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P P SAVANI UNIVERSITY

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A Training Report

Submitted to partial fulfilment of the requirements

For the award of the degree of

Bachelor of Technology

In

Information Technology

By

Patel Divy Hemantkumar

Under the supervision of

Ms. EKTA PATEL

APRIL 2025

P P SAVANI SCHOOL OF ENGINEERING

P P SAVANI UNIVERSITY

NH NO.: 8, VILLAGE: DHAMDOD, TA. MANGROL, NEAR KOSAMBA, SURAT - 394 125. (GUJARAT).

CERTIFICATE





PPSU
P P SAVANI UNIVERSITY

School of
Engineering

NH No.: 8, Village: Dhamdod, Ta. Mangrol, Near Kosamba, Surat – 394 125. (GUJARAT).

Certificate

*This is to certify that Mr. Patel Divy Hemantkumar having Enrollment No.: **21SE02IT041**, a student of P P Savani School of Engineering has successfully completed Training under mentorship of Ms. Ekta Patel during **1st December, 2024 to 31st March, 2025.***

During his Training duration, his performance was Excellence.

Signature :



Name of Company Personal : Mr. Raj

Date: 04 / 04 / 2025



CERTIFICATE

This is to certify that the Project/Training Report submitted by **PATEL DIVY HEMANTKUMAR (21SE02IT041)** to the **P P SAVANI UNIVERSITY** for the partial fulfilment of the Degree of Bachelor of Technology in Information Technology.

This is to further certify that I have been supervising the Project/Training **SEIT4930** of **PATEL DIVY HEMANTKUMAR (21SE02IT041)**.

The contents of this report, in full or in parts, have not been submitted to any other Institute or University for award of any degree, diploma or titles.

Date:

Ms. Ekta Patel

ACKNOWLEDGMENT

It is indeed with a great pleasure and immense sense of gratitude that I acknowledge the help of these individuals. I am highly indebted to our Dean **Dr. Niraj Shah**, Dean, School of Engineering, P P Savani University, for the facilities provided to accomplish this Final year internship. I feel elated in manifesting my sense of gratitude to my faculty mentor **Ms. Ekta Patel** & industry mentor **Mr. Raj**. Both have been a constant source of inspiration for me, and I am very deeply thankful to them for their support and valuable advice.

I am extremely grateful to my Industrial mentor and Institute mentor for their extreme help throughout my internship. Finally, I thanks to all my friends who helped me in successful completion of this Internship.

Name of Student: **PATEL DIVY HEMANTKUMAR**

Enrollment No: **21SE02IT041**

ABSTRACT

The **House Renting System** is a web-based platform developed using PHP and MySQL that streamlines the process of renting properties online. It is designed to bridge the gap between property owners and tenants by providing a convenient and user-friendly interface for managing rental listings, viewing available properties, and facilitating communication between landlords and renters. The system aims to eliminate the traditional hassles associated with house hunting by bringing the entire process to a digital platform, ensuring accessibility and efficiency for all users.

The platform allows landlords or property agents to register and list their properties with detailed descriptions, images, rent prices, and location information. Tenants can browse available houses based on various filters such as location, price range, and type of property. Each listing contains detailed property information along with an option to directly contact the owner or agent through an integrated messaging system. The system also features user registration, login authentication, and role-based access to distinguish between admin, agent, and tenant functionalities.

From the admin perspective, the system includes tools to manage user accounts, verify property listings, and monitor site activity, ensuring the integrity and smooth functioning of the platform. Security and data management are handled through robust backend validation and secure database operations. Overall, this PHP-based House Renting System simplifies the rental process, enhances property visibility for landlords, and provides a faster, more organized way for tenants to find suitable housing.

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Chapter 1

Overview of Company

1.1 *Company Details*

It is my pleasure to provide you with an update on the progress in my company Axone Infotech India, where I have been working since Dec 1, 2024. Over the past years, our company has made significant strides in delivering exceptional solutions to our clients, all while fostering a dynamic and supportive work environment for our employees.

Our company was founded in 2017 with the principle of delivering innovative solutions that are tailored to our clients' unique needs and objectives. With a wealth of experience and expertise in the latest technologies and trends, we are committed to providing the highest level of service and support to our clients.

We pride ourselves on our ability to solve complex problems and deliver exceptional results. Whether it's developing custom software solutions, creating mobile apps, providing web design and development services, we work closely with our clients to ensure that their needs are met and their expectations are exceeded.

- **Company's Vision:**
Our vision is to be the leading provider of innovative technology solutions that drive growth and success for businesses worldwide. We strive to be at the forefront of emerging technologies, and to deliver exceptional value and service to our clients.
- **Company's Mission:**
Our mission is to provide innovative technology solutions that enable businesses to thrive in today's fast-paced and ever-changing world. We are committed to delivering exceptional service and support, and to building long-term partnerships based on trust and mutual success.

1.2 Company Personal Contact Details

Table 1.2 Company Details

Company Name	Axone Infotech India
Mentor Name	Mr. Raj
Company Website	Axoneit.com
Name of Contact Person	Mr. Raj
Contact No	+91 9265487501
Email	hr@AxoneIT.com
Scale	Medium
Company Type	Multi-national Company
Address	623-624, Laxmi Enclave-2, Katargam, Surat, Gujarat, India

1.3 Core work area & related details

Axone Infotech India as a technology company, we specialize in various technologies such as .NET, Java, PHP, Laravel, Android, IOS, Angular, Flutter, NodeJs and Codeignitor. We work on these technologies for both in-house and client projects.

We specialize in developing custom software solutions tailored to our clients' unique needs and objectives.

We create visually stunning and highly functional websites that are optimized for performance and user experience.

Our team of experienced developers creates custom mobile apps that are optimized for performance and user experience.

We provide ERP development services to help businesses streamline their operations, and improve decision-making.

We offer comprehensive database administration services to help customer's databases efficiently and effectively.

Our commitment to quality and innovation drives us to stay up-to-date with the latest technological advancements and continuously improve our skills. We believe in developing long-term relationships with our clients by delivering reliable, scalable, and robust solutions that meet their business needs.

In conclusion, we are a technology company that specializes in various technologies such as NET, Java, PHP, Laravel, Android, IOS, Angular, Flutter, NodeJs and Codeignitor. We create to both in-house and client projects, delivering exceptional results with our team of expert

1.4 Skill requirements for Employment in Company

Skills may vary based on different positions of job role.

For Frontend Web Developer,

- Proficiency in HTML, CSS, and JavaScript.
- Experience in Java, Laravel, PHP, Codeignitor.
- Understanding of Angular framework fundamentals.
- Knowledge of .NET.
- Experience with DBA for project setup and management.
- Ability to work with RESTful APIs and services.
- Strong understanding of Angular concepts like modules, components, directives, and services.
- Knowledge of reactive programming and observables using RxJS and NodeJS.
- Experience with Angular Material or other UI component libraries.
- Proficiency in debugging and troubleshooting IOS & Andriod applications.
- Ability to optimize application performance and understand bundling and lazy loading concepts.
- Awareness of accessibility standards and best practices for web development.
- Better communication skills to handle clients.

Chapter 2

Introduction of Training & Project

2.1 Project/Training Details

Internship started from 4th December, 2023 and the duration was of 4 months. Started expending knowledge of frontend development with learning Angular and Type Script and was Assigned to the live project.

- **1st Month**
 1. Introduction to Basic Languages.
 2. Classes of Communication skills.
- **2nd Month**
 1. Continuation of Communication skills.
 2. Assigned small tasks to improve coding skills.
- **3rd Month**
 1. Overview of the project
 2. Assigned Task of creating Website
- **4th month**
 1. Completed Website with small tasks assigned

2.2 Scope of Training / Project

Training in a company plays a crucial role in the personal and professional development of employees or interns. It provides hands-on exposure to real-time projects, work environments, and industry-standard tools and practices. For students or fresh graduates, company training serves as a bridge between academic knowledge and practical implementation. Through this training, individuals gain insights into team collaboration, code versioning (using tools like Git), debugging, testing, and deployment processes. It also improves problem-solving skills and teaches how to manage tasks within deadlines. The overall goal of such training is to build industry-ready professionals who are confident and capable of contributing effectively to projects and organizational goals.

Learning PHP and MySQL as part of company training offers a strong foundation in web development. PHP is a widely-used server-side scripting language known for its simplicity, flexibility, and integration with HTML, while MySQL is a powerful and efficient relational database management system. Together, they form a robust stack for developing dynamic and data-driven websites. During the training, individuals learn to build CRUD (Create, Read, Update, Delete) operations, user authentication systems, form handling, and connect PHP scripts to a MySQL database. They also gain practical experience in designing database schemas, writing optimized SQL queries, and securing web applications against threats such as SQL injection. By the end of the training, learners are equipped to develop full-fledged web applications and understand how back-end development integrates with front-end design.

2.3 Tools & Technology used



2.3.1 VS Code

VS Code is a lightweight source code editor developed by Microsoft. It's highly extensible through plugins and supports a variety of programming languages. It's popular among developers for its ease of use and versatility.



2.3.2 PHP

PHP is a popular open-source server-side scripting language used primarily for web development to create dynamic and interactive web pages.



2.3.3 PhpMyadmin

phpMyAdmin is a free web-based tool written in PHP that allows users to manage MySQL databases through a graphical interface.



2.3.4 XAMPP

XAMPP is a cross-platform software package that provides an easy-to-install Apache server with PHP, MySQL, and other tools for local web development and testing.

2.4 Project Details:

A House Renting System is an online platform that connects property owners and prospective tenants, simplifying the rental process. It allows landlords to list properties with detailed descriptions, photos, and pricing, while tenants can search and filter options based on their preferences. The system facilitates seamless communication, booking, and secure transactions, enhancing convenience for both parties.

Front-End (Client-Side):

- Technologies Used:
 - HTML5, CSS3: For structuring and styling pages
 - JavaScript: For client-side interactivity
 - Bootstrap: For responsive and mobile-friendly design
- User Interfaces:
 - Home Page: Displays latest and featured listings
 - Login/Registration: Separate login for tenants, landlords/agents, and admin
 - Property Listings: Grid or list view with search filters (location, price, type)
 - Property Details Page: Shows full description, images, location map, and contact option
 - Contact/Message Form: Tenants can send inquiries to landlords/agents
 - Dashboard: Role-based dashboard for users to manage their data

Back-End (Server-Side):

- Technology Used: PHP
- Key Functionalities:
 - User Authentication and Role Management (Admin, Agent, Tenant)
 - Property Listing CRUD (Create, Read, Update, Delete) for agents/owners
 - Messaging system between tenants and landlords
 - Booking or rent request system (optional)
 - Admin controls for managing users and approving listings
 - File upload feature for property images
 - Form validations and input sanitization

Database (MySQL):

- Tables Example:
 - users – Stores user data and roles
 - properties – Stores rental and seller listings with images, description, location, etc.
 - admin – CRUD data is stored.
 - contact – Stores contact of users
 - payments – Stores payments
 - state – For dynamic filtering of cities/areas
 - feedback – Store feedbacks gave by users
 - about – Information about us and users
- Security:
 - Passwords stored using hashing (e.g., password_hash())
 - SQL injection prevention using prepared statements
 - Input validation and file type restrictions for uploads

Screenshots:



Fig 2.4.3.1 Home Page

