SIES (NERUL) COLLEGE OF ARTS SCIENCE AND COMMERCE

NAAC ACCREDITED 'A' GRADE COLLEGE

(ISO 9001:2015 CERTIFIED INSTITUTION)

NERUL, NAVI MUMBAI – 400706

DEPARTMENT OF COMPUTER SCIENCE

INTERNSHIP REPORT ON

WEB DEVELOPMENT

SUBMITTED TO,

UNIVERSITY OF MUMBAI

BY

NEHA CHAUHAN

MASTER OF SCIENCE

COMPUTER SCIENCE

PART - II (SEMESTER - IV)

(2020-2021)

START DATE: 4th March 2021

END DATE: 4th June 2021

SIES (NERUL) COLLEGE OF ARTS SCIENCE AND COMMERCE

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Certificate

NERUL, NAVI MUMBAI - 400706

THIS IS TO CERTIFY THAT

NEHA CHAUHAN

_____

HAS UNDERTAKEN AN INTERNSHIP IN

INFOBYTES SOLUTIONS

_____

Seat No: _____

In partial fulfilment of MSc - CS Degree Semester _____IV_____ examination

in the academic year ___2020-21___. It is further certified that he/she has completed 500 hours of the Internship.

Project Guide   External Examiner

Head of Department   Principal

Acknowledgement

I am grateful to Infobytes Solutions for recruiting me as an intern.

I express my professional gratitude and deep regards to Mr. Nilesh Sawardekar ,co-founder for his co-ordinal support ,valuable information, inspiration which strengthened my confidence during my internship program and his precious guidance which were extremely valuable for my professional front as well as for my study.

I am quite grateful for this opportunity , Throughout the internship, I learned web development (PHP Laravel framework), which increased my interest in web development. I consider myself as a very lucky individual as I was provided with an opportunity to be a part of a team.

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Title

In Infobytes Solutions, I am working as a PHP Developer Intern and using Laravel Framework I am working on CRM Web Application as well as on System Testing.

As a member of Development Team, I was tasked with designing and developing their various live static and dynamic websites CRM Web Application ,Billing Website.

Description of the organisation

Infobytes Solutions

Infobytes Solutions

Infobytes Solutions - IT / Technology Services of housing society management software(s-society), hotel management software (s-hotel) & visitor management software(s-visitor) since 2009 in Mumbai, Maharashtra.

High Performance –

Our all the applications are hosted on high server. Desktop billing softwares are most secured one.

Enhance Security –
Security is our main goal. You can find user wise authentication in our software.

Spam Guard –
Spamming is not possible in our desktop software. Our online softwares also regularly checked for spams.

Unbeatable Support –
We have 24x7 Support team to help you.

Our Main Services

Android App Development:

From concept to development, Infobytes Solutions the entire app development cycle, no matter how diverse or complex your needs are. Our ability to meet your needs stem from our team of experts, who have years of experience in global app solution services and product engineering industries.

Website Development:

In Order To Achieve Best Results from Your Website We Deploy the Following Process -

- Understand your products and customers and design the layout and color schemes.
- Use the best content management system to update contents periodically.
- Optimize the website to increase the visibility to major search engines and get it ranked ahead of your competitors.
- Host the site in a professionally managed cloud server with appropriate traffic handling capability.
- Write the content for easy understanding and clarity.
- Continuously monitor the results and provide feedback through maintenance services.

Hotel and Lodging Software:

Based on various research and development, Infobytes Solutions has come up with multi-dimensional Hotel CMS. It manages Hotels details, Categories, Hotel facilities, room facilities, costing, taxes, PAX limits, Hotel mapping, and new hotel addition, UI page complete settings. The settings for UI includes the editable fields for about us, contact us, image galleries and similar listings. Here the customers can search for hotels according to his favorite destinations, check the complete packages with special offers and send queries for different hotel packages for relevant details.

City App:

- Your City Your App
- Your Primary Mobile Communication Channel
- Your Application Your Custom Design
- Broadcast & Individual
- Integrated With Your Systems

Housing Society Software:

Best and Easy Housing Society Management Software –
- Different dashboard for different type of members and roles.
- Visitor's Management integrated with housing society software.
- Housekeeping Management.
- One click maintenance calculation.
- Manage Multiple type of vouchers like Journal, Contra, Payment, Receipt etc.
- Balance sheet.
- Complaint and Request Management.
- Sending notification.
- Manage task and Auto task.
- Loads of features in low amount.

