

Internship Report

SWE 420

Submitted By:

Imrul Kayes Sifat
2017831052

Performed at:

Vivasoft Limited



Institute of Information and Communication Technology - IICT, SUST

Date of Submission: Jul 16, 2022

Letter of Transmittal

Date : July 16, 2020

Prof M. Jahirul Islam, PhD., PEng.

Director,

Institute of Information and Communication Technology

Shahjalal University of Science and Technology

Subject: **Letter of Transmittal**

Dear Sir,

I'm happy to provide the internship report as requested. As a part of our SWE 420 course, I began working as an intern at "Vivasoft Limited" on 4/1 semester.

My professional experience is included in this report. It gives me great pleasure to provide you with this report, which is based on my observations and experiences during the time I spent interning between September 1, 2021, and February 28, 2022.

At Vivasoft Limited, I was supervised by Atawur Rahman, a Senior Software Engineer, and Md. Safwan Alamgir, an Associate Software Engineer, during this time.

This report should live up to your expectations and be highly fascinating.

To prepare a thorough report, I've attempted to put out my best effort.

Please accept my report. I would be very thankful. Thank you for your consideration.

Sincerely yours,

Imrul Kayes Sifat

Reg Number : 2017831052

SWE, 4th Year, 1st Semester

Institute of Information and Communication Technology

Shahjalal University of Science and Technology

Letter of Endorsement

Whoever This May Concern

Subject: Approval of the Report

This letter serves as confirmation that all the data in this document is accurate and not otherwise proprietary to the company. The projects mentioned here have had successful involvement of Imrul Kayes Sifat , Institute of Information and Communication Technology, Shahjalal University of Science and Technology.

I wish him the best of luck and hope that he has a successful career.

Internship Supervisors,

Shafiqul Hasan

Shafiqul Hasan Md Tareq
Managing Director
Vivasoft Limited

atawur

safwan

Chief Technology Officer
Vivasoft LTD

Senior Software Engineer
Vivasoft LTD

Associate Software Engineer
Vivasoft LTD

Acknowledgment

First and foremost, I would like to express my gratitude to my Institute, the Institute of Information and Communication Technology at SUST, for organizing the internship program for me. I'd also like to thank Vivasoft Limited for hiring me as an intern.

I'd like to thank Prof M. Jahirul Islam, Director, Institute of Information and Communication Technology, Shahjalal University of Science and Technology, for organizing the internship program and providing me with this opportunity.

I'd also like to thank Fazle Mohammed Tausif, Lecturer at SWE-SUST, for his contribution and hard work in getting us accepted into various companies.

I am eternally grateful to and indebted to Shafiu Hasan, CTO of Vivasoft Limited, for being a source of inspiration and constant support throughout the internship.

I'd like to take this opportunity to express my heartfelt appreciation and respect to my Team Leader, Atawur Rahman, Senior Software Engineer, and MD. Safwan Alamgir, Associate Software Engineer, for their exceptional guidance, monitoring, and constant encouragement throughout this internship. Their blessings, assistance, and guidance will carry me a long way in the life journey on which I am about to embark.

I am grateful to all of my Team members for the valuable information they have provided in their respective fields. I am grateful for their cooperation throughout my internship.

I'm grateful to them for their constant constructive criticism and invaluable suggestions and assistance, which helped me a lot during my internship.

I'm grateful to those who aren't named for their constant constructive criticism and invaluable suggestions and assistance, which helped me a lot during my internship.

Executive Summary

The internship report highlights the author's major works in academic and non-academic perspectives. The purpose of this document is to identify and describe the analysis performed, projects completed, experience gained, and accomplishments as an intern.

The author was assigned to Vivasoft Limited to finish his internship.

The author was fortunate to be able to work in such an environment provided by Vivasoft, where he was introduced to some new terms, technologies, and languages.

The most amazing experience, however, was working in a multicultural workplace.

The projects on which the author worked undoubtedly aided him in broadening his practical knowledge. The research and development projects were especially beneficial in broadening his perspectives on various web application development frameworks and mobile application frameworks.

Aside from the coding, there were a few other challenges. Some of them were technical, while others were not. Nearing the end of his internship, the author discovered that some of his communication and management skills had greatly improved. Furthermore, he learned some important lessons that will help him in his future jobs.

The author is more confident, skilled, and professional as a result of his internship.

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5.1 Conclusion

Reference

Chapter 1: Introduction

1.1 Introduction

On-the-job training is a procedure that takes place during an internship, and it is especially advantageous for students who are majoring in technical courses.

The Institute of Information and Communication Technology (IICT) offers its students the wonderful opportunity to complete an internship as part of their bachelor's degree program.

In academic research, IICT consistently emphasizes industry orientation. People from the industry are called to IICT for this reason to discuss their businesses and experiences; frequently, some technical courses are exclusively taught by them. The most efficient method of gaining industrial orientation is the six-month internship program, which is another option.

Students can connect their academic learning with real-world business operations with the aid of internships. I've done my best to incorporate both. The subsequent semesters of my degree will demonstrate whether I am successful or not, therefore I hope I am.

I was sent to work for Vivasoft Limited as an intern. One of the top software firms in Bangladesh is this one.

1.2 Objective

As part of the internship program offered by the Institute of Information and Communication Technology (IICT), SUST, this report has been developed.

The report aims to highlight my accomplishments, project involvements, professional development, and work experiences throughout the internship.

1.3 Scope

This report provides information about the challenges I encountered while working at Vivasoft Limited. For students who are interested in Vivasoft Limited for their professional development, it also includes a quick summary of the company. The IICT students who will continue their internship program at Vivasoft Limited in the future will also receive a quick overview of the

company through this report. Additionally, it will cover the majority of the key technologies employed in Bangladesh for software development. As a result, it will aid new students in avoiding perplexity regarding current technologies in Bangladesh.

1.4 Source of Data Collection

In order to compile the study, the data was gathered from two different types of sources: primary sources and secondary sources.

