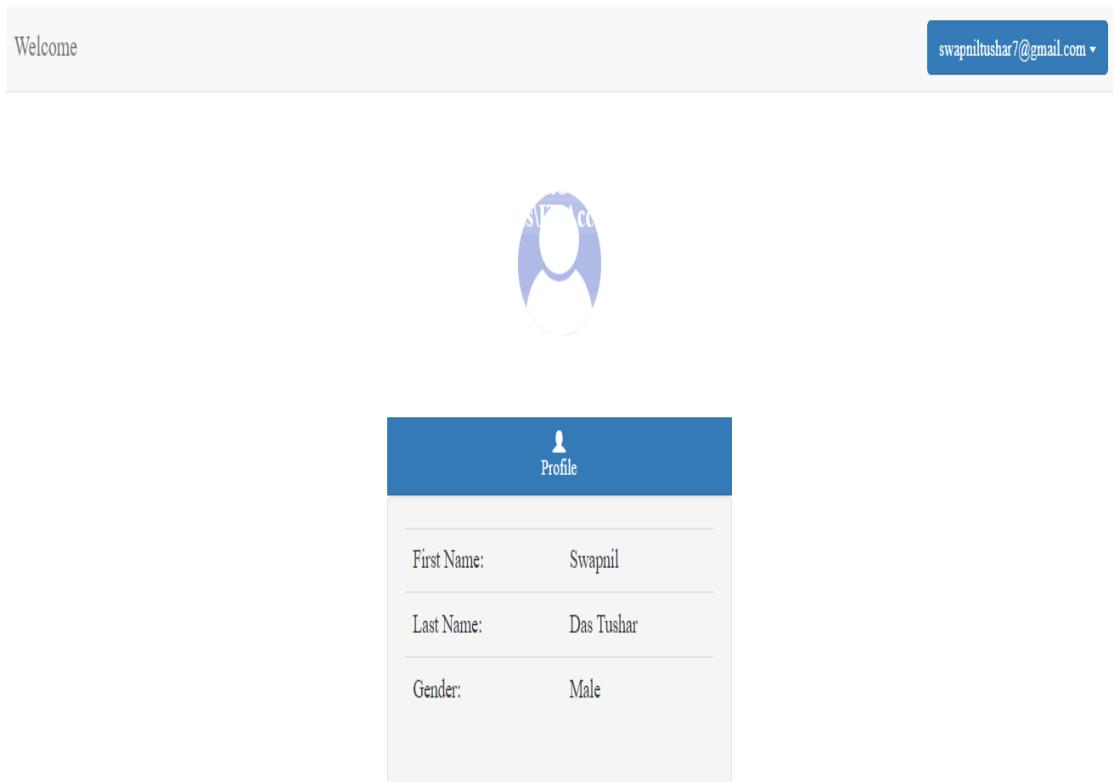


Figure 5.14: Account Profile Page

By logging in to our main home page, the user can see his or her account profile. The account profile page displays the user's first and last names, image, email address, and gender.

## 5.10.6 Our Team Page

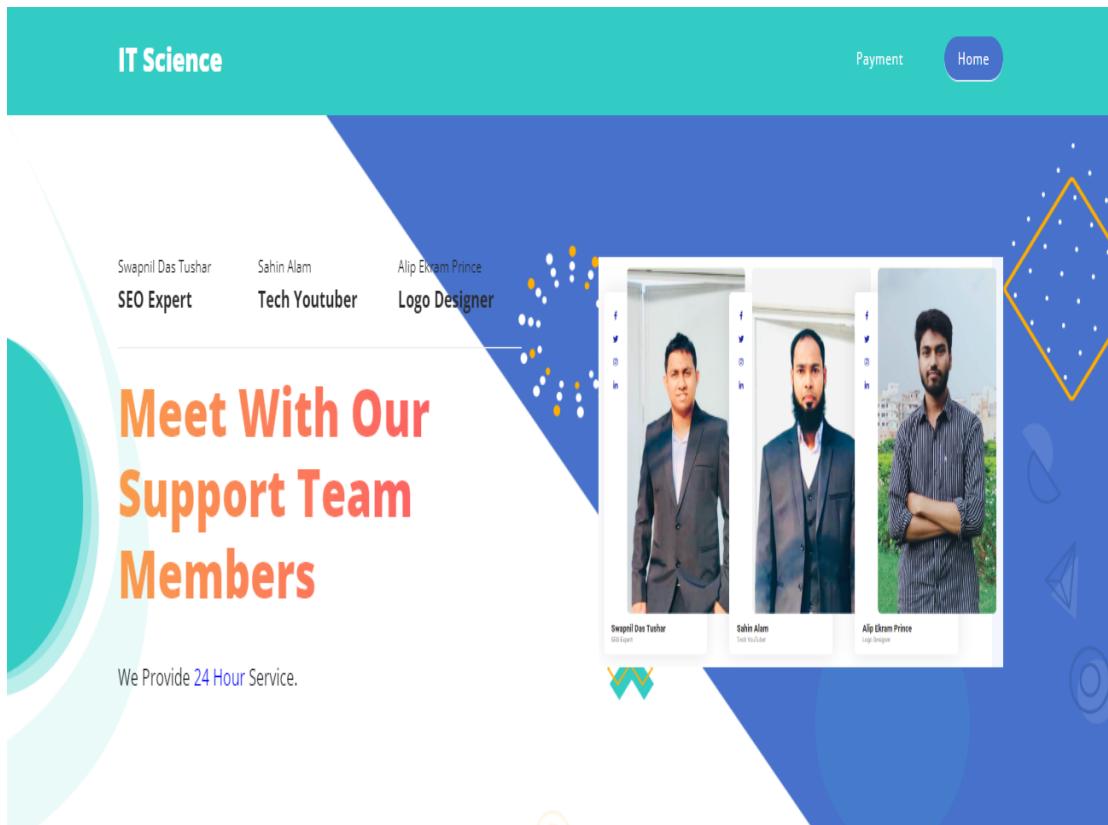


Figure 5.15: Our Team Page

On our team page, users can see our highly skilled support team members. Our support team members are always active to give the client better services. Moreover, they can solve any type of tech solution, such as monetization problems, copyright strike problems, brand account conversion problems, adsense problems, channel recovery problems, etc.

