

# MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI

# A Report on **Industrial Training**

(Internship) (22057)



# **Computer Engineering Programme**

Shri Shivaji Vidya Prasarak Sanstha's Bapusaheb Shivajirao Deore Polytechnic- Dhule. Institute Code: 0059

2022-2023



# MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI

## A Report on

# **Industrial Training** (22057)



### **Submitted by**

Name of Students: 1) Patil Chetan Bhatu

2) Patil Yash Nagaraj

3) Salunke Krishna Nandkishor

4) Varma Soham Pankajkumar

Name of Mentor: Mr. C. P. Bhamare

Name of Industry: Sumago Infotech.

**Duration** :- 04<sup>th</sup> July 2022 to 14<sup>th</sup> Aug 2022

### **Computer Engineering Programme**

Shri Shivaji Vidya Prasarak Sanstha's Bapusaheb Shivajirao Deore Polytechnic- Dhule.

Institute Code: 0059

2022-2023



# MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI

# **Certificate of Completion**

# of Industrial Training

This is to certify that,

Sr. No	Enrollment Number	Name of student
1	2000590210	Patil Chetan Bhatu
2	2000590216	Patil Yash Nagaraj
3	2000590219	Salunke Krishna Nandkishor
4	2000590223	Varma Soham PankajKumar

have successfully completed Industrial Training (22057) at <u>Sumago InfoTech Pvt. Ltd.</u> From 04<sup>th</sup> July 2022 to 14<sup>th</sup> Aug 2022 \_(6 weeks) for partial fulfillment towards completion of Diploma in **Computer Engineering** from S.S.V.P.S's B. S. Deore Polytechnic, Dhule. (Institute Code: <u>0059</u>).

Mr. C. P. Bhamare Mentor Ms. S. H. Patil Head

Prof. P. B. Kachave Principal

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# **Certificate of Completion**

# of Industrial Training









### **Abstract**

"Smart Care" helps a certain medical establishment such as a clinic or a hospital clients / patients to request an appointment with a doctor online. This project can also help doctors to manage the schedules of their appointments with their patients. This doctor's appointment system will organize the schedules of each patient's appointment, which will be submitted as a request to the doctor they have selected.

The system has 3 sides which are the administrator, the doctor, and the patient. The system admin will populate the list of the doctors with their specialties and along with the doctor's details and system credentials. The patients will browse the doctor's appointment system website to find a doctor that has the specialty of their needs. The patient can check the doctor's weekly schedule to help them to choose the day and time which they can comply for the appointment and they will submit their request for an appointment. After that, the doctors can view all their appointments and the appointment request of the patients for their availability.

# Acknowledgement

We hereby take this opportunity to express our gratitude towards the people whose help is very useful to complete our project "Smart Care (Medical establishment)".

We would like to express our thanks to our guide Mr. C. P. Bhamare whose guidance become very valuable for us.

We are also very thankful to our head of department, Ms. S. H. Patil for providing precious help and advice. Finally, we would like to thanks all our friends and well-wishers who have a very important role in nurturing and strengthening our career.

### Yours Sincerely,

- 1) Patil Chetan Bhatu
- 2) Patil Yash Nagaraj
- 3) Salunke Krishna Nandkishor
- 4) Varma Soham Pankajkumar

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## **Chapter 1 Introduction**

### 1.1 Introduction of Industrial Training:-

Industrial Training is an organized activity focused on required skill set, information to improve and enhance the performance or to help students to meet their career goals.

Training is not only for students but it is also beneficial for employees and job seekers. It improves their skills, performance and gives them a wonderful experience that helps them everywhere in their domain knowing the importance of training, technical board education has made industrial training mandatory in engineering sector.

Industrial Training bridges the gap in academic curriculum and in the industry. It helps students to learn new technology, stay them updated with market demand, making them aware of new developments and discoveries and develop skills and competencies required to become employable.

### 1.2 Objectives of Industrial Training:-

- 1) Students are exposed to industrial Environment, which cannot be simulated in the Institute.
- 2) Students will be able to understand the psychology of the workers, their habits, attitudes and approach to problems along the practices followed either of factory or at a site.
- 3) Students realize the size and scale of industry.
- 4) Student should get an opportunity to apply their knowledge in problem solving in their project assignment.
- 5) Students understand the scope, function and the job responsibility-ties in various departments of an organization. This is very good opportunity to learn under a different environment, but the gain is dependent on positive attitudes and approach to training, keenness and attitude to learn of the trainee.