1.4.1 Primary sources

The following methods have been used to get the Primary data:

1. Direct interaction with various corporate staff
2. What I noticed while I was an intern

1.4.2 Secondary sources

1. Vivasoft Official website
2. Vivasoft Facebook & Linkedin page

1.5 Limitations

This report has some restrictions. The entirety cannot be distributed outside of the office. The information provided in this report may not be accurate as I just discuss what I learned from this company and what feedback I received from my team and coworkers.

Chapter 2: Company Profile

2.1 About Vivasoft Limited

Vivasoft deploy World-Class Agile Product Teams on Demand. Teams that can design, build, space and scale your vision in the most efficient way.

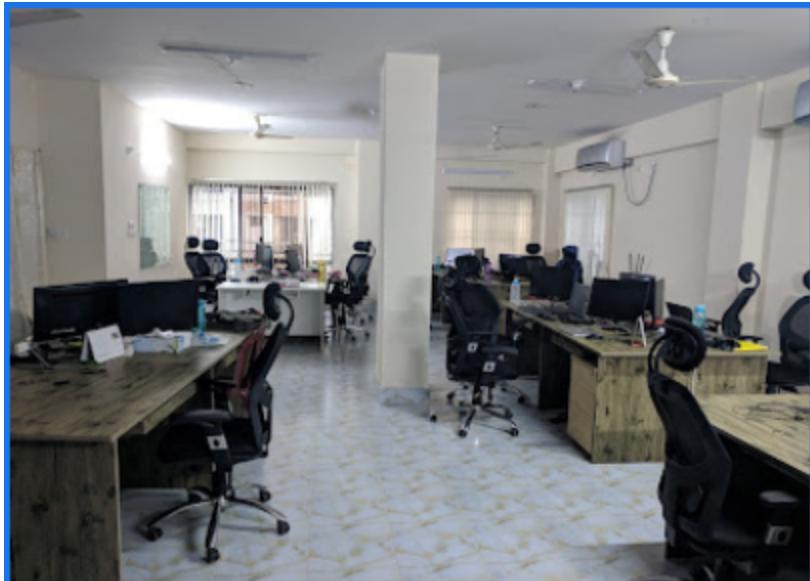
Why Vivasoft

Vivasoft is more than a generic agency. It has :

1. Dedicated dev team.
2. Software development team.
3. Mobile App development team.
4. ML/AI team.
5. Provide MVP As a Service

Vivasoft adopts a schedule for office hours in order to keep everyone on the same page. The day usually starts around 10:00 a.m. Lunch is usually taken between 1:00 and 2:00 p.m., with deviations based on workload. The day comes to an end at 7:00 p.m.

Vivasoft has recently shifted to its new location at Floor #16, Ahmed Tower, 28, 30, Kemal Ataturk Ave, Banani, Dhaka 1213.



2.2 Vision and Mission

Our Vision

Our mission is to be the industry's premier service provider company focused to deliver the maximum to our clients. We believe in the simple, not the complex. We are also giving equal importance to innovations. We believe in saying no to thousands of projects, so that we can really focus on the few that are truly important and meaningful to us.

Our Mission

1. To be a strong player in the Software Solutions space offering a great value proposition to international clients.
2. To be State of the Art in our technical Process.
3. To implement the best Integrity, Capability & Maturity models.

2.4 Products of Vivasoft



PI-HR Solution

People management solution



PI-TMS

Transport Management System



Fleet Management Solution

Vehicle management features



MFS

Mobile Financing System



Selfcare Solution

Mobile Apps, VAS & Cloud Service etc.



M-Market

e-Commerce Platform



PI-Ticketing

Online ticket platform



Viva Pension

User Management, Employer, Notice etc.

2.4.1 PI-HR Solution

Explore our beautifully simple (yet thoughtfully powerful) tools that automate operational HR tasks so you can get to the strategic activities and outcomes—like engagement, retention, and job satisfaction—that make a big impact

PI-HR is the people management solution that helps in time of tracking, attendance, leave, salary management.

2.4.2 PI-TMS

Pi-TMS (Transport Management System) offers cost-effective web and mobile application based transport management software.

Upgrade from paper bookkeeping and spreadsheet-based transport management to automated software in the cloud. Achieve preventive maintenance schedule automation, simpler fuel expense tracking, flexible reporting to improve your fleet management operations and decision making.

2.4.3 Fleet Management Solution

Fleet (vehicle) management can include a range of functions, such as vehicle financing, vehicle maintenance, vehicle telematics (tracking and diagnostics), driver management, speed management, fuel management and health and safety management. We have integrated this solution in Gargaar Freighters Limited.

FEATURES :

- Vehicle management.
- Driver management.
- Vendor Management.
- Mobile app with GPS Tracking.
- Invoice management.
- and many more.....

2.4.4 MFS

Running in Somalia, MFS is a full fledged mobile wallet. Enabling the mass to do all sorts of financial operations possible using a platform like this, as a result, improving millions of lives

FEATURES :

- Cash In.
- Cash Out.
- Payment.
- Send Money.
- Interest.
- Buy Airtime.

2.4.5 Selfcare Solution

Telesom is a private telecommunication company which was established in the year 2002 by local entrepreneurs in Hargeisa Somaliland. We have integrated the Self Care product in the Telesom company. We have integrated this solution in Telecom Selfcare.

FEATURES :

- Mobile Apps
- VAS Services
- Cloud Service
- Internet Packages Management
- Vehicle Tracking System and many more....

2.4.6 M-Market

M-market is a website where you can buy and sell almost everything. The best deals are often done with people who live in your own city or on your own street, so on M-market it's easy to buy and sell locally. All you have to do is select your region.

FEATURES :

- You can buy and sell almost everything.
- The best deals are often done with people who live in your own city or on your own street, so on M-market it's easy to buy and sell locally.
- It takes you less than 2 minutes to post an ad on Mmarket.com.
- You can sign up for a free account and post ads easily every time.
- Mmarket.com does not specialize in any specific category.
- We also carefully review all ads that are being published, to make sure the quality is up to our standards.