## 5.10.7 About Us Page

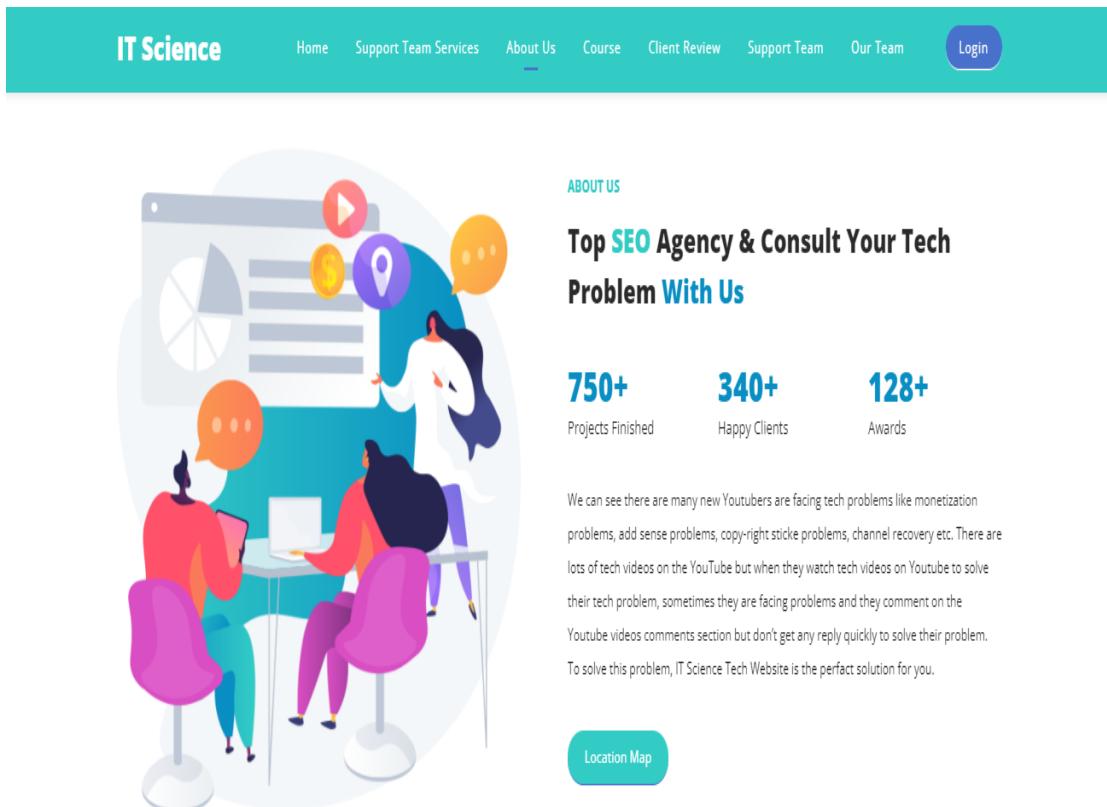


Figure 5.16: About Us Page

In this interface, users can learn about us. Again, users can also know our location by using our location map option. Moreover, users can see our happy client, finished work, and wards.

### 5.10.8 Payment Details Page

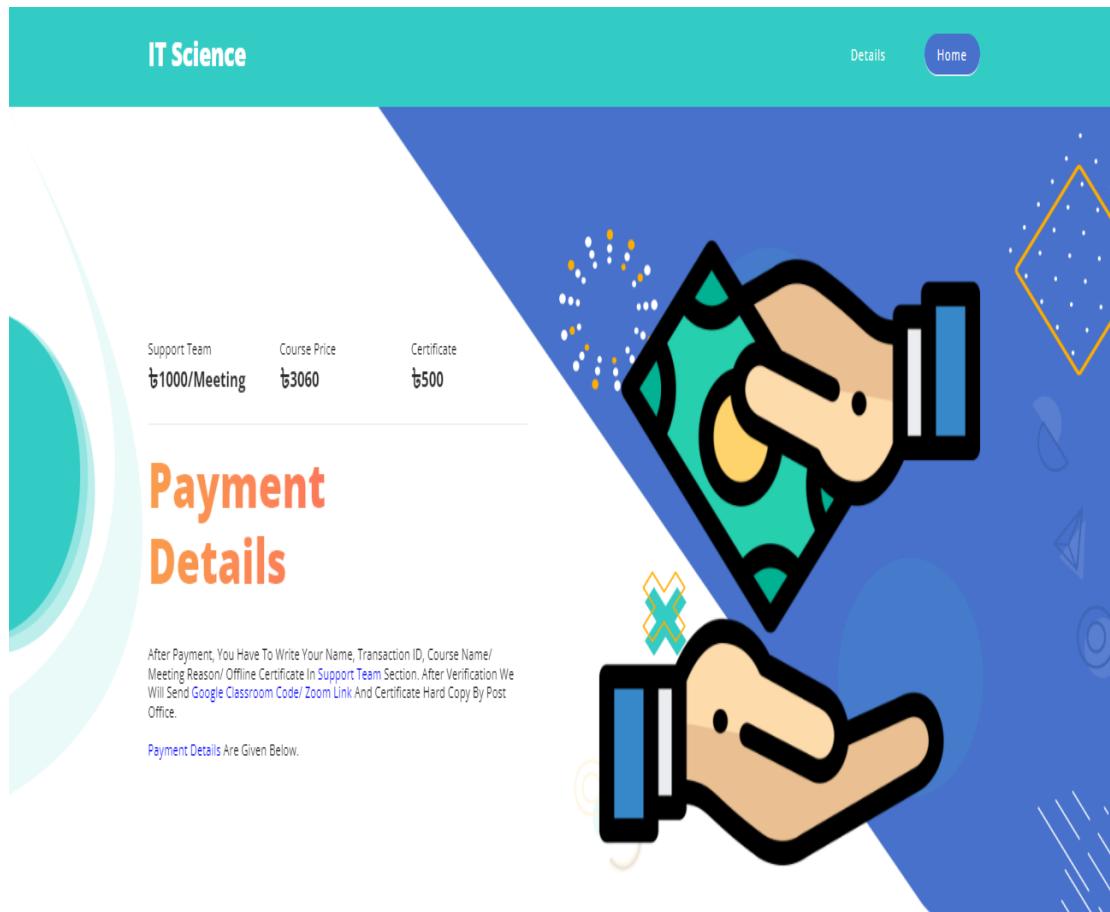


Figure 5.17: Payment Details Page

The user can view the payment amount and our payment details on this page. 1000 BDT for every meeting for the support staff, 3060 BDT for each course, and 500 BDT for the certificate. The user can access all services when successfully making a payment.