## **Chapter 2 Company's Profile / Background**

### 2.1 Company's History:-

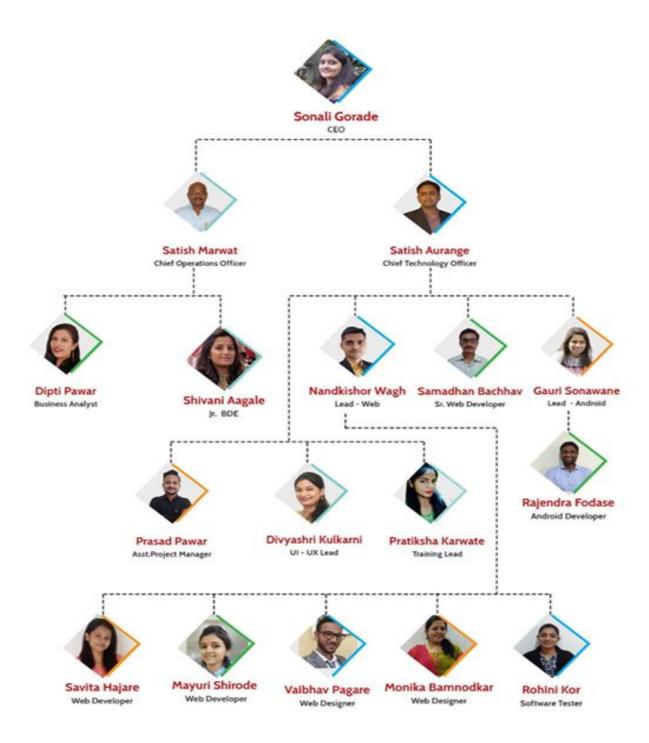
**Sumago Infotech** is a company established in Oct 2013. It has industry-specific software expertise in technology, healthcare, financial, media, manufacturing and many other sectors. This company specializes in offering Web Designing, Web Application Development, Mobile App Development, Software Development, Digital Marketing, Software Testing, Quality Assurance Services and many more.

**Sumago Infotech** aspires to be the global sourcing choice of the world market and revolutionizes the way service processes function. To reach out to the common people across the globe and making Information Technology a tool for the "MASS" along with the tool for the "CLASS". Creating innovative IT solutions and provide IT-enabled services to delight customers worldwide and build Relationships based on Trust, Values and Professionalism.

**Sumago Infotech** has industry-specific software expertise in Technology, Financial, Healthcare, Media, Manufacturing, and many other sectors. The company specializes in offering Web Designing, Web Application Development, Mobile Application Development, Software Development, Digital Marketing, Software Testing, Quality Assurance services, and many more. They are a team of committed innovative, client-sensitive and experienced software professionals who always strive to deliver customized, cost- effective and long-term software solutions that complement our client's objective and result in a satisfied customer.

At Sumago Infotech, They "Strive with Technology" to provide the most effective and affordable service that fulfills their customer's needs and budget. They provide customized websites and software solutions that suit customer's company objectives. They always keep involving our customers in an entire process starting from design through deployment, so that your ideas can be incorporate into our work. After deploying website or software they keep working with you to provide continuous support. They also help to promote your businesses by our digital marketing services. Our focus is always on giving a quality product to a customer for which we design attractive websites, by combining creative strategies with innovative technology

# 2.2 Organization chart:



### 2.3 Company's Business activities:-

- 1) Online Examination System
- 2) ERP
- 3) Magic Bricks Application
- 4) Food Delivery Application
- 5) Online Service Provider Application
- 6) Home Automation System
- 7) E-commerce Application

### 2.2 Company's Mission:-

At Sumago InfoTech, they "Strive with Technology" to provide the most effective and affordable service that fulfills our customer's needs and budget. They provide customized websites and software **so**lutions that suit customer's company Objectives. They always keep involving our customers in an entire process starting from design through deployment so that your ideas can be incorporated into our work.

# 2.3 Company's Vision:-

They aspire to be the global sourcing choice of the world market and revolutionize the way service processes function. To reach out to the common people across the globe and making information technology tool for the "MASS" along with a tool for the "CLASS". Creating innovative IT solutions and provide IT-enabled services to delight customers worldwide and build Relationships based on Trust, Values and Professionalism.

## **Chapter 3 Weekly Job Summary**

#### Week 1:-

In this week we first learned the fundamentals of HTML and its syntax and setup the necessary tools too. Additionally, we learn how to add Google Maps, audio, and video to websites. Additionally, we learned how to add data to a webpage in both table and plain text formats. Also created a form with the use of a button, label, and other elements, and the user can enter text in the input field.

#### Week 2:-

We learned the fundamentals and more advanced concepts of CSS, Bootstrap and Javascript in this week. We also learned about arrays, their types, and how to declare variables in Javascript. We attended a special lecture on the "BSE investors awareness program".

#### Week 3:-

In week 3 we learned, introduction to jquery validation, adding different types of jquery Validation to HTML form. Also, we learned PHP programming language which used for server-side programming language.

#### Week 4:-

In week 4 we learned and wrote the PHP Programs using Conditional and Looping Structures. In this week we deep dive in PHP like we learned different Types of Functions in PHP, arrays in PHP and types of arrays like indexed, associative, multidimensional. And we attain a Guest Lecture on "mind matters".