Billing Software :

Billing Software which uniquely developed for your any business type.

- Easiest Software
- Outstanding and Sales Report
- Any Size Invoice making

TECHNOLOGIES USED

Php :
- PHP is an open source, server-side, scripting language used for the development of web applications
- It is a powerful tool for making dynamic and interactive web pages, that is embedded in html.
- It is integrated with a number of popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server.
- It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites.
- PHP supports a large number of major protocols such as POP3, IMAP, and LDAP. PHP4 added support for Java and distributed object architectures (COM and CORBA), making n-tier development a possibility for the first time.

Laravel Framework :
- Laravel is an open-source PHP framework, which follows a model-view-controller design pattern.(MVC)
- Laravel offers a rich set of functionalities which incorporates the basic features of PHP frameworks which will boost the speed of web development.
- It's a web framework that handles many things such as routing, templating HTML, and authentication.
- Composer is a tool which includes all the dependencies and libraries. It allows a user to create a project with respect to the Laravel framework
- Command line interface used in Laravel is called Artisan. It includes a set of commands which assists in building a web application.

JavaScript :
- JavaScript is a lightweight, interpreted programming language.
- It is a scripting language used to create and control dynamic website content.
- It is used on both the end i.e on the client-side and server-side that allows you to make web pages interactive.
- It is a high-level, interpreted language with object-oriented capabilities.

MySQL :
- MySQL is a relational database management system based on SQL – Structured Query Language.
- The application is used for a wide range of purposes, including data warehousing, e-commerce, and logging applications.
- The most common use for mySQL however, is for the purpose of a web database.

HTML5 :
- Html Stands for Hyper Text Markup Language
- HTML is used to create electronic documents (called pages) that are displayed on the World Wide Web.
- It describes the structure of Web pages using markup.HTML elements are the building blocks of HTML pages.HTML elements are represented by tags .HTML tags label pieces of content such as "heading", "paragraph", "table", and so on.

CSS :
- CSS is the language for describing the presentation of Web pages, including colors, layout, and fonts.
- It allows one to adapt the presentation to different types of devices, such as large screens, small screens, or printers.
- CSS is independent of HTML and can be used with any XML-based markup language.

Description about the activities done by the section where the intern has worked

During my period on internship I was given to work on Front-end and back-end of the website.

Following are the challenges that I overcame during my internship period :

- Used PHP to develop responsive web pages.
- Used HTML5 and CSS for designing modern web layouts.
- Used JavaScript to handle events and forms validation.
- Learnt Laravel Framework.
- Used MySQL for the database purpose

Description of work allotted and actually done by the intern
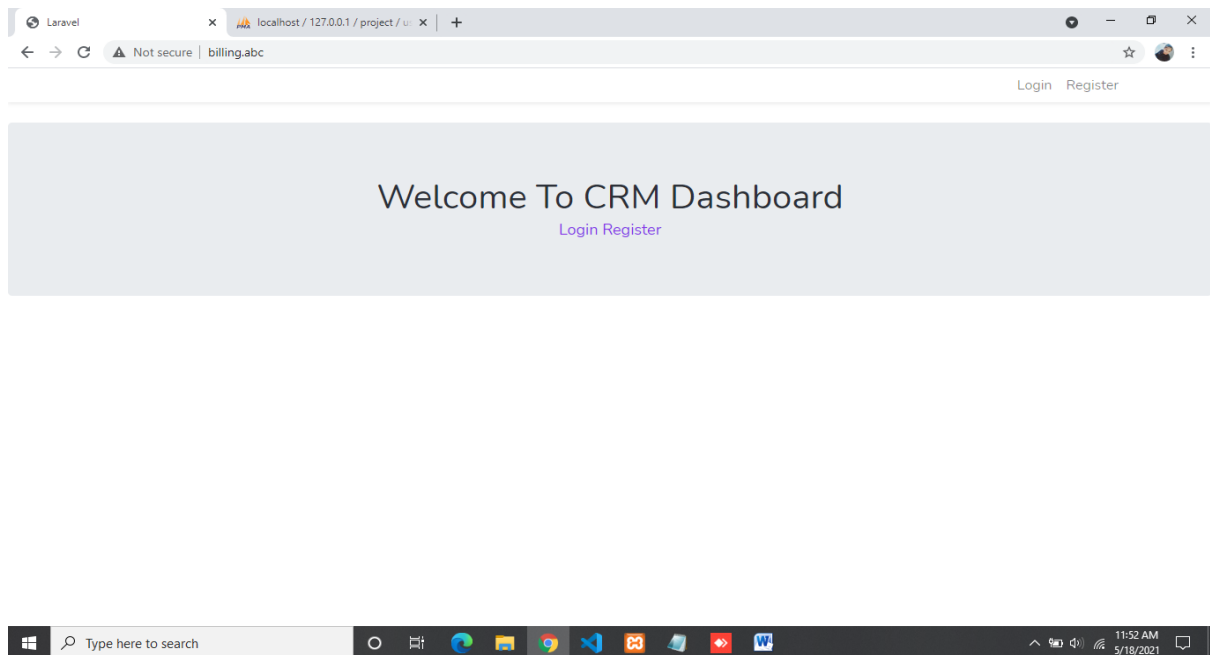
WEEKLY PROGRESS