### 5.10.9 Payment Page

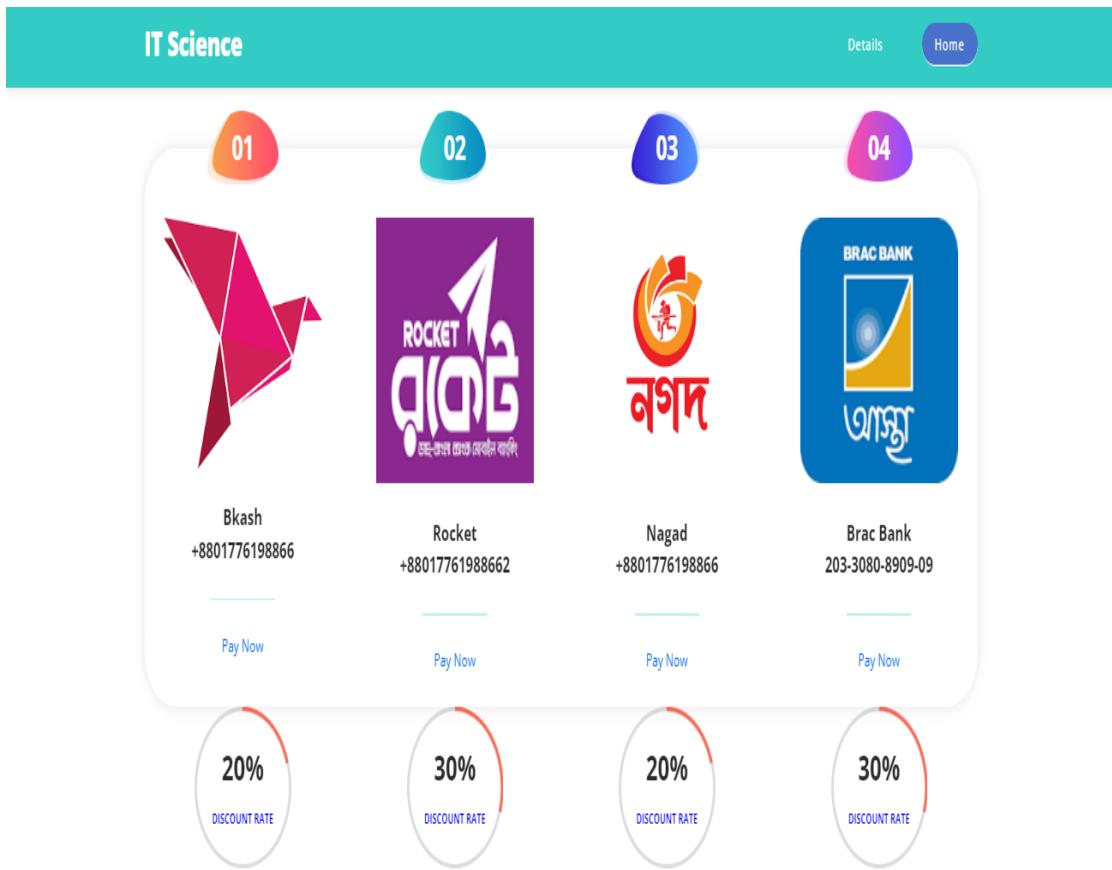


Figure 5.18: Payment Page

On the payment page, users can pay us through affiliated mobile banking partners (Bkash, Rocket, Nagad, and Brac Bank). Moreover, they can also use a mobile banking partner's payment gateway and get a special discount.

## 5.10.10 Support Team Services Page

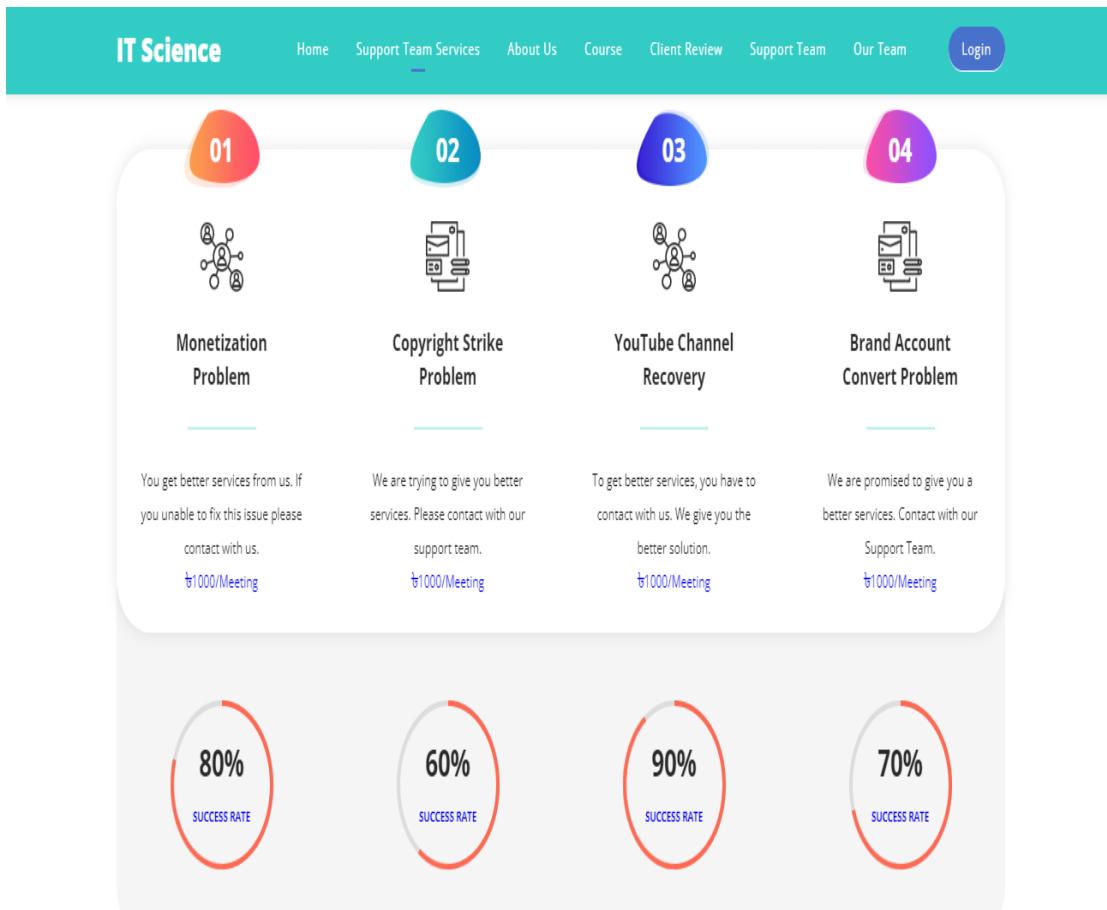


Figure 5.19: Support Team Services Page

In this interface, users can see our support team activities and services and their prices. Moreover, they can also see our success rate for each category of service. They enjoy this service by contacting our support team through the support team option.

## 5.10.11 Support Team Page

The screenshot shows the 'Support Team' page of the IT Science website. At the top, there's a navigation bar with links for Home, Tech Video, Buy Product, Course, Client Review, Support Team, and About Us. A search bar is also present. The main content area has a dark green background and features three contact icons (phone, location, email) with their respective details. Below these are four input fields for a message: First Name (Sahin), Last Name (Alam), Email (sahinalam@gmail.com), and a large Message area containing the text 'I need help for YouTube Channel SEO'. A blue 'Submit' button is located at the bottom right of the message area.

IT Science    Home    Tech Video    Buy Product    Course    Client Review    Support Team    About Us    Type Here    Search

### Support Team

Phone: +8801776198866  
Fax: (412) 123-8290

Begum Rokeya soroni  
Shawpara  
Dhaka 1207

support@itscience.com

FIRST NAME  
Sahin

LAST NAME  
Alam

EMAIL  
sahinalam@gmail.com

MESSAGE  
I need help for YouTube Channel SEO

Submit

Figure 5.20: Support Team Page

On the support team services page, users can contact our support team members for any types of technical problems. They are skilled to solve YouTube channel recovery, brand account conversion problems, copyright claim issues, copyright strike issues, etc. Moreover, to get an online certificate, income tax help, or payment confirmation, write a review by using this page. Support team members are given 24-hour support for the client.