#### Week 5:-

In week 5 we learned Insert Data into database using insert query in PHP e.g. user login form, calculator, result calculator and interest calculator using events. Also, we learned jquery Various events and learned about the mysqli server. Also, we attain a Guest Lecture on "Human Resource Management (HRM)".

#### Week 6:-

In this week 6 we learned, "how to Buy a Domain from GoDaddy", "provide various services to admin", "downloading Admin Panel Template and Modify that template", "introduction of Update and Delete query in PHP".

# **Week 1: From 04<sup>th</sup> July 2022 To 09<sup>th</sup> July 2022**

Day	Activities Carried out
1	Introduction of Sumago Infotech Pvt. Ltd. Nashik with students.
2	<ul> <li>Downloading and installation of sublime text editor and XAMPP server.</li> <li>What is web design and development.</li> <li>Different types of HTML tags.</li> </ul>
3	<ul> <li>Types of Lists in HTML &amp; their Syntax.</li> <li>Embed a Video and Audio into webpage from local system using audio and video tag.</li> <li>Embedding a google map location using iframe tag.</li> </ul>
4	<ul> <li>Creating tables in html using table tag.</li> <li>Inserting data into table using tr, th, td tag.</li> <li>To style the table using cellpadding, cellspacing, rowspan, colspan etc.</li> </ul>
5	<ul> <li>Creating Form in html using form tag.</li> <li>Adding controls into form like Input, Textarea, Button, Label, Select etc.</li> </ul>
6	HOLIDAY

# **Week 2: From 11<sup>th</sup> July 2022 To 16<sup>th</sup> July 2022**

Day	Activities Carried out
1	<ul> <li>Introduction to Cascading Style Sheet (CSS).</li> <li>Types of CSS internal, external and inline.</li> <li>Different types of properties in CSS.</li> <li>Eg. Margin, Padding, BackgroundColor, Fontfamily, Color etc.</li> </ul>
2	<ul> <li>Introduction to Bootstrap.</li> <li>Different Types of Component's in Bootstrap.</li> <li>Eg. Navbar, Jumbotron, Grid System, Glyphicons, Tables and Forms.</li> </ul>
3	<ul> <li>Embedding an Image using image tag and different Bootstrap image classes. Like img-responsive, img-rounded etc.</li> <li>Embedding Panel and Buttons into html webpage using Bootstrap classes. Like button, panel etc.</li> </ul>
4	<ul> <li>Introduction of JavaScript and Embedding an external JavaScript.</li> <li>Different types of variables, alert and prompt in JavaScript.</li> <li>Control Structures like conditional and looping statement in JavaScript.</li> </ul>
5	<ul> <li>Introduction of Arrays and Syntax &amp; Declaration in JavaScript.</li> <li>Different types of Arrays Methods Like Push, Pop, Reverse etc.</li> <li>Introduction of Functions in JavaScript and Rules to Create it.</li> <li>Different types of Functions and Scope of that function.</li> </ul>
6	BSE investors awareness program.

# **Week 3: From 18<sup>th</sup> July 2022 To 23<sup>th</sup> July 2022**

Day	Activities Carried out
1	<ul> <li>Introduction to Document Object Model (DOM) And their Properties.</li> <li>Different Types of Methods in DOM.</li> <li>Adding different types of JavaScript Validation to HTML Form.</li> </ul>
2	<ul> <li>Introduction to jquery validation.</li> <li>Downloading and adding jQuery Validation Engine to folder.</li> <li>Adding different types of jquery Validation to HTML form.</li> </ul>
3	Jquery validation assignment.
4	<ul> <li>Introduction to PHP Programming language.</li> <li>Common Uses, Features and Advantages of PHP.</li> </ul>
5	Revision of All Previous Topics.
6	HOLIDAY

# **Week 4**: From 25<sup>th</sup> July 2022 To 30<sup>th</sup> July 2022

Day	Activities Carried out
1	<ul> <li>Syntax, Extension, Comments and Variables in PHP.</li> <li>Conditional and Looping Structures in PHP.</li> <li>Different Types of Functions in PHP.</li> <li>Simple PHP Programs.</li> </ul>
2	<ul> <li>Fuctions in PHP.</li> <li>Passing arguments through function and by reference in PHP.</li> <li>String manipulation and its functions Chr, Strlen, Strcmp, Strrev, Strtolower, Strtoupper.</li> <li>string concatenation.</li> <li>Arrays in PHP and Types of arrays like indexed, associative, multidimensional.</li> <li>Form handling in php.</li> </ul>
3	<ul> <li>Different types of methods like Get and Post in php.</li> <li>Different Arrays functions eg. arsort(), assort(), is_array(), krsort(), ksort(), rsort(), sort() etc.</li> </ul>
4	<ul> <li>Javascript various events eg. onclick, onload etc.</li> <li>Example and Practice Various events.</li> </ul>
5	<ul> <li>Javascript various events</li> <li>Examples of their events.</li> </ul>
6	Guest Lecture on mind matters.