Week 1 and Week 2:

- ✓ Created Contact us form test using plain php with database for skill testing.
- ✓ Learnt PHP Laravel Framework from Youtube Tutorial named Laravel from scratch Traversy Media.
  Link: https://youtu.be/EU7PRmCpx-0
- ✓ Completed Setup i.e. Composer ,Git, Node.js, Visual Code and xampp.
- ✓ Installed Laravel Extensions in Visual Code.
- ✓ Learnt to make local hosts for the Projects.
- ✓ Following the tutorials we learnt to make Controllers ,models and migration of the tables and Connecting them to the route.
- ✓ Designed basic multiple pages such as Registered page, Login page ,Navigation bar dashboard ,blogs and forms(used for taking input).
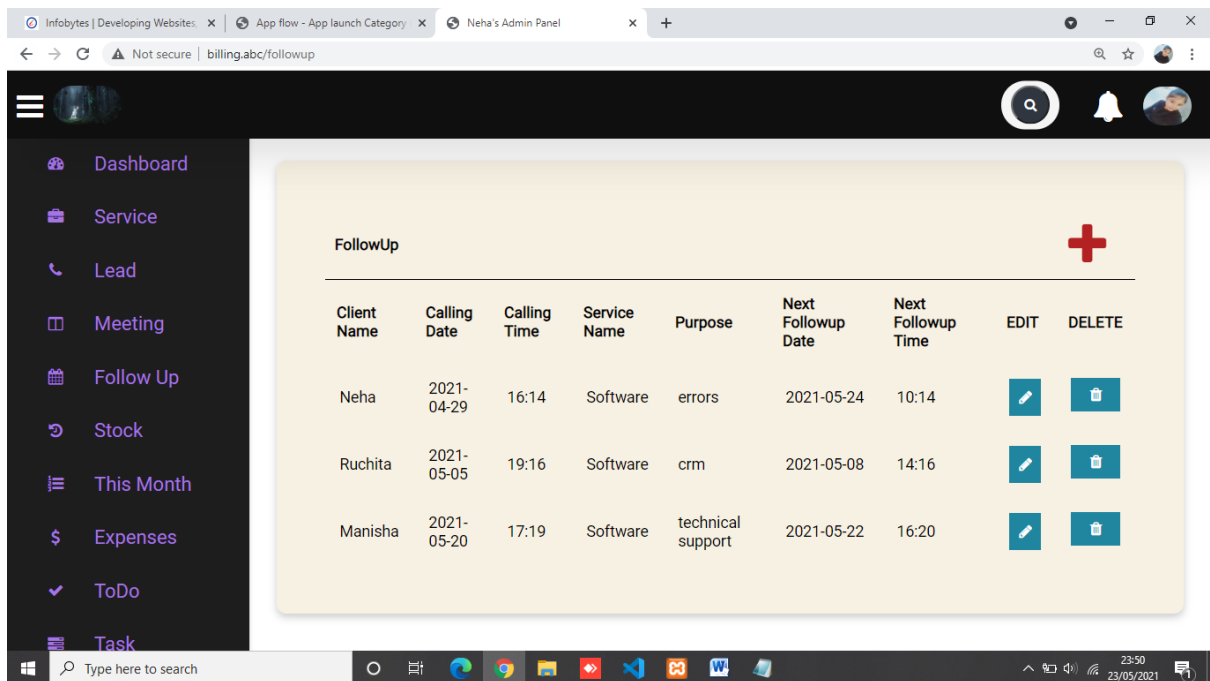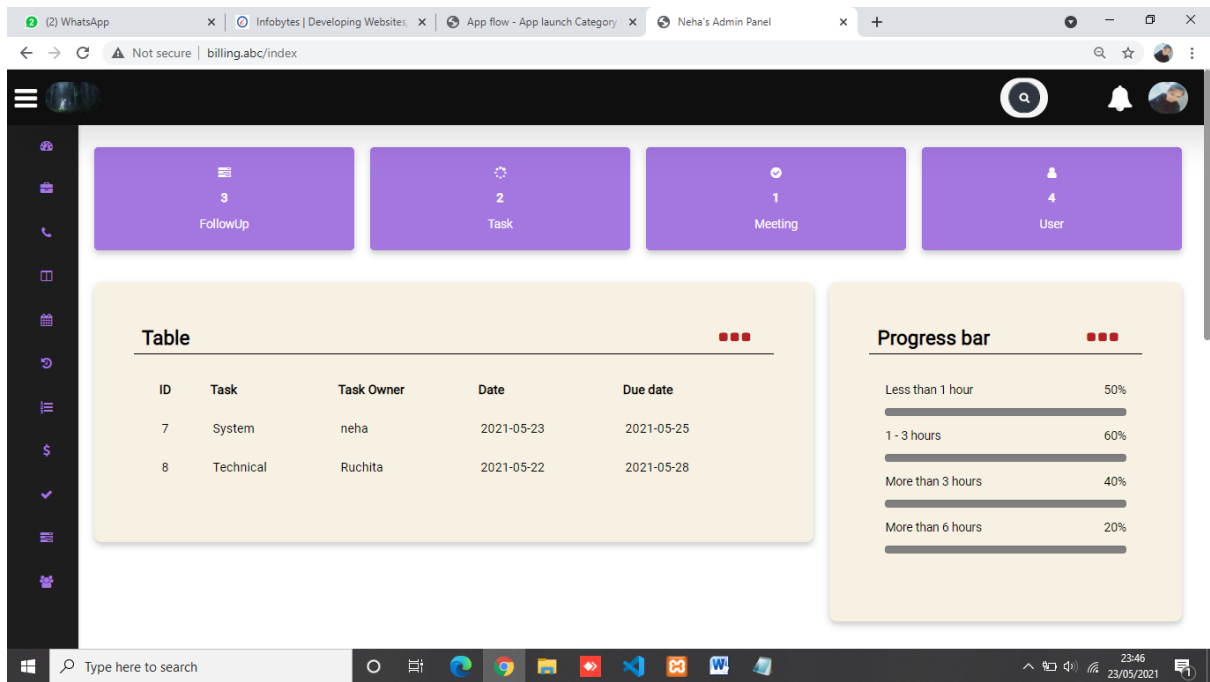- ✓ Connected above pages with the database, where we fetch id and title for blogs.

Week 3 and Week 4:

- ✓ Developed the Insurance form for carchakra.com website.
- ✓ While working on Insurance form I learnt to create cascading dropdown list that fetched the id from the database.
- ✓ Performed Functional Testing for carchakra.com website.
- ✓ Performed CRUD Operation on carchakra.com
- ✓ Designed Template for carchakra.com

Week 5 and Week 6:

- ✓ Designed Login ,Logout and Registered Page for CRM Web Application.
- ✓ Designed Admin Panel for CRM web application.
- ✓ While working on admin panel I learnt to create Cards ,Wrapper ,Sidebar ,Notification and Charts.
- ✓ Designed FollowUp modules of CRM.
- ✓ Connected FollowUp modules and dashboard with the database
- ✓ In FollowUp module I have created 3 pages
  - FollowUpClient page: takes the input and save the data.
  - FollowUpEdit page: edit the input and update the data.
  - FollowUp: display the data on admin panel from the database.
- ✓ Performed the CRUD Operation on FollowUp module.
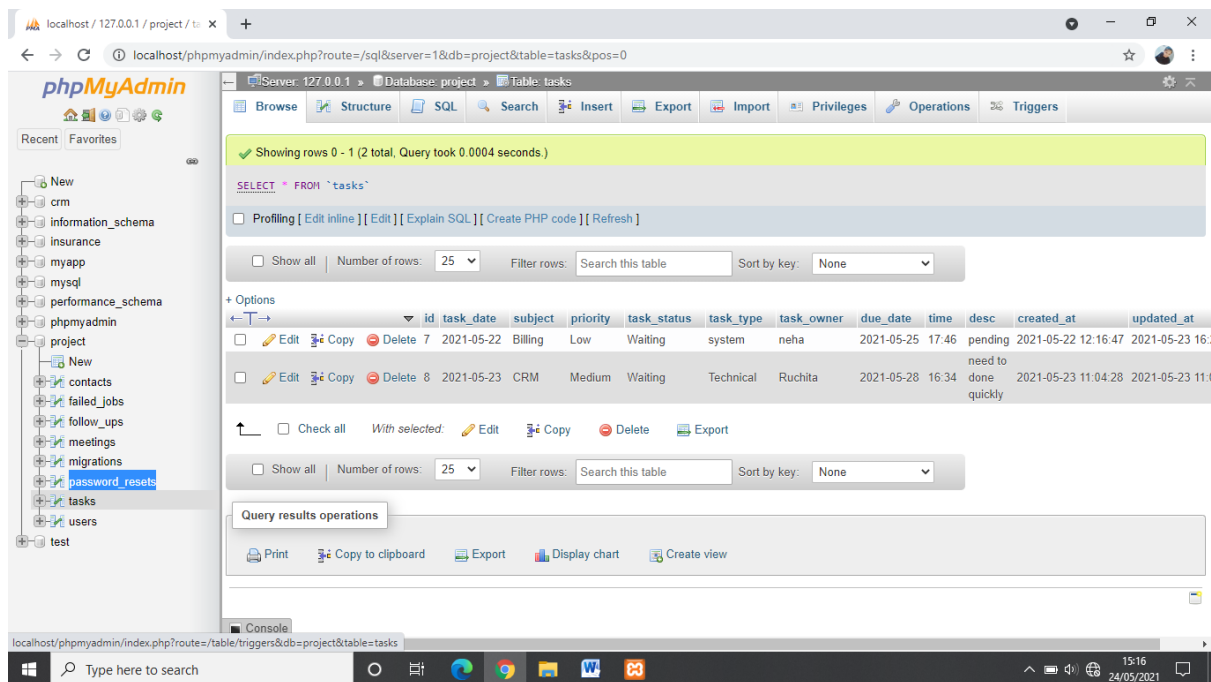- ✓ Display the total counts of FollowUp data in the admin panel

3 FollowUp	2 Task	1 Meeting	4 User

Table ⚫⚫⚫

ID	Task	Task Owner	Date	Due date
7	System	neha	2021-05-23	2021-05-25
8	Technical	Ruchita	2021-05-22	2021-05-28

Progress bar ⚫⚫⚫

Less than 1 hour	50%
1 - 3 hours	60%
More than 3 hours	40%
More than 6 hours	20%

- 🎨 Dashboard
- 💼 Service
- 📞 Lead
- 📖 Meeting
- 📅 Follow Up
- 🔄 Stock
- 📋 This Month
- 💲 Expenses
- ✔ ToDo
- 📋 Task

FollowUp ➕

Client Name	Calling Date	Calling Time	Service Name	Purpose	Next Followup Date	Next Followup Time	EDIT	DELETE
Neha	2021-04-29	16:14	Software	errors	2021-05-24	10:14	✏	🗑
Ruchita	2021-05-05	19:16	Software	crm	2021-05-08	14:16	✏	🗑
Manisha	2021-05-20	17:19	Software	technical support	2021-05-22	16:20	✏	🗑

Week 7 and Week 8:

- ✓ Designed Task module and Meeting module of CRM Web Application.
- ✓ In task module I have designed 3 pages: task page, task_lead page and task_edit page.
- ✓ In Meeting module I have designed 3 pages : meeting page, meeting_info page and meeting_edit page.
- ✓ While working on this modules I learnt to create simple toggle button and Add/Remove Textbox by clicking on button.