### 5.10.12 Course Enrollment Page

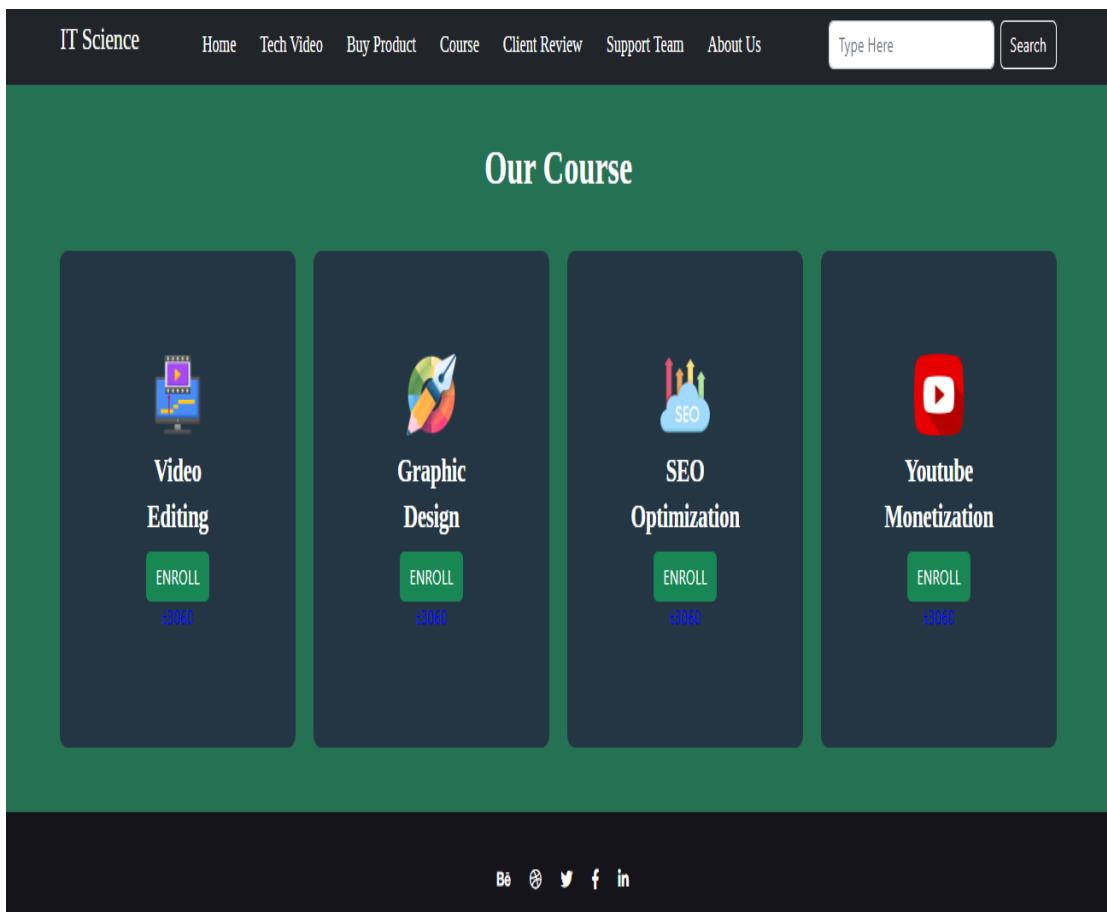
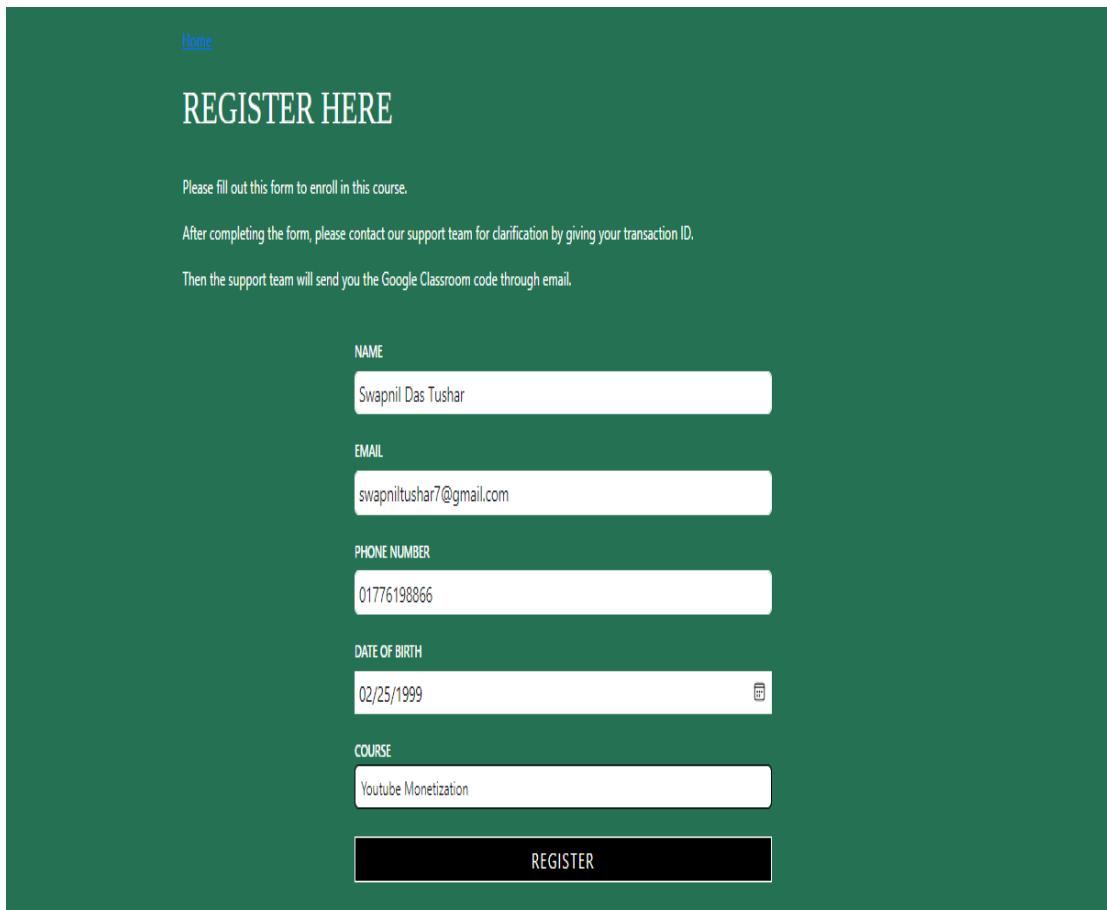


Figure 5.21: Course Enrollment Page

On the course enrollment page, users can see our special courses in video editing, graphic design, SEO optimisation, and YouTube monetization. By giving us 3060 BDT for each course and clicking the enrol button, the user can complete his registration and enjoy a wonderful educational journey with us.

### 5.10.13 Course Registration Page



The screenshot shows a course registration form. At the top left is a 'Home' link. Below it is a large button labeled 'REGISTER HERE'. A note below the button says 'Please fill out this form to enroll in this course.' Another note below that says 'After completing the form, please contact our support team for clarification by giving your transaction ID.' A third note below that says 'Then the support team will send you the Google Classroom code through email.' The form itself has five input fields: 'NAME' containing 'Swapnil Das Tushar', 'EMAIL' containing 'swapniltushar7@gmail.com', 'PHONE NUMBER' containing '01776198866', 'DATE OF BIRTH' containing '02/25/1999' with a calendar icon, and 'COURSE' containing 'Youtube Monetization'. At the bottom is a large 'REGISTER' button.

Figure 5.22: Course Registration Page

In this interface, the user can complete his registration by providing some details (name, email, phone number, date of birth, course name). After completing these details, the user has to contact the support team and give the transaction ID to the support team to confirm his or her registration. Within a minute, a support team member gives the user the confirmation and Google Classroom code, where the user gets all the up-to-date details about the course and the online class link.