# **Week 5: From 01st Aug 2022 To 06th Aug 2022**

Day	Activities Carried out
1	<ul> <li>Javascript various events and practice.</li> <li>Eg. Calculator, Result Calculator and Interest Calculator using events.</li> </ul>
2	<ul> <li>Introduction of JQuery &amp; their Events.</li> <li>Different JQuery event methods like click, dblclick, keypress, load etc.</li> <li>Different JQuery events like css, append, before, after, animate etc.</li> </ul>
3	<ul> <li>JQuery Various events.</li> <li>Eg. Slidedown, slideup, stop, hide, show, fadetoggle etc.</li> </ul>
4	<ul> <li>Introduction of php and mysql databases.</li> <li>Different functions mysqli_connect(), die(), mysqli_error() etc.</li> <li>Database creation and Connect those database to PHP file.</li> <li>How to create table in mysqli server.</li> </ul>
5	<ul> <li>How to include external connection file into working PHP page.</li> <li>Insert Data into database using insert query in PHP.</li> <li>Different functions that are used in to insert data into table like isset(), extract(), mysqli_query().</li> </ul>
6	Lecture on Human Resource Management (HRM).

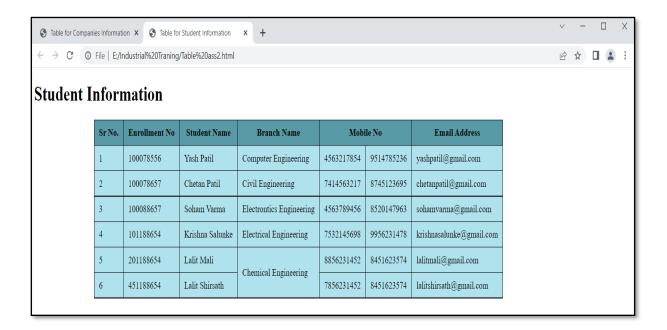
# **Week 6: From 08<sup>th</sup> Aug 2022 To 13<sup>th</sup> Aug 2022**

Day	Activities Carried out
1	<ul> <li>Introduction to Select Query in PHP.</li> <li>Fetch those data from table to PHP webpage using Select() query.</li> </ul>
2	<ul> <li>Introduction of Update and Delete query in PHP.</li> <li>Update form data and Delete a record using in PHP.</li> <li>Downloading Website Template and editing the template.</li> <li>Create databases for that template and Do connection and Insert contact us data to database using PHP.</li> </ul>
3	<ul> <li>Downloading Admin Panel Template and Modify that template.</li> <li>Creating Login and Logout System using Session for admin Panel.</li> <li>Provide various services to admin like <ol> <li>Show data from table.</li> <li>Update those data.</li> <li>Delete a Particular User record.</li> </ol> </li> </ul>
4	HOLIDAY
5	<ul> <li>Introduction of Domain and Hosting.</li> <li>How to Buy a Domain from GoDaddy.</li> <li>How to Host a website that purchased domain using cPanel.</li> </ul>
6	HOLIDAY

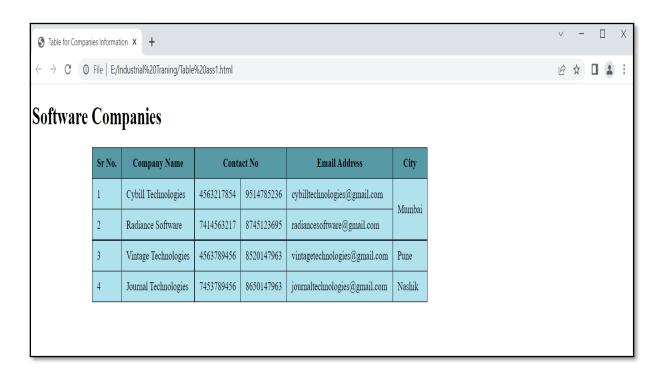
## **Chapter 4 Technical Contents / Report**

During the period of 4 weeks of Industrial Training we have completed following Assignments:

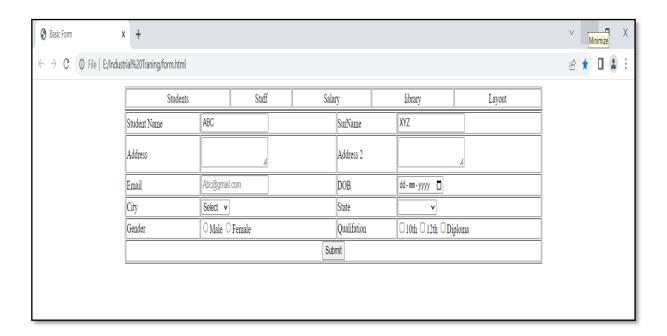
1) Create a Student Information Table along with various details.