2.4.7 PI-Ticketing

PI Ticketing is an online ticket platform. You can purchase your ticket through this platform. There are several types of ticketing systems implemented in this platform. You can purchase your tickets through this platform.

FEATURES :

- Choose your origin, destination, journey dates and search for buses.
- Select your desired trip and choose your seats.

- Pay the tickets via Debit/Credit cards.
- Safe and Secure online payments.
- Cash on delivery.
- Dependable customer service.

2.4.8 Viva Pension

Viva Pension is a product designed to cater the needs of employers and employees at the national level. As its name suggests it is a product to handle the pension of a country.

FEATURES :

- User Management
- Employer
- Notice
- Member Management
- Contribution
- Investment
- Expense
- Profit Distribution
- Chart of Account
- Sales & Purchase
- Withdrawal
- Reports and many more....

2.5 Software Development Process

A model of agile development is used by Vivasoft. Using little information and SRE, developers begin developing. Bugs are repaired after testing so that the product can be used. The steps of the development process are roughly as follows:

2.5.1 Analysis

Detailed analysis of the software is performed to identify overall requirements of the client. This step is necessary to make adjustments and to ensure that software functions properly at the end.

2.5.2 Design

Once the analysis is complete, the step of designing takes over, which is basically building the architecture of the project. This step helps remove possible flaws by setting a standard and attempting to stick to it.

2.5.3 Development

The development stage is the part where developers actually write the code and build the application according to previous design documents and detailed specifications.

2.5.4 Testing

The testing stage assesses the software for errors and documents bugs if there are any.

2.5.5 Implementation

This stage is crucial for running the developed software assessed by all the stakeholders. This is to ensure the complete level of customer satisfaction.

2.5.6 Maintenance

Once the software passes through all the stages without any issues, a maintenance process is followed wherein it will be maintained and upgraded from time to time to adapt to changes.

2.6 Technology

Vivasoft utilizes a wide range of technology and tools.

The following are a few of those:

2.6.1 Languages

- C#
- Python
- Django
- TypeScript
- Javascript
- NodeJs
- HTML
- CSS
- Tailor
- PHP

- Go
- ASP.NET Core
- ASP.NET Entity Framework
- Angular
- React
- Flutter
- Laravel
- Next Js

2.6.2 Database

- MongoDB
- MSSQL Server
- Postgres

2.6.3 Servers

- Nginx
- IIS

2.6.4 Cloud

- Amazon AWS
- S3 Bucket

2.6.5 Microservice

- Docker
- Jenkins

2.7 Employee Facilities

Vivasoft offers its staff a number of amenities. At the conclusion of each year, it organizes an international and domestic tour. The workers' thoughts are calmed by this. Some facilities are demonstrated below :

- Food Allowance
- Snacks & Drinks
- Competitive Salary

- Flexible remote policy
- Referral Bonus
- Outings & Events
- Team events
- Fitness Fund
- Flexible work location
- Training
- Continuing learning
- Unlimited vacation

2.7.1 Working Environment

Vivasoft LTD work environment promotes a work-life balance by focusing on the major aspects of a positive work environment that promote employee engagement and organizational identity. These strategies include organizational culture, retention strategies, career development, leadership style, and employee engagement.

2.7.2 Domestic Environment

Vivasoft is like a large family. The entire existing workforce is a part of the Vivasoft family. Our work is enjoyable. The company is seen as their responsibility by the workforce.

2.7.3 Entertainment Zone

The new Vivasoft workplace has a designated area where employees may relax by playing different games. Playing Ludo and table tennis might help workers unwind. Additionally, there is a small gym available for employee use when they want to exercise.

2.7.4 Recreation

There are many possibilities for staff amusement provided by Vivasoft LTD. It covers events like team gatherings, picnics, company outings, and release parties. Employees are taken on annual trips outside of the country. Also planned annually are domestic trips. These journeys are open to family members.

2.8 Human Resources

Vivasoft now has about 110 employees, with ambitions to add more in the future. Since its inception, Vivasoft has grown in terms of resources and output every year. Software engineers and programmers who are passionate about their profession are sought for by Vivasoft LTD. Vivasoft often conducts training and review sessions to be on top. The culture of sharing, learning, and constructive criticism at Vivasoft broadens its horizons while keeping it grounded. The exact names are as follows:

- Developers
- Software Quality Assurance Engineers
- Software Testers
- Devops
- Network Engineer
- UI Developers

Chapter 3: My Project Involvement

3.1 Activities

I was allocated to the php team(design section) and Front-end team, per the choice made during the viva board. My mentor gave me a list to follow and prepare me for real-world assignments, as well as specific instructions for honing my talents, so from the start.

3.2 Learning Period

I was told to educate myself on the following topics:

HTML :

At its heart, HTML is a language made up of elements, which can be applied to pieces of text to give them different meanings in a document (Is it a paragraph? Is it a bulleted list? Is it part of a table?), structure a document into logical sections (Does it have a header? Three columns of content? A navigation menu?), and embed content such as images and videos into a page. This module will introduce the first two of these and introduce fundamental concepts and syntax you need to know to understand HTML.

CSS :

Cascading Style Sheets (CSS) is a stylesheet language used to describe the presentation of a document written in HTML or XML (including XML dialects such as SVG, MathML or XHTML). CSS describes how elements should be rendered on screen, on paper, in speech, or on other media.

Tabler :

Tabler is a UI kit that speeds up the development process and makes it easier than ever! Built on the latest version of Bootstrap, it helps you create templates based on fully customizable and ready-to-use UI components, which can be used by both simple websites and sophisticated systems. With basic knowledge of HTML and CSS, you'll be able to create dashboards that are fully functional and beautifully designed!