### 5.10.14 Income Tax Help Page

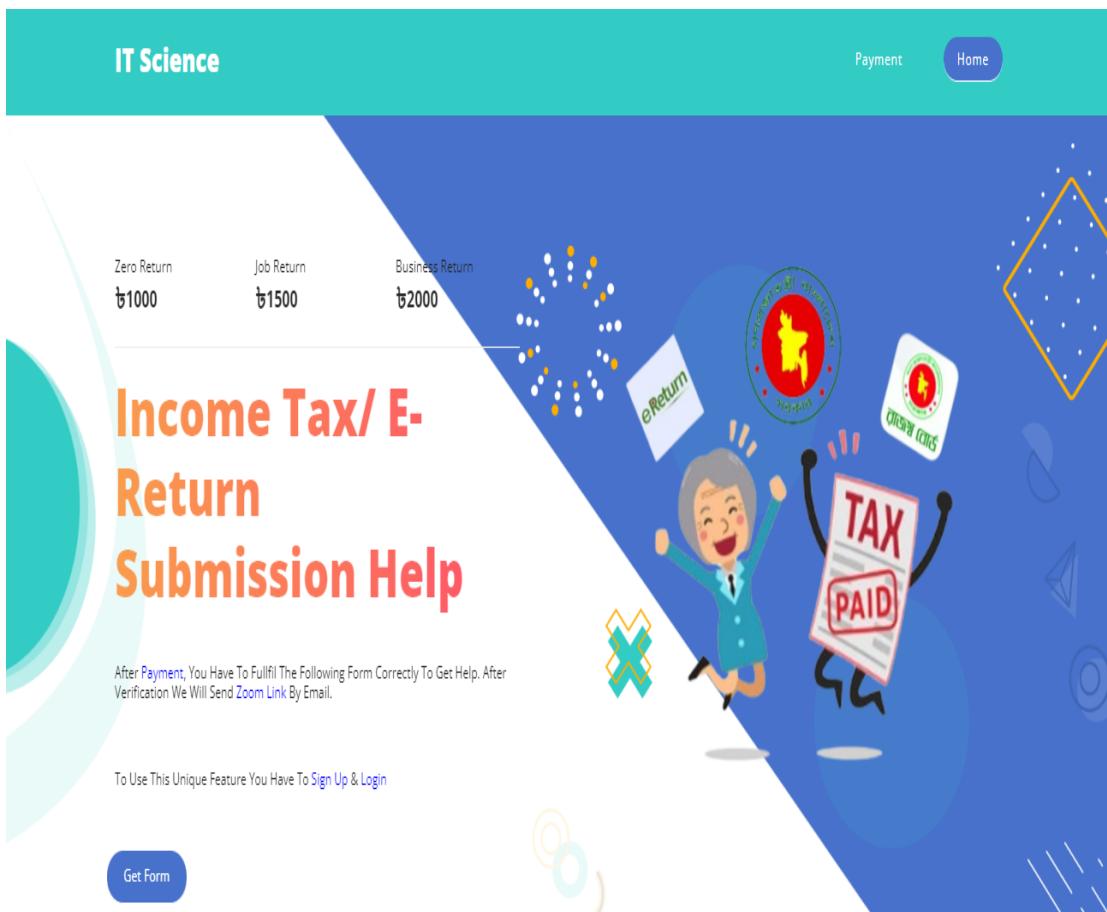


Figure 5.23: Income Tax Help Page

In this interface, the user can get help with his online income tax submission (zero tax, job tax, or business tax) and also see the service price details. In this interface, the user has to click the Get Form button. After clicking, the user gets a Google Form, and he or she has to complete some information (name, father's name, mother's name, email, organisation, present address, transaction ID, e-return submission type). Then, within a few minutes, a support team member will give the user confirmation and a Zoom link for discussion. And finally, the support team submits the e-return and gives the acknowledgement certificate of tax within 2 hours.

## 5.10.15 Tech Video Page

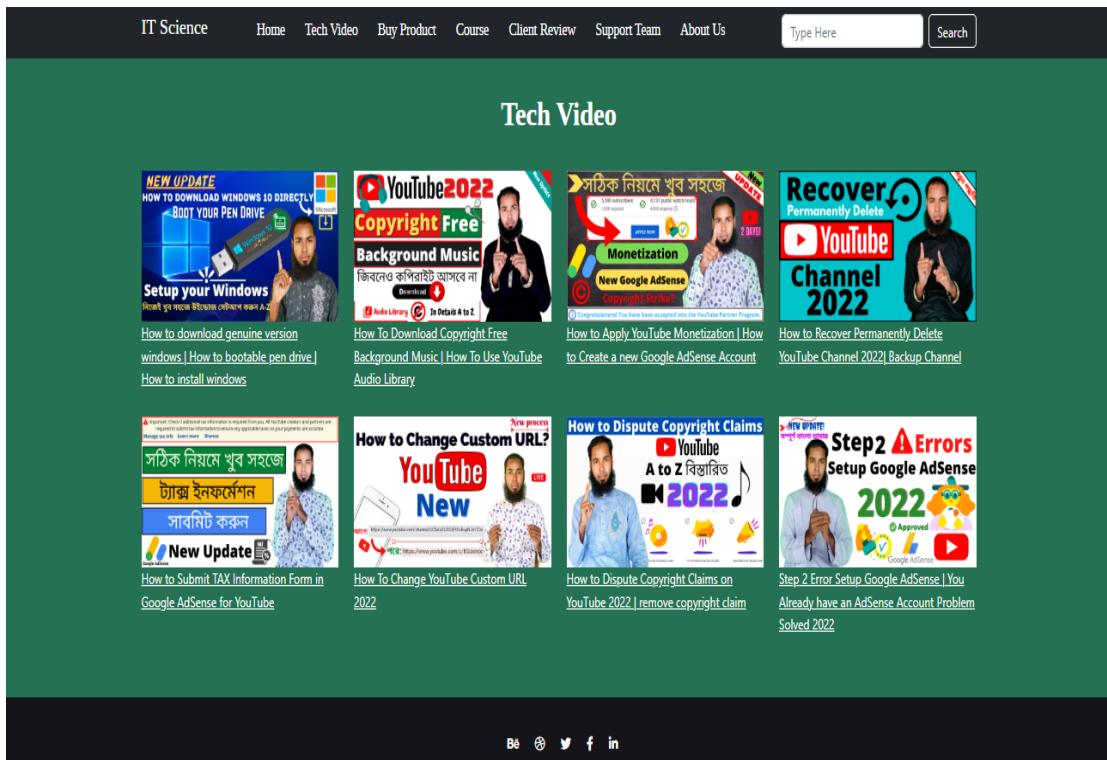


Figure 5.24: Tech Video Page

On the tech video page, users can enjoy our tech videos without any cost. Most people can't find authentic videos on tech problem-solving. On the next side, we are making an authentic tech video and uploading it to our website. By clicking each video on our website, it connects to our YouTube channel. In this way, users will benefit from watching our videos.