2) Create a Software Company Information Table with various details.

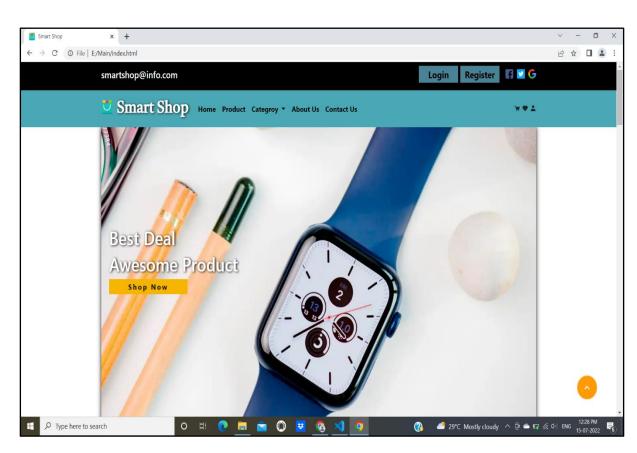


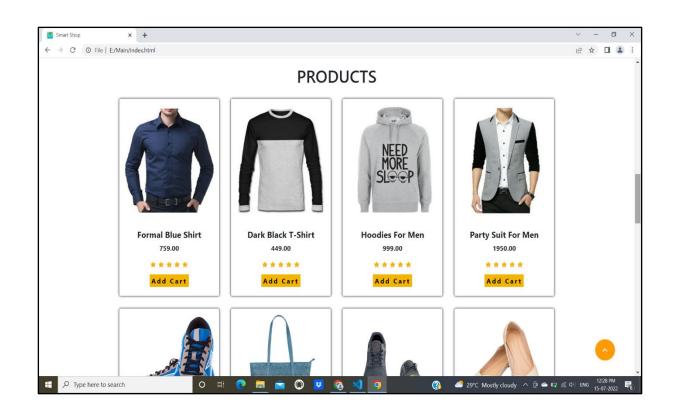
3) Create a Student Registration Form in HTML.

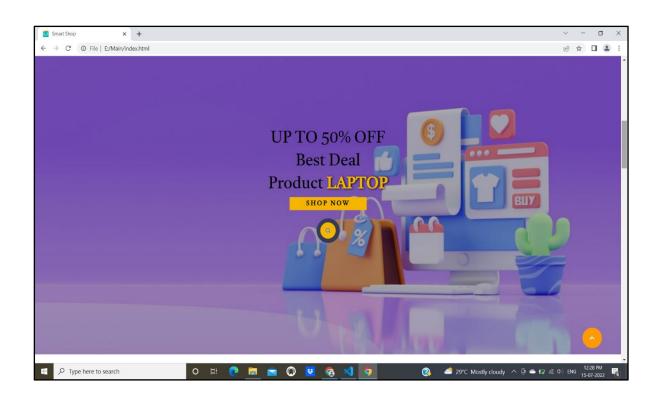


4) Make a single page website in html.