Task

Task Date

dd/mm/yyyy

Subject

Priority

Select

Task Status

Select

Task Type

Task Owner

Due Date

dd/mm/yyyy

Time

--:--

Description

Submit

Cancel

Edit page

Task Date

22/05/2021

Subject

Billing

Priority

Select

Task Status

Select

Task Type

system

Task Owner

neha

Due Date

25/05/2021

Time

17:46

Description

Update

Cancel

Week 9 and Week 10:

- ✓ Connected Task and Meeting module to the database.
- ✓ Performed CRUD operation on Task modules.
- ✓ Display total count of Task module on the admin panel.
- ✓ Performed CRUD Operation on Meeting modules and display the total count of meeting module on admin panel.
- ✓ Performed functional testing on zvehicles.com.au based on both Roles(User and Admin).
- ✓ Performed CRUD operation on zvehicles.com.au as User as well as Admin.

Task

ID	Task Date	Subject	Priority	Task Status	Task Type	Task Owner	Due Date	Time	Description	EDIT	DELETE
7	2021-05-22	Billing	Low	Waiting	system	neha	2021-05-25	17:46	pending	✏️	🗑️
8	2021-05-23	CRM	Medium	Waiting	Technical	Ruchita	2021-05-28	16:34	need to done quickly	✏️	🗑️

Meeting

Name	Location	Purpose	All Day	From	To	Joinee	Detailed Information	EDIT	DELETE
neha chauhan	kamothe	meeeting	active	2021-05-04	2021-05-04	2021-05-04	working	✏️	🗑️

Week 11:

- ✓ Studied entire working of Billing Software of Infobytes Solutions.
- ✓ Working on designing and developing static website for Billing Software.
- ✓ While working on the home page of Billing website I learnt learnt to create Prompting Dialog Box that is used to display the signup form for trial of Billing Software.
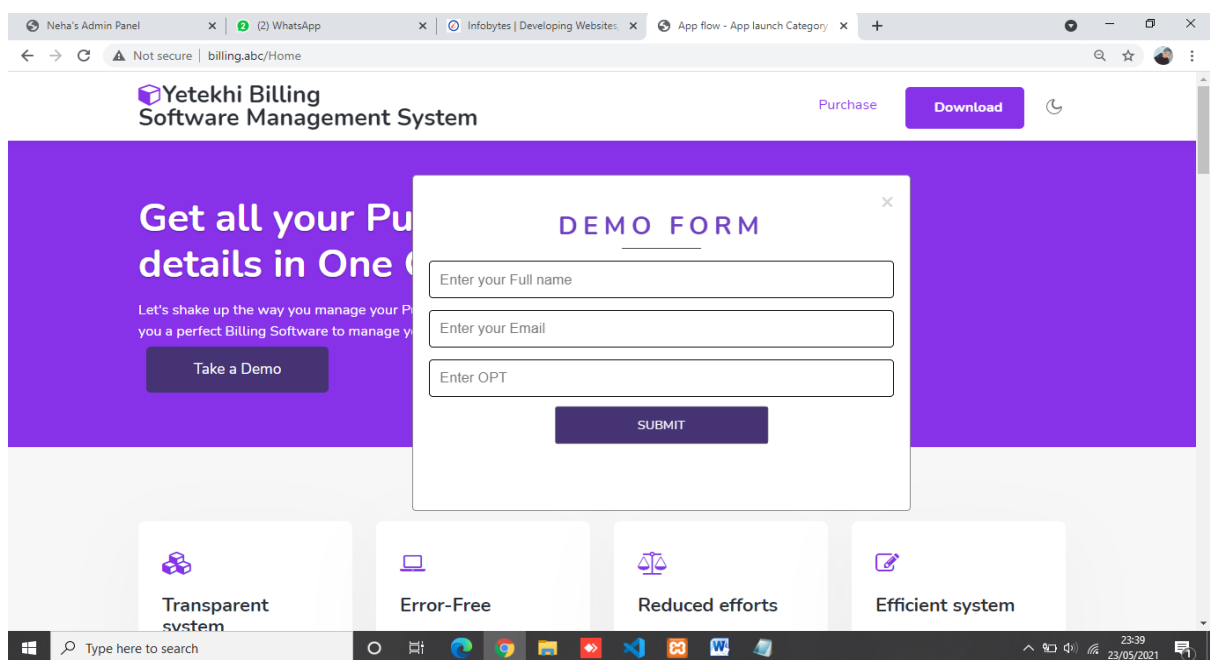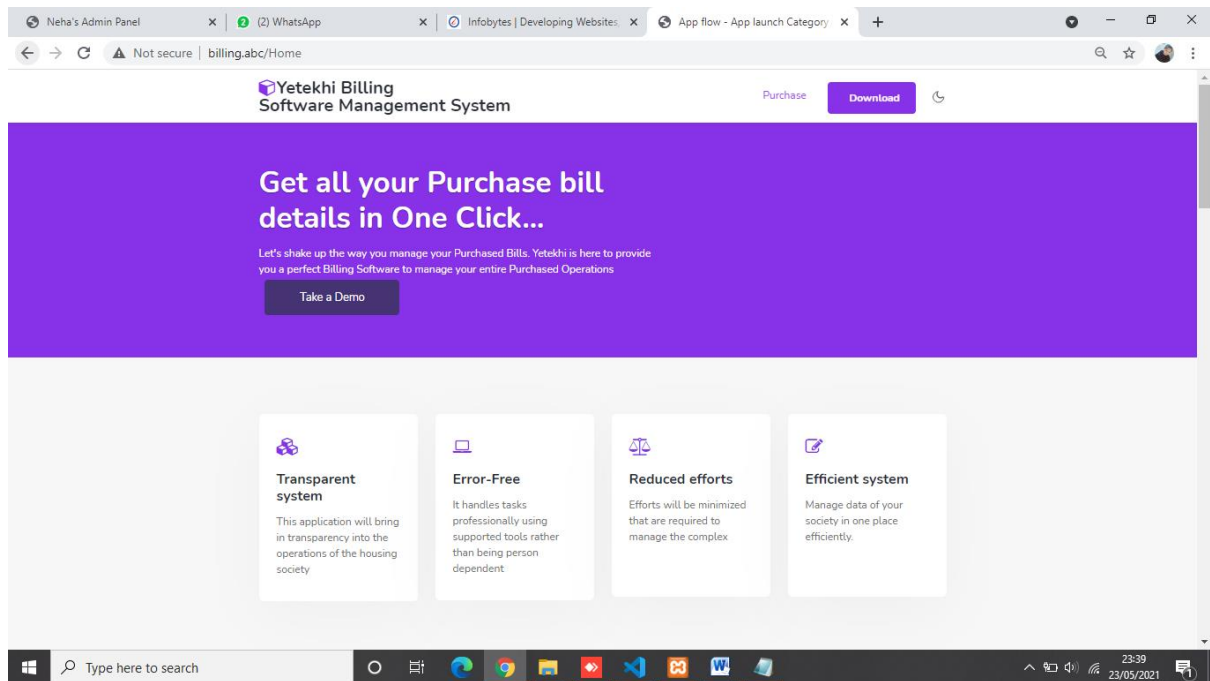
Self-Assessment

This internship programme is extremely beneficial to me because I've always wanted to become a developer, but after joining this internship, I've learned a lot about programming and have the opportunity to learn the Laravel framework.

During this internship, I not only learned programming, but I also worked on many stages of system development, such as learning about the client's requirements and do software research using the internet. This method has always had a positive impact on self-learning and I have been able to accomplish something on my own.

In this internship, I learned how to detect error that helps me to rectify the error by conducting research inside the code, and here I also learned software development, i personally did not do it but as my boss always approached me to understand the code and work with it.

In this internship, I learned how to work in a professional front and with a team, as well as how to manage my time and work hard to attain my goals and the experience that I got here is very useful for my future.

i am very thankfully Mr. Nilesh Sawardekar, Head of Infobytes Solutions, to whom I reported all of my work. He is constantly there to answer my questions and guides me with so many resources that I am unaware of.