### 5.10.16 Certificate Claim Page

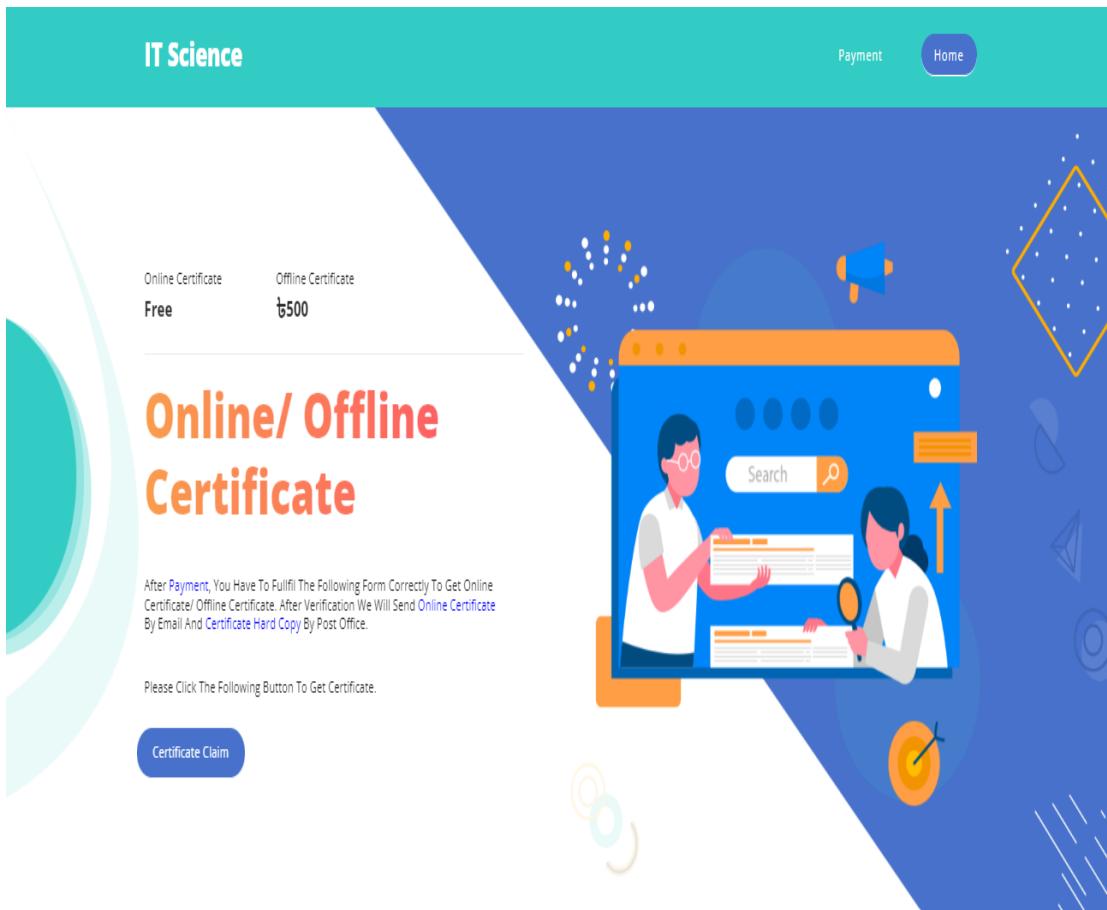


Figure 5.25: Certificate Claim Page

Here, users can claim two types of course certificates, respectively, online and offline. We provide online certificates free of charge, but we charge BDT 500 for offline certificates. In this interface, the user has to click the Get Form button. After clicking, the user gets a Google Form, and he or she has to complete some information (name, email, date of birth, course name, certificate type, transcription ID, present address). Then the support team will verify the details. If the user needs an offline certificate, then he or she gets the certificate through email without any cost within a few moments. On the other hand, if the user needs an offline certificate, he or she gets it by post office within 3 days. [10]

## 5.10.17 Buy Product Page

The screenshot shows a website header with navigation links: IT Science, Home, Tech Video, Buy Product, Course, Client Review, Support Team, About Us, a search bar, and a 'Type Here' placeholder. Below the header is a section titled 'Popular Products' featuring eight tech items arranged in two rows of four. Each item includes an image, the product name, and its price.

Product Image	Product Name	Original Price	Sale Price
	A4 Tech ComfortFit Stereo Headset HS-19	฿1,000.00	฿1,350.00
	A4TECH Bloody J305 2-Fire RGB Animation Gaming Mouse	฿2,350.00	15% OFF
	MAONO AU-A04 USB Microphone Combo Setup	฿6,000.00	฿4,500.00
	Godox Softbox With Aluminum Alloy Reflector And Sticks	฿2,400.00	NEW
	Tripod For DSLR, Camcorder, Smartphone-DIGIPOD TR-688V	฿1,000.00	฿3,000.00
	Audio Interface MAONOCASTER Lite AU-AM200 Portable	฿6,200.00	15% OFF
	Soundproof Acoustic Foam For Wall, Studio	฿7,300.00	฿1,600.00
	Xiaomi WiFi Repeater Pro (Dual Antenna, 300M)	฿1,250.00	NEW

At the bottom of the page, there is a dark footer bar with social media icons (B6, G+, Twitter, Facebook, LinkedIn) and the text "© Copyright by IT-Science All right Reserved 2023."

Figure 5.26: Buy Product Page

On this page, users can buy tech products. Most users can't find authentic tech products. But on our website, we provide authentic tech products through affiliated business strategies. By clicking on any product, it links to our affiliated partner's website, and they can buy the product easily.