#### E-Commerce Website:-

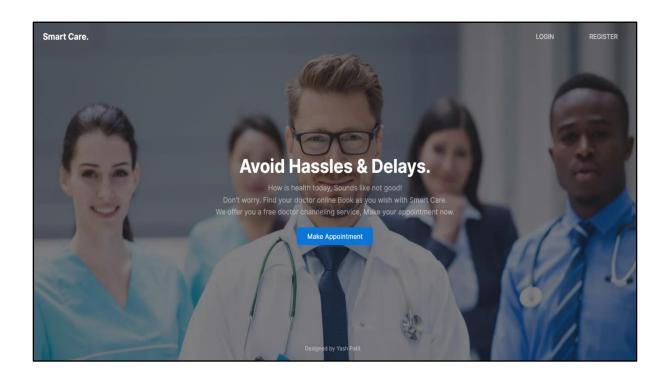




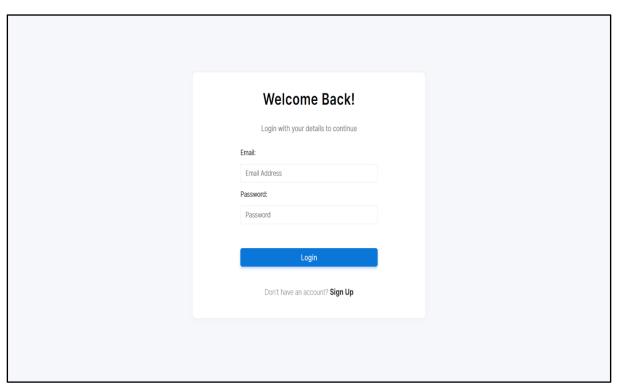


# **Project Name :- Smart Care**

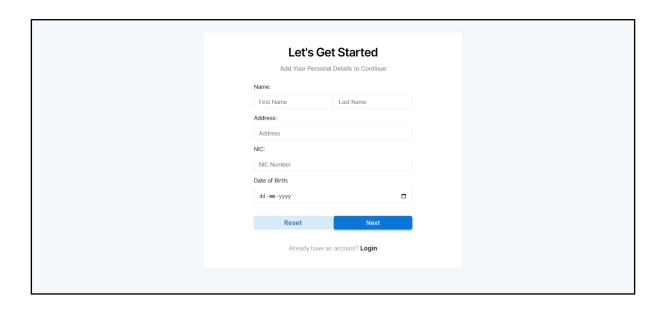
# **Home Page**

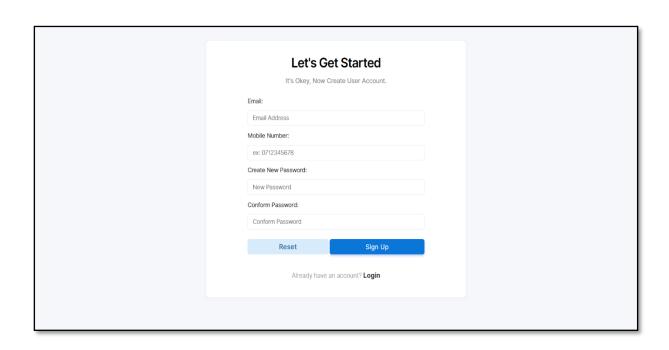


# **Login Page**

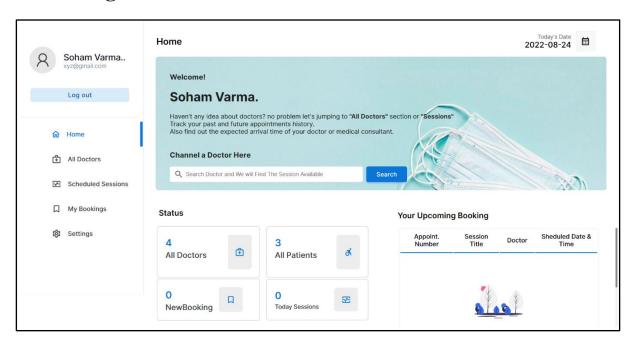


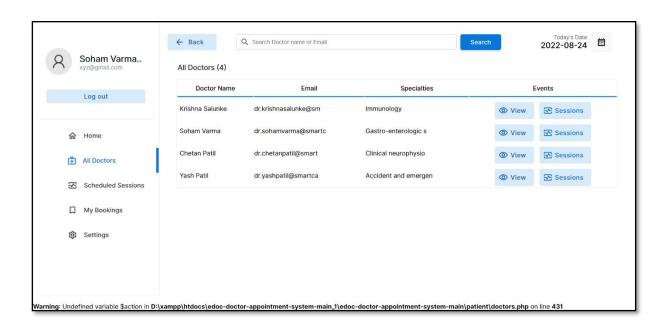
# Sign Up Page

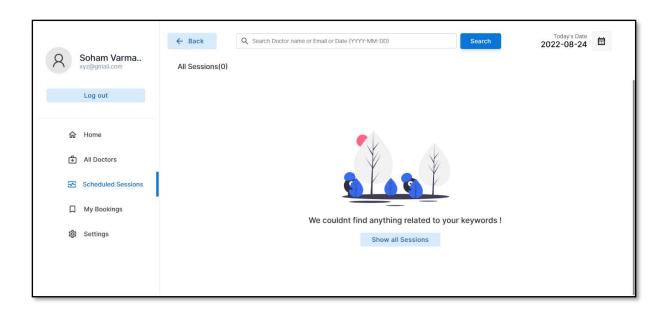




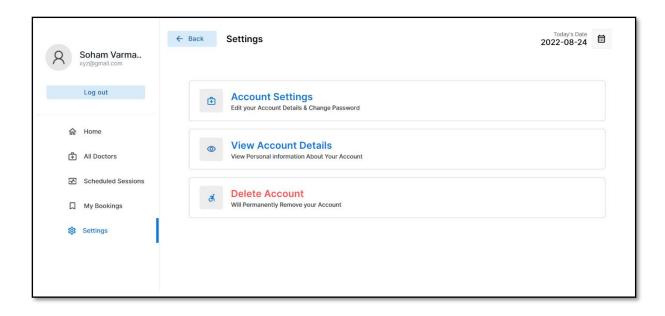
# **Patient Side Page**



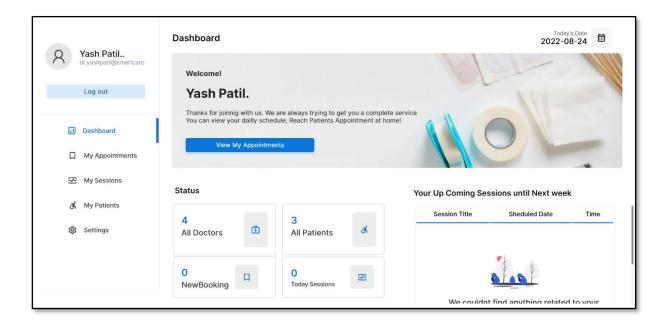


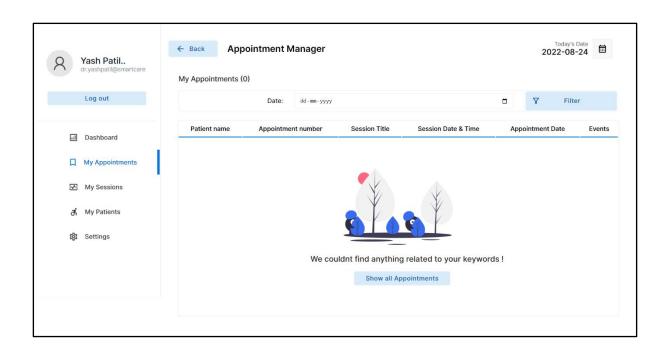




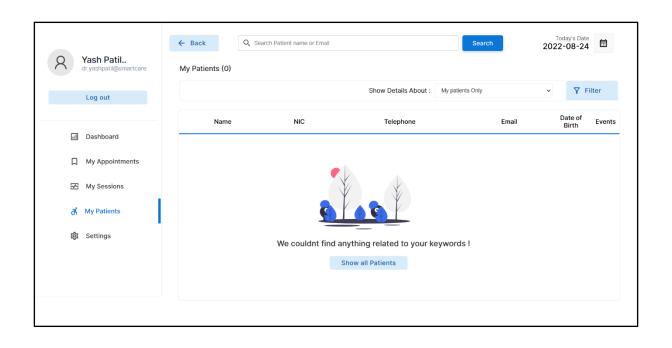


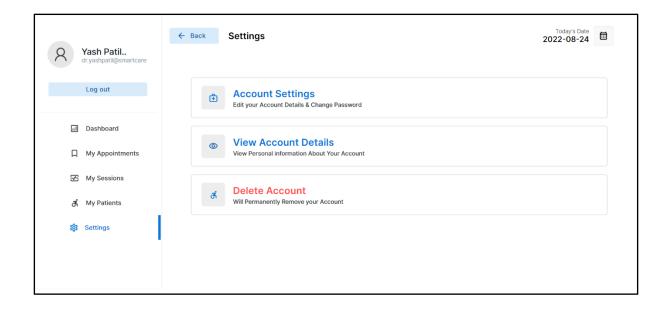
# **Doctor Side Page**



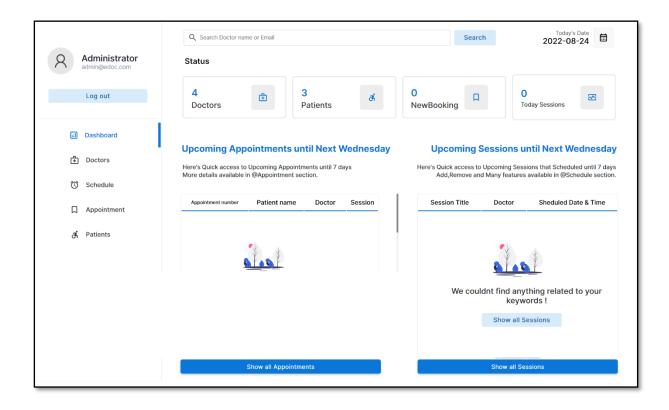


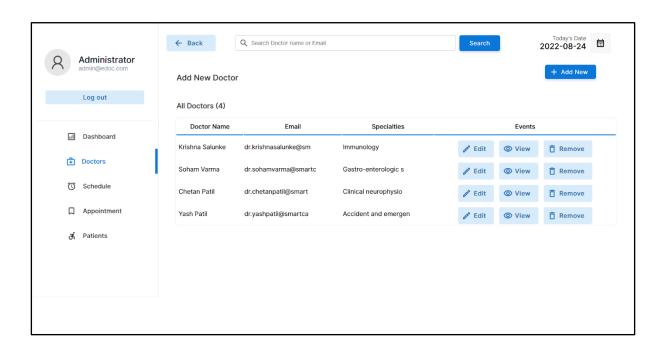


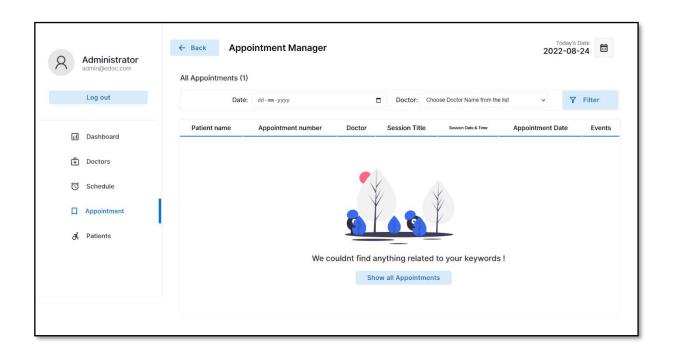


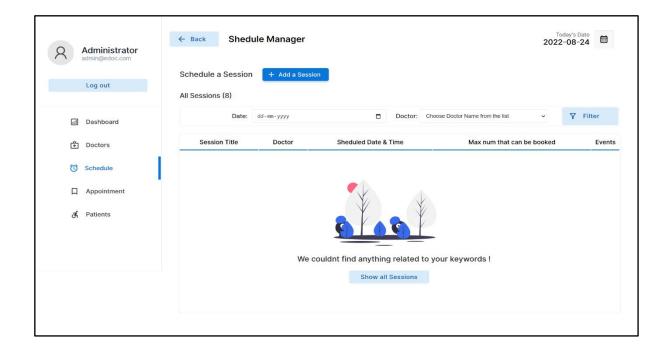


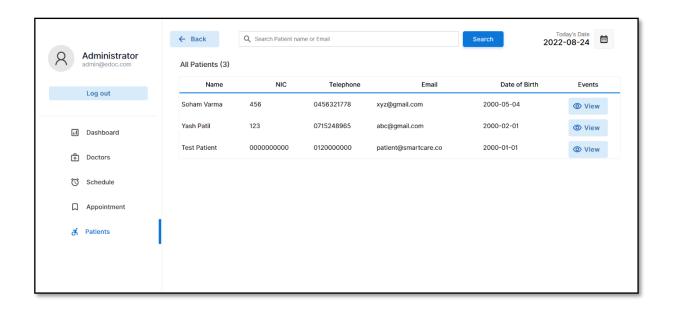
# **Administrator Side Page**











## **Chapter 5 Findings & Suggestions**

### **Findings:**

- Be able to complete a job or assignment given by the employer well and successfully.
- During the training period, I was exposed to an environment that is professional in identifying the tasks of workers. From there, I can see how a programmer may play a role.