JavaScript with ECMAScript :

JavaScript (JS) is a scripting language, primarily used on the Web. It is used to enhance HTML pages and is commonly found embedded in HTML code. JavaScript is an interpreted language. Thus, it doesn't need to be compiled. JavaScript renders web pages in an interactive and dynamic fashion. This allows the pages to react to events, exhibit special effects, accept variable text, validate data, create cookies, detect a user's browser, etc.

ECMAScript (European Computer Manufacturers Association Script) is a scripting language based on JavaScript. Invented by Brendan Eich at Netscape, ECMAScript made its first appearance in the Navigator 2.0 browser. It later started appearing in succeeding browser versions of Netscape as well as other browsers. ECMAScript is widely used on the World Wide Web especially for client-side scripting.

ReactJS :

React (also known as React.js or ReactJS) is a free and open-source front-end JavaScript library for building user interfaces based on UI components. It is maintained by Meta (formerly Facebook) and a community of individual developers and companies. React can be used as a base in the development of single-page, mobile, or server-rendered applications with frameworks like Next.js. However, React is only concerned with state management and rendering that state to the DOM, so creating React applications usually requires the use of additional libraries for routing, as well as certain client-side functionality.

Next.js

Next.js is a React framework that gives you building blocks to create web applications.

By framework, we mean Next.js handles the tooling and configuration needed for React, and provides additional structure, features, and optimizations for your application.

You can use React to build your UI, then incrementally adopt Next.js features to solve common application requirements such as routing, data fetching, integrations - all while improving the developer and end-user experience.

Whether you're an individual developer or part of a larger team, you can leverage React and Next.js to build fully interactive, highly dynamic, and performant web applications.

In the next lessons, we will discuss how you can get started with React and Next.js.

TypeScript :

TypeScript is a strongly typed programming language that builds on JavaScript, giving better tooling at any scale. TypeScript adds additional syntax to JavaScript to support a tighter integration with the editor. Catch errors early in the editor.

Basically, TypeScript is like an extension or "superset" of JavaScript. Since JavaScript is a loosely typed language, TypeScript enforces the strict use of types. Thus, making it a strictly typed language.

Tailwind CSS :

Tailwind CSS is basically a utility-first CSS framework for rapidly building custom user interfaces. It is a highly customizable, low-level CSS framework that gives you all of the building blocks you need to build bespoke designs without any annoying opinionated styles you have to fight to override.

3.3 Project Involvement

I was given live projects to work on following this instructional process. Below is a demonstration of these projects:

3.3.1 NEMC

I was involved in this project at the front-end part. The front-end part of NEMC was basically developed based on Tabler, which is a Bootstrap framework. The backend was developed by laravel. I was given solo responsibility for this project.

All tasks associated with medical education and exams are made simple, automated, and online by NEMC. You may manage MBBS exams, card exams, term exams, professional exams, and medical college students here. The Medical College & Hospital Management System software enhances and streamlines academic life. Feature of NEMC are below :

- MBBS exam module automation & online
- Item exam management
- Card exam management
- Term exam management
- Prof exam management
- Automatic exam eligibility checks

- Online attendance system
- Online result publishing automation
- Online mobile based exam taking and mark entry system
- Various dynamic reports & configurable options
- Easy online/manual automate payment collection system
- 1 click on-campus collection
- Online bank, bkash, rocket, visa/Master integrated

The project is briefly demonstrated below:

The screenshot displays two pages of a web-based application interface for Northeast Medical College.

Edit Attachment Type Page:

- Left Sidebar:** Shows navigation links for Dashboard, Admission, Student Management, Parent Management, Session Management, User Management, Lecture Material, Academic Calender, Examination, Selection for Professional Exam, Subjects, Teacher, Class Routine, Attendance, and a 'Create' link.
- Right Content Area:**
 - Title:** Applicant's Copy of MBBS Admission Test
 - Select Status:** Active
 - Buttons:** Cancel and Save

Attachment List Page:

- Left Sidebar:** Same as the previous page.
- Right Content Area:**
 - Header:** Attachment List
 - Create Button:** + Create
 - Table:** Displays a list of attachments with columns for ID, Title, Status, and Action.

ID	TITLE	STATUS	ACTION
23	Applicant's Copy of MBBS Admission Test	Active	<input checked="" type="checkbox"/>
22	Admit Card of MBBS Admission Test	Active	<input checked="" type="checkbox"/>
21	Result Sheet of MBBS Admission Test	Active	<input checked="" type="checkbox"/>
20	HSC Testimonial	Active	<input checked="" type="checkbox"/>
19	SSC Testimonial	Active	<input checked="" type="checkbox"/>
18	HSC Admit Card	Active	<input checked="" type="checkbox"/>
17	SSC Admit Card	Active	<input checked="" type="checkbox"/>
16	HSC Registration Card	Active	<input checked="" type="checkbox"/>

- ⌚ Dashboard
- 📄 Admission
- 👤 Student Management
- 👤 Parent Management
- 📅 Session Management
- 👤 User Management
- 📄 Lecture Material
- 📅 Academic Calender
- 📝 Examination
- 👤 Selection for Professional Exam
- Subjects
- 👤 Teacher
- ⌚ Class Routine
- 👤 Attendance
 - Subjects
 - Payments
- 📄 Admission
- 👤 Student Management
- 👤 Parent Management
- 📅 Session Management
- 👤 User Management
- 📄 Lecture Material
- 📅 Academic Calender
- 📝 Examination
- 👤 Selection for Professional Exam
- Subjects
- 👤 Teacher
- ⌚ Class Routine
- 👤 Attendance
- Payments
- Reports
- 👤 Notice Board
- 📅 Holiday

ⓘ Notice Detail

Notices

Title : TEST notice

⌚ Created at : 24 April 2021

⌚ Published Date : 24/04/2021

Session : All Session

Batch Type : All Batch

Status : Inactive

Detail : test

RECENT MESSAGE

test sms 02

⌚ Message by Manajir Ali, October 10, 2020, 5:48 AM

Message : hi

Email

Seen: No

Reply: Don not reply

Leave a Reply:

Total 0 replies

↪ Reply



image

- [Dashboard](#)
- [Admission](#)
- [Student Management](#)
- [Parent Management](#)
- [Session Management](#)
- [User Management](#)
- [Lecture Material](#)
- [Academic Calender](#)
- [Examination](#)
- [Selection for Professional Exam](#)
- [Subjects](#)
- [Teacher](#)
- [Class Routine](#)
- [Attendance](#)

Create Subject

[Subjects](#)

* Title

Subject Title

* Subject Code

Subject Code

* Subject Group

--- Select Subject Group ---

Department

--- Select Department ---

* Exam Sub Types

- | | | | |
|--|--|--|--|
| <input type="checkbox"/> Class Attendance, performance | <input type="checkbox"/> Board - I | <input type="checkbox"/> Board - II | <input type="checkbox"/> Group A / Part - 1 |
| <input type="checkbox"/> Group B / Part - 2 | <input type="checkbox"/> Hard Part | <input type="checkbox"/> Soft Part | <input type="checkbox"/> OSPE |
| <input type="checkbox"/> Surface marking | <input type="checkbox"/> Viscera | <input type="checkbox"/> Radiology | <input type="checkbox"/> Dissection |
| <input type="checkbox"/> Notebook | <input type="checkbox"/> Traditional practical methods & experiments | <input type="checkbox"/> Report on Survey / Research | <input type="checkbox"/> Report on Day Visit |
| <input type="checkbox"/> Assessment on RFST program | <input type="checkbox"/> Log Book | <input type="checkbox"/> Long Case | <input type="checkbox"/> Viva |
| <input type="checkbox"/> MCQ | <input type="checkbox"/> Written | <input type="checkbox"/> Court Visit | <input type="checkbox"/> Autopsy Visit |



image

- [Dashboard](#)
- [Admission](#)
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- [Attendance](#)

Notice List

[+ Create](#)

Notice Title

Published date

Search

Reset

ID	TITLE	PUBLISHED DATE	NOTICE FILE	STATUS	ACTION
8	TEST notice	24/04/2021	--	PUBLISH	...
7	Card Final viva examination on "Elementary Biochemistry" 23rd batch	24/11/2020	--	PUBLISH	...
6	Card Final Exam of Renal Physiology	10/11/2020	↓	PUBLISH	...
5	Card Final Examination on Abdomen	10/10/2020	↓	PUBLISH	...
4	2nd Year MBBS Online Class Routine	20/09/2020	↓	PUBLISH	...
3	1st Year MBBS Online Class Routine-2020	20/09/2020	↓	PUBLISH	...

- [Academic Calendar](#)
- [Examination](#)
- [Selection for Professional Exam](#)
- [Subjects](#)
- [Teacher](#)
- [Class Routine](#)
- [Attendance](#)
- [Payments](#)
- [Reports](#)
- [Notice Board](#)
- [Holiday](#)
- [Messages](#)
- [Settings](#)
- [Logout](#)

July 2022

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Session Management

- [User Management](#)
- [Lecture Material](#)
- [Academic Calender](#)
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- [Settings](#)
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Md. Mahbubur Rahman

ID : pr2019022001
 Total Student: 1
 Status: Inactive

Father Info

Name : Md. Mahbubur Rahman
Email Address : n/a
Phone Number : 01712508049

Mother Info

Name : Mst. Hena Begum
Email Address : n/a
Phone Number : n/a

Property Info

Who will finance during study : Father
Occupation : Govt. Service
Annual income : 500000.00 and Insolvent grade : n/a
Movable property : n/a and Insolvent grade : n/a
Immovable property : n/a and Insolvent grade : n/a
Total assets : 500000.00 and Insolvent grade : n/a
Address : n/a



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- [Admission](#)
- [Student Management](#)
- [Parent Management](#)
- [Session Management](#)
- [User Management](#)
- [Lecture Material](#)
- [Academic Calender](#)
- [Examination](#)
- [Selection for Professional Exam](#)
- [Subjects](#)
- [Teacher](#)
- [Class Routine](#)
- [Attendance](#)



Attachments of Sheuly Ara Munni

[+ New Attachment](#)

ID	T4	ATTACHMENT TYPE	T5	DOCUMENT TYPE	T6	REMARKS	T7	UPLOAD TIME	T8	ACTION
1469		HSC/ A Level / Same Level Certificate		jpg				05/18/2020		
1468		HSC/ A Level / Same Level Certificate		jpg				05/18/2020		
1467		HSC/ A Level / Same Level Certificate		jpg				05/18/2020		
1466		HSC/ A Level / Same Level Certificate		jpg				05/18/2020		
1465		HSC/ A Level / Same Level Certificate		jpg				05/18/2020		
1464		HSC/ A Level / Same Level Certificate		jpg				05/18/2020		
1463		HSC/ A Level / Same Level Certificate		jpg				05/18/2020		
1462		Academic Documents		jpg				05/18/2020		

Show 10 entries



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- [Class Routine](#)
- [Attendance](#)



Student's Detail: Sheuly Ara Munni

[+ students](#)[Personal](#) [Admission](#) [Education](#) [Parent's Asset](#) [Contact](#) [Attachment](#)

Personal Information

Session : 2019-2020	Course : BDS
Gender : female	Date of Birth : 06/11/1999
Birth Place: Sylhet	Available Credit (for tuition): Tk 0.00
Available Credit (for development): Tk 0.00	
Address : N/A	

FATHER'S NAME	MOTHER'S NAME	FATHER'S PHONE	MOTHER'S PHONE	FATHER'S EMAIL	MOTHER'S EMAIL
Nizam Uddin	Jasmin Ara Rehena	01745312173			

Full name	Full name
* Form fillup date	Commenced year
Form Fillup Date	2022
Test score	Merit score
Test score	Merit score
Merit position	Admission roll no
Merit position	Admission roll no
* Date of birth	* Gender
Date of birth	<input type="radio"/> Male <input type="radio"/> Female
Blood group	Remarks
Blood group	Remarks
Phone	* Mobile
Phone	Mobile
Email	
Email	

NEXT

+ Add New Applicants
Applicants

Applicant	Address	Parents	Education	Emergency	Attachments
* Session --- Select ---	* Course --- Select ---				
* Student category --- Select ---	* Admission year 2022				
* Full name (english) Full name	Full name (যাইলা) Full name				
* Form fillup date Form Fillup Date	Commenced year 2022				
Test score Test score	Merit score Merit score				
Merit position Merit position	Admission roll no Admission roll no				



image

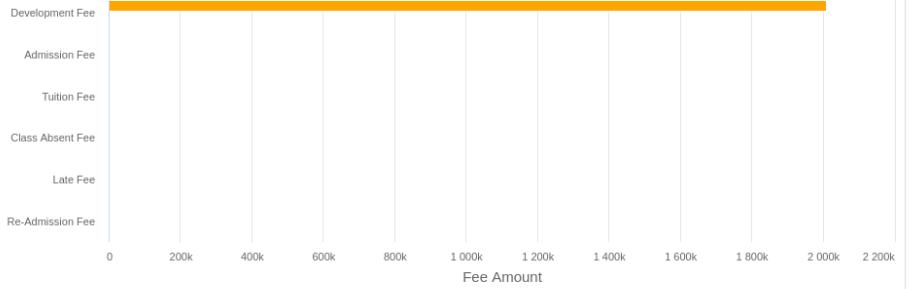
[Dashboard](#)[Admission](#)[Student Management](#)[Parent Management](#)[Session Management](#)[User Management](#)[Lecture Material](#)[Academic Calender](#)[Examination](#)[Selection for Professional Exam](#)[Subjects](#)[Teacher](#)[Class Routine](#)[Attendance](#)[Announcements](#)

Applicants List

[+ Add Applicant](#)[---- Select Session ----](#)[---- Select Course ----](#)[---- Select Category ----](#)[---- Select Status ----](#) Full Name Admission Roll No Email Phone[Search](#)[Reset](#)

IMAGE	NAME	SESSION	COURSE	CATEGORY	MERIT POSITION	ADMISSION ROLL	STATUS	ACTION
	Eman Rai	2018-2019	MBBS	Foreign			Selected for admission	...
	Roshni Pantha	2018-2019	MBBS	Foreign			Transfer	Edit
	Prakriti Ghimire	2018-2019	MBBS	Foreign			Update Status	View
	Fahian Ibn Rafiq	2018-2019	MBBS	Normal	5779	171452	Selected for admission	...
	Md Arifuiiaman	2018-2019	MBBS	Normal	18213	170294	Selected for admission	...

Fees for MBBS and BDS (Foreign)



Highcharts.com

NB. Amount currency is USD(\$)

Latest Notices

SR. NO	TITLE	PUBLISHED DATE	NOTICE FILE	STATUS	ACTION
1	TEST notice	24/04/2021	--	PUBLISH	



- [⌚ Class Routine](#)
- [👤 Attendance](#)
- [💳 Payments](#)
- [🕒 Reports](#)
- [👤 Notice Board](#)
- [📅 Holiday](#)
- [✉️ Messages](#)
- [⚙️ Settings](#)
- [🚪 Logout](#)

Daily Attendance

Phase 1 Phase 2 Phase 3 Phase 4

No data found

Fees For MBBS and BDS (BD)

Fee Type	Amount (BDT)
Development Fee	120M
Admission Fee	0M
Tuition Fee	0M
Class Absent Fee	0M
Late Fee	0M
Re-Admission Fee	0M

Fee Amount

● MBBS ● BDS

Highcharts.com

NB. Amount currency is BDT(Tk)



NORTHEAST
MEDICAL
COLLEGE

image

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- [📋 Admission](#)
- [👤 Student Management](#)
- [👤 Parent Management](#)
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- [👥 User Management](#)
- [📄 Lecture Material](#)
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- [📝 Examination](#)
- [🎲 Selection for Professional Exam](#)
- [📖 Subjects](#)
- [👤 Teacher](#)
- [⌚ Class Routine](#)
- [👤 Attendance](#)
- [🚪 Logout](#)

Dashboard
2020-2021
MBBS
🔍
🕒

Slice of the pie

Food Item	Percentage
Chicken	~35%
Vegetable	~25%
Fish	~20%
Steak	~10%
Other	~10%

Highcharts.com

Daily Attendance

Phase 1 Phase 2 Phase 3 Phase 4



3.3.2 STS (Service Ticketing System)

I was involved in this project at the front-end part. The front-end part of STS was basically developed based on next.js, which is a React framework. For other requirement we use Typescript & Tailwind CSS & React Query. The backend was developed by Django.

STS collects and manages all customer support interactions from different platforms, including phone, live chat, email, and social media. This management system enables IT, support agents, to route various types of tickets to the correct person, resource, or department to obtain the fastest resolution. Feature of STS are below :

1. **Real-time updates.** Your team views real-time data on the actions and activities occurring in the system, such as who's currently viewing a ticket a given time, for better productivity and efficiency.
2. **Agent collaboration.** When an issue arises, your agents share information via private comments to help solve the problem faster.
3. **Help desk automation.** Common tasks are automated to free up time for your agents, such as closing inactive ticket alerts and notifying a manager of a new issue.
4. **Macros.** For a quick response to recurring customer inquiries, agents create and share personalized, standard replies.
5. **Request forms and ticket fields.** This gives your clients more information right from the customer to prepare a more personalized customer support regarding the specific issue.
6. **Custom views.** Agents see a personalized view of their queue according to a ticket status, group, assignee, and numerous conditions.
7. **SLA management.** The built-in SLA (Service-level Agreement) enables agents to set their own parameters and utilize up-to-date measurements to monitor a specific ticket's status.

3.3.3 WELLTEAM

I was involved in this project at the front-end part. The front-end part of WELLTEAM was basically developed based on next.js, which is a React framework. For other requirement we use Typescript & Tailwind CSS & React Query. The backend was developed by GO. One more intern and three more senior developers were also involved in this project.

Wellteam was basically a physical health related project where users can join on different types of Challenge Programs and Events, check their situation by participating in surveys, share their opinions by writing and reading different articles and like & comment on them. For these users to be authenticated. The project is briefly demonstrated below:

The image consists of three vertically stacked screenshots of the Wellteam application's admin panel, demonstrating its features for managing media, events, and challenges.

- Instagram:** Shows a list of six Instagram posts. Each post includes a thumbnail, type (IMAGE), content (e.g., "image"), and a permanent link. A "Sync Posts" button is visible in the top right corner.

SL	Type	Content	Permanent Link
1	IMAGE	image	https://www.instagram.com/p/CfC0t0mDw/
2	IMAGE	image	https://www.instagram.com/p/CfN2Q9t9DF/
3	IMAGE		https://www.instagram.com/p/CfL1v0ePmgR/
4	IMAGE		https://www.instagram.com/p/CfL19Wdvn/
5	IMAGE		https://www.instagram.com/p/CfL1vWwVw/
6	IMAGE		https://www.instagram.com/p/CfL1vWwVw/

- Events:** Shows a list of four events. Each event card includes a thumbnail, name, description, number of respondents, guides, schedules, venues, and dates. A "Create Event" button is visible in the top right corner.

Event Name	Description	Respondents	Guides	Schedules	Venues	Dates
Torrens social walk	60 minute lap of the picturesque Torrens River F...	0	0	0	0	Jul 25, 2022 - Jul 25, 2022
SAHMRI Bright Walk	Join us for a night of fun and fitness for research...	0	0	0	0	Jul 25, 2022 - Jul 25, 2022
Special Olympics Fundraising Lunch	Hosted by Wellteam member Jonah Rashied. This even...	0	0	0	0	Aug 05, 2022 - Aug 05, 2022
Weekly member check-in	Check in with your team members and get updates on...	0	0	0	0	Jul 18, 2022 - Jul 18, 2022

- Challenges:** Shows a list of five challenges. Each challenge card includes a thumbnail, name, description, number of respondents, cost, duration, and a "Create Challenge" button. A link to the challenges page is provided at the bottom.

Challenge Name	Description	Respondents	Cost	Duration
Define your purpose	A clear sense of dir...	0	\$49	10 Days
Spark	Need more out of lif...	0	Free	1 Days
JUSTIN ALLEN System Admin's challenge	...	0	Free	70 Days
Test	...	0	\$44	98 Days
Spark	...	0	\$199	183 Days

<https://www.betterwellteam.me/admin/challenges/challenge-home>

wellteam

wellteam

wellteam

wellteam

Recent Survey



Scorecard Tool

TAKES 7-10 MINUTES. Respond to 45 statements about your health & fitness. Do statements sound 'Like you' or 'Not like you' or in between? Be honest for more useful personal insights. Repeat monthly to see progress. NOTE: This process is automated. You.

48 responds

Upcoming Event

Weekly Member Check-in



Join Events → Already Joined

Online - grab a drink, a comfy chair, some food if you need to and zoom on in.



Drop by, chat, ask questions, give feedback, meet others.

Living your best life?

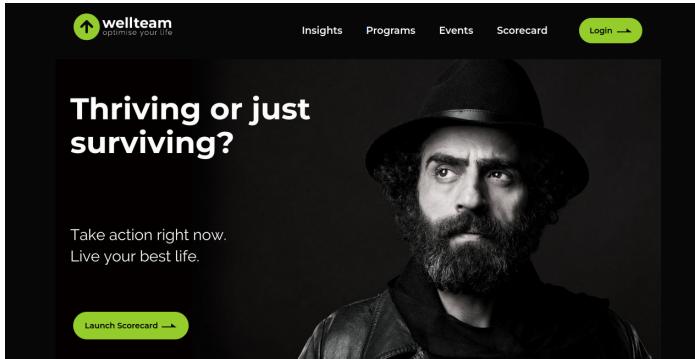
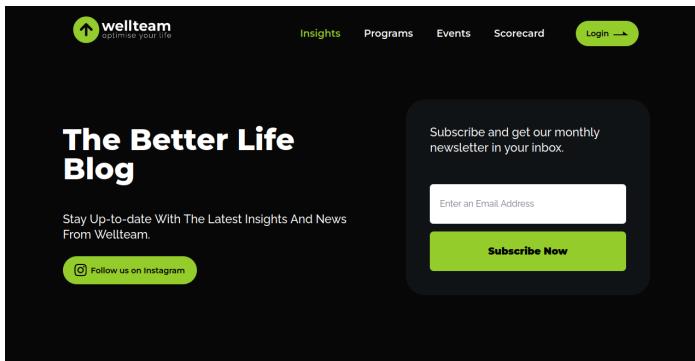


Shift gears, expand to a healthier network, launch into better habits, get fitter, calmer, clearer and stronger.

Begin today with a clear, deliberate path. While some programs have weekly information and activities, others put you in charge of the timeframe (self-paced). All program content is online so if you miss a day/week/section/activity, you can loop back and pick it up later.

Key features of programs include:

- Track your progress online
- Weekly online group catch ups for fun and camaraderie
- Member events to optimise your social network



Chapter 4: Acquired Skills

On September 1st, 2021, I started working at Vivasoft Ltd and signed a six-month contract with them. I held the title of "Intern". First, I began by using the Tabler framework to create a responsive website. Then I was transferred to the front-end team where I created component-based interactive UI using the nextjs framework.

The abilities I have learned are covered in the sections below:

4.1 Technical Skills

I have utilized a variety of tools and IDEs throughout my internship, picked up some framework knowledge, and been exposed to various development processes, architectures, and methodologies. These are briefly listed below:

4.1.1 IDEs and Development Tools

I have also employed a variety of IDEs and technologies to facilitate the software development process.

4.1.1.1 Visual Studio Code

Visual Studio Code is a lightweight but powerful source code editor which runs on your desktop and is available for Windows, macOS and Linux. It comes with built-in support for JavaScript, TypeScript and Node.js and has a rich ecosystem of extensions for other languages and runtimes (such as C++, C#, Java, Python, PHP, Go, .NET).

4.1.1.2 Postman

Postman is an API platform for building and using APIs. Postman simplifies each step of the API lifecycle and streamlines collaboration so you can create better APIs—faster.

4.1.2 Source Control Tools

In order to remotely manage the versioning and source control, vivasoft leverages Bitbucket.

4.1.2.1 Git

Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

4.1.2.2 Sourcetree

A Git GUI that offers a visual representation of your repositories. *Sourcetree* is a free Git client for Windows and Mac.

4.1.2.3 Bitbucket

Bitbucket Cloud is a Git-based code and CI/CD tool optimized for teams using Jira.

4.1.3 Languages and Frameworks

4.1.3.1 Javascript

JavaScript (JS) is a lightweight, interpreted, or just-in-time compiled programming language with first-class functions. While it is most well-known as the scripting language for Web pages, many non-browser environments also use it, such as Node.js, Apache CouchDB and Adobe Acrobat. JavaScript is a prototype-based, multi-paradigm, single-threaded, dynamic language, supporting object-oriented, imperative, and declarative (e.g. functional programming) styles.

4.1.3.2 React

React is a free and open-source front-end JavaScript library for building user interfaces based on UI components.

4.1.3.3 Next Js

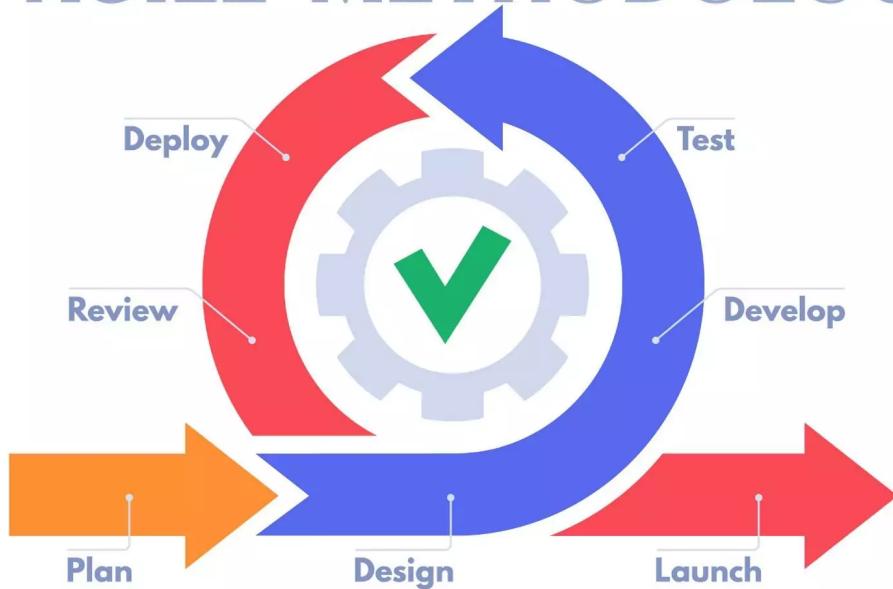
Next.js is an open-source web development framework built on top of Node.js enabling React-based web applications functionalities such as server-side rendering and generating static websites.

4.1.4 Development methodology and architectural pattern

4.1.4.1 Agile methodology

The Agile methodology is **a way to manage a project by breaking it up into several phases**. It involves constant collaboration with stakeholders and continuous improvement at every stage. Once the work begins, teams cycle through a process of planning, executing, and evaluating.

AGILE METHODOLOGY



4.1.4.2 REST

Representational state transfer (REST) is a software architectural style that describes a uniform interface between decoupled components in the Internet in a Client-Server architecture. REST defines four interface constraints:

- Identification of resources
- Manipulation of resources
- Self-descriptive messages and
- hypermedia as the engine of application state

4.2 Professional Skills

4.2.1 Practical Skills

The internship allowed me to apply what I had learned in class to the problems facing the business world today and exposed me to cutting-edge technology.

I had no practical skills, so this internship program was just what I needed to develop them. I would gain experience in the real world to supplement my academic coursework.

4.2.2 Communication Skills

I developed both formal and casual communication skills.

To do my duties throughout the internship, I had to communicate with many teams. This time, I understood how to convey the same idea to several audiences.

4.2.3 Teamwork and Cooperation

Teamwork is the foundation of Vivasoft, which operates like a family.

Everyone works together. We implemented several project components in groups and did quite a bit of pair programming.

Senior engineers are available whenever they have free time for information exchange.

The staff members are all very helpful.

For me, this is the best chance I've ever had to work with others and establish a team.

Chapter 5: Conclusion

5.1 Conclusion

I learned a lot and watched a lot of professional actions over my entire internship stint as an intern. Due to the wide range of topics I was able to cover, this internship was really beneficial to me. I also picked up fresh ideas and techniques for working.

I want to express my gratitude to Institute of Information and Communication Technology, Shahjalal University of Science and Technology for giving me the chance to learn more about the professional field's competitive climate. My coding skills for software development have definitely improved. I am now eager to take on the forthcoming problems that the world will present.

In a nutshell, I had a tremendous time throughout this internship. And I'm hoping that this experience will inspire and inform me as I work to secure a future for myself.

Reference

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- [7]. "JavaScript", <https://developer.mozilla.org/en-US/docs/Web/JavaScript>.
- [8]. "React js" ,<https://reactjs.org/docs/getting-started.html>.
- [9]. "next js",<https://nextjs.org/docs>.