## 5.11 Admin Login and Dashboard

### 5.11.1 Admin Secrate Login Page

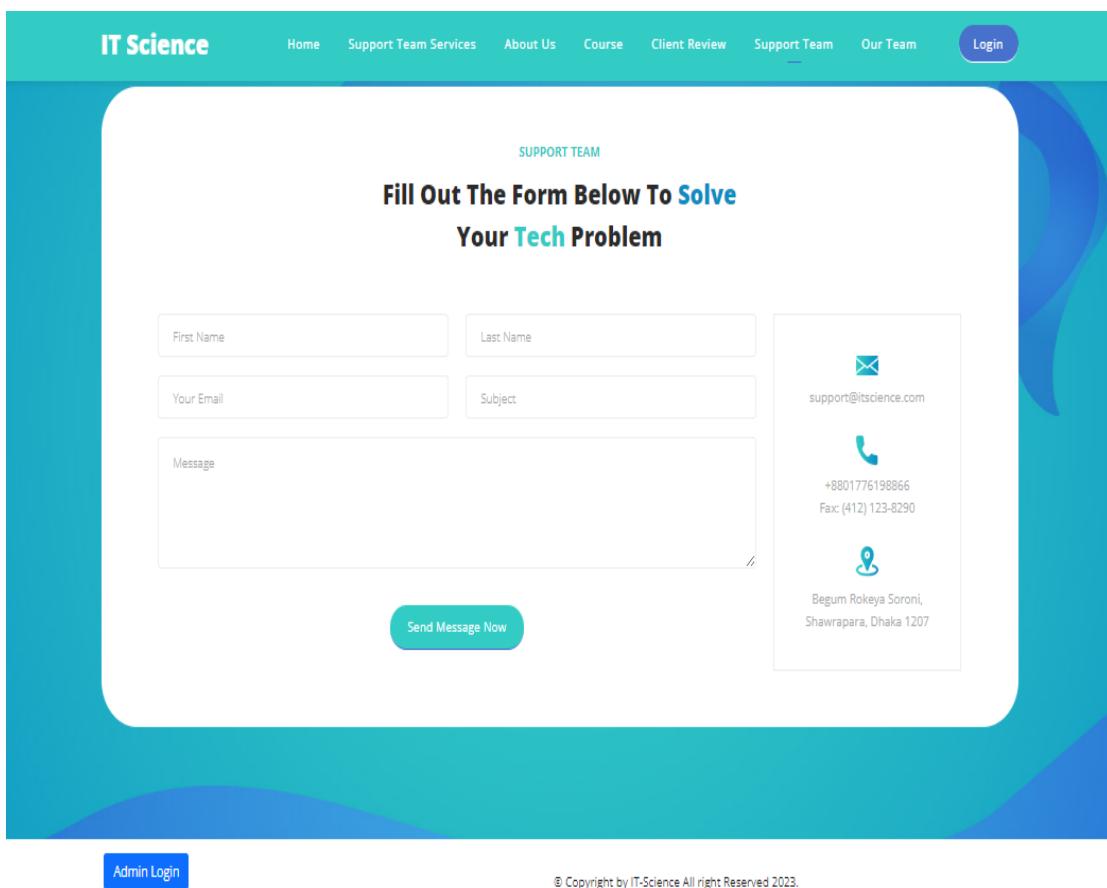
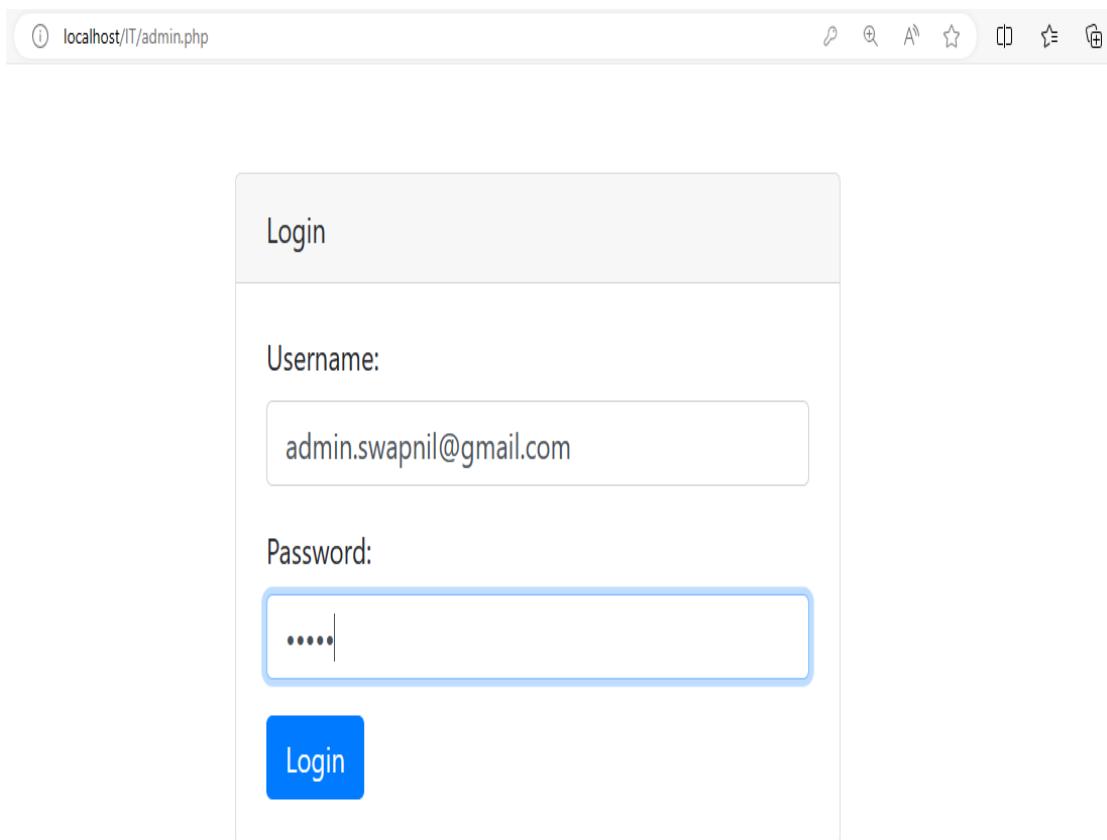


Figure 5.27: Admin Secrate Login Page

On this interface, only admins can login. We hide this admin login button because we want to prevent attacks and secure our data. Most of the attackers try to hack websites by using the login system. That's why we created a separate login option for admin, and there is no registration for admin publicly. Admins get the email and password from the super admin manually for login. If we set up admin registration and login publicly, then our website will be in danger from attackers. Thats why we attach the login button for admins hiddenly on the below side of the support team primary home page.

### 5.11.2 Admin Login Page



The screenshot shows a web browser window with the URL 'localhost/IT/admin.php' in the address bar. The page itself is titled 'Login'. It contains two input fields: one for 'Username' containing 'admin.swapnil@gmail.com' and one for 'Password' containing '\*\*\*\*\*'. A blue 'Login' button is at the bottom.

Text
Username:
admin.swapnil@gmail.com
Password:
*****
Login

Figure 5.28: Admin Login Page

Here, only admins can login. After logging in successfully, the user can view insights and course enrollment details. Moreover, admins can see the message for the support team.

### 5.11.3 Admin Dashboard (See the Insight) Page

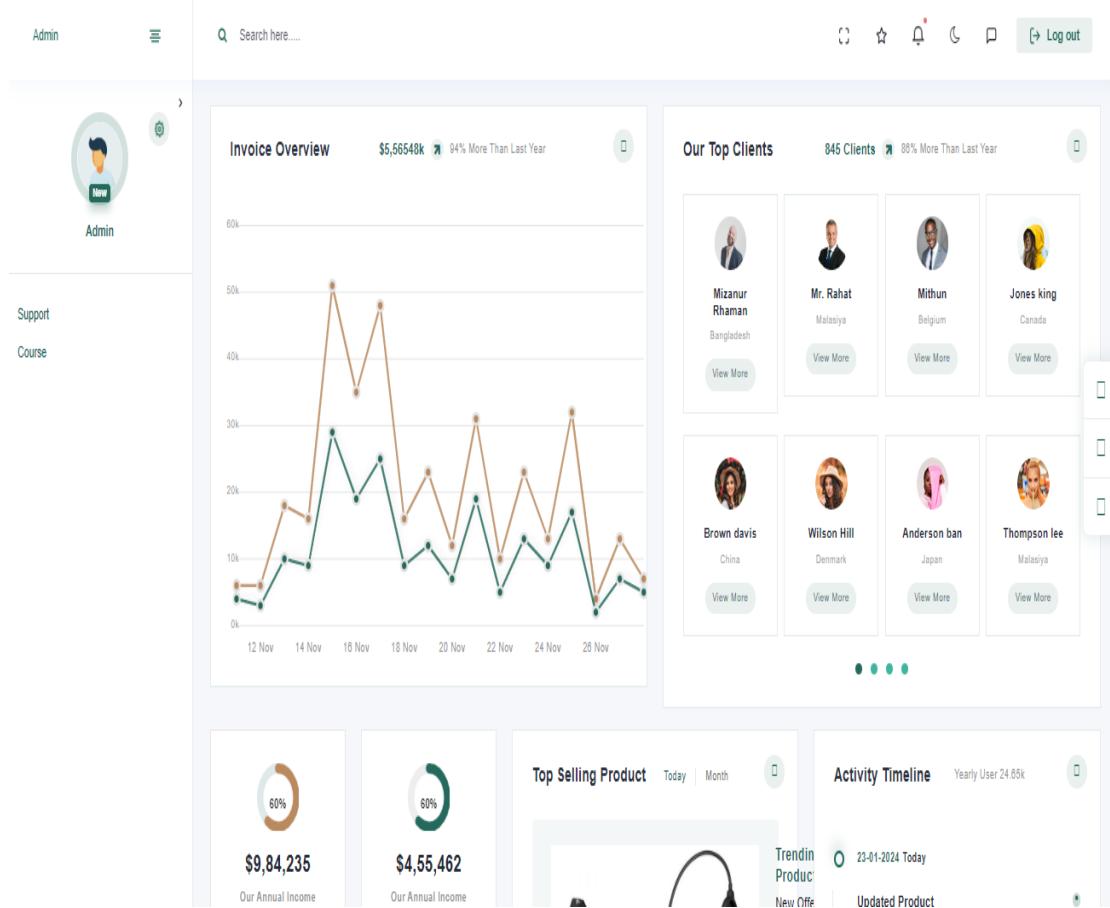


Figure 5.29: Admin Dashboard (See the Insight) Page

On this page, admins can see insights, top clients, top-selling products, and annual income through this interface. The administrator may examine the income summary in insights, the yearly growth of the business, and the invoice overview, and the user can view the top-selling items in top-selling products. Through all of this, the admin can easily get an overall summary of the business. With the overview, the admin can take further decisions and apply innovative business strategies to enrich their business.