- All the staff have their own duties in carrying out the tasks listed. This situation has helped me to work smoothly and always ask when I'm in trouble. If I encounter any problems in the work done, other staff will also be able to assist me as well as provide valuable and helpful guidance for me because their willingness to share experiences and knowledge. Additionally, I always try to assist all staff and ensure that all work is done smoothly and in order.

### **Suggestions:**

- Companies or firms also play an important role in providing students with guidance on what's appropriate with the courses learned by students. Hence the firm should also provide any form of reward on the work done by them. With the rewards or the effective guidance from the firm itself can inspire the spirit of the student and can also attract them rto the field.
- The company should avoid giving different directions to students. This is because students will feel confused when getting different instructions from different staff. The mistakes in the assignment can be avoided if the company provides correct and accurate instructions.

## **Chapter 6 Conclusion**

- After undergoing 6 weeks of industrial training at Sumago InfoTech pvt.ltd. There is a lot of new knowledge that can be learned and we get to understand altogether on how this firm plays an important role in industrial field, especially in Quantity Surveying. Exposure that have been given to us by Sumago InfoTech pvt.ltd staff about the working and technical aspect is a very meaningful knowledge to us in order to prepare ourselves before stepping into the real work environment on the upcoming days.
- I hope with the implication of the Industrial Training, there will be no more anomalous feelings when the students started working after they have finished their course later. The staffs at Sumago InfoTech pvt.ltd are very helpful and friendly. They gave us a lot of exposure on the terms of reference and procedures related to the process of our work. Other than that, the exposure visiting the other Sumago InfoTech pvt.ltd, meeting atmosphere and so on also give a useful knowledge to us. Exposures that were given to us at this firm can provide the picture on a real-life situation, the task and responsibility that would be carried by some people on the field.
- Lastly, student's involvement in industrial training like this can prove and further strengthen student's identity in undergoing training in technical field, in the same time making Polytechnic as practical platform of education. Apart from that, the format report that needs to be done by students after undergoing industrial training also can train each of the students in preparing technical report that is complete, compact and in a right order that can be made as an important knowledge when they face a real situation later. This is fit with the Polytechnic objective that is to produce a workforce that is high in quality and partially professional in this country.

# References

- <a href="https://www.geeksforgeeks.org/">https://www.geeksforgeeks.org/</a>
- https://www.javatpoint.com/
- https://www.w3schools.com/