#### 5.11.4 Admin Dashboard (See the Message for Support Team) Page

The screenshot shows the Admin Dashboard interface. On the left, there's a sidebar with 'Admin' and 'Support Course' sections. The main area has a search bar at the top right. Below it is a 'Support List' table with columns: #, First Name, Last Name, Email, Subject, and Message. The table contains six rows of data.

#	First Name	Last Name	Email	Subject	Message
1	Sahin	Alam	sahinalam880@gmail.com	I need windows 10 active please help me	
2	Swapnil	Tushar	swapniltusar7@gmail.com	Dear, Team I need support for SEO	
3	Ms.	Puja	puja34@gmail.com	My Youtube Channel Adsense Problem	
4	Mr. Jonson	Patel	jonsonpatel23@gmail.com	Please help me my YT SEO	
5	Mr	Nizam	nizam13@gmail.com	I need your help for AdSense Desible	
6	Alip Ekram	Prince	alipince1999@gmail.com	I need help with monetization	

Figure 5.30: Admin Dashboard (See the Message for Support Team) Page

Here, admins can see the messages for the support team. In the support team, admins can see the first name, last name, email, and subject. In addition, there is a logout option, a notification option, a search option, and an admin profile view option. There is also a menu option. By using this, admins can manage all of these things in this section.

### 5.11.5 Admin Dashboard (See the Course Enrollment Details) Page

The screenshot shows the Admin Dashboard interface. At the top, there is a header bar with a search input field containing "Search here....", several small icons (including a magnifying glass, a star, a bell with a red dot, a gear, and a user profile), and a "Logout" button. On the left side, there is a sidebar with a user profile icon labeled "Admin" and three menu items: "Admin", "Support", and "Course". The main content area is titled "Course Enrolled" and contains a table with the following data:

#	Name	Phone	Date of Birth	Course	Email
1	Swapnil Das Tushar	01776198866	1999-02-25	Youtube Monetization	swapniltushar7@gmail.com
2	Sahin Alam	01791337482	1997-11-21	SEO Optimization	sahinalam@gmail.com
3	Md. Alip Ekram Prince	01791337482	1999-01-11	Video Editing	alipprince1999@gmail.com

Figure 5.31: Admin Dashboard (See the Course Enrollment Details) Page

Admins have access to user enrollment data for courses on this page. The name, phone number, birthdate, course name, and email are visible to the course admin. Moreover, there are options for searching, notifications, admin profile viewing, and logout. A menu item also happens to be present. Admins can use this to handle every single item in this area. Also, the administrator has complete control over the course enrollment area.

## 5.11.6 Database Snapshot

The screenshot shows the phpMyAdmin interface for the 'registrationdb' database. The left sidebar lists databases and tables. The main area shows the 'tbluser' table with 3 rows. The table structure includes columns: ID, Firstname, Lastname, Gender, Email, and Password. The data is as follows:

ID	Firstname	Lastname	Gender	Email	Password
1	Swapnil	Das Tushar	Male	swapriltushar7@gmail.com	098f6bcd4621d373cade4e832627b4f6
2	Sahin	Alam	Male	sahinalam@gmail.com	098f6bcd4621d373cade4e832627b4f6
3	Alip	Ekram Prince	Male	alipekram@gmail.com	098f6bcd4621d373cade4e832627b4f6
4	Md. Naimul	Pathan	Male	naimulpathan@gmail.com	098f6bcd4621d373cade4e832627b4f6

Figure 5.32: Database Snapshot

Here, we see our database. There is an admin table, course enrolled, login, support team, and `tbluser`. Users and admin's personal information is stored here. Additionally, we utilize MD5 to guarantee the confidentiality of the client's information.

# **Chapter 6**

## **Conclusion**

### **6.1 Overview**

In this chapter, we address the limitations encountered during our project, acknowledging constraints that impacted our findings. We also outline potential avenues for future research, highlighting areas where further investigation could enhance understanding or extend our work. Finally, we offer a comprehensive conclusion summarizing key insights gained, implications for the field, and suggestions for application or further study.

### **6.2 Limitation of the Project**

In the case of IT Science Tech website design, there are some constraints due to the fact that numerous bugs must be resolved at the outset of each site's development. Over time, the site gradually gains the ability to surmount these constraints. Our website is subject to the following restrictions:

- There is no password recovery option.
- The search option does not work.
- Accepts invalid emails.

- Multiple products can't be selected on this website.
- The live chat bot option is not included.
- The automatic payment gateway option is not available.
- The client review option is the manual way.
- Online certificates use Google Forms. Moreover, there is no auto-generated online certificate option.

### **6.3 Future Work**

We want to add more features to our project in the future. We plan to introduce the capability for users to select multiple products for purchase simultaneously, enhancing the convenience of the buying process. Additionally, we are working on implementing a product delivery management system to streamline and optimise the delivery process. To provide users with more value, we aim to introduce an auto-discount system, ensuring that customers can enjoy automatic discounts based on their purchases. Our ongoing efforts also include enriching our database to enhance the overall platform experience. In terms of payment options, we are developing our own payment gateway system to offer users a seamless and secure transaction process.

Furthermore, we are working on implementing an automatic online certificate generation feature to expedite and simplify the certificate-claiming process. To further cater to user needs, we plan to introduce an online tech consultant appointment system, allowing users to schedule consultations with experts in various tech domains. In a bid to create a comprehensive freelancing environment, we aspire to incorporate features reminiscent of platforms like Fiverr, Upwork, and Guru. This will enable users to create profiles, both as freelancers and buyers, fostering an ecosystem where freelancers can earn income while buyers benefit from quality and cost-effective tech solutions. Furthermore, we will add a new feature to our website according to customer requirements.

## **6.4 Conclusion**

Our project has undergone a comprehensive and thorough process of design and development, meticulously ensuring precision and quality through rigorous testing procedures. Our primary objective is to consistently stay abreast of advancing technologies, positioning ourselves at the forefront of innovation. In the event that users encounter any technical issues while navigating our website, we actively encourage them to promptly reach out to us through the provided email and phone number, where our dedicated support team stands ready to provide assistance. The project's infrastructure has consistently adhered to and aligned with our overarching fulfilment objectives. This steadfast commitment ensures that the IT Science Tech website not only holds significant value but is also designed with user-friendliness in mind. Its versatility extends beyond borders, rendering it a universally applicable and usable solution across diverse countries. This comprehensive approach reflects our dedication to delivering a cutting-edge and accessible technological platform for users worldwide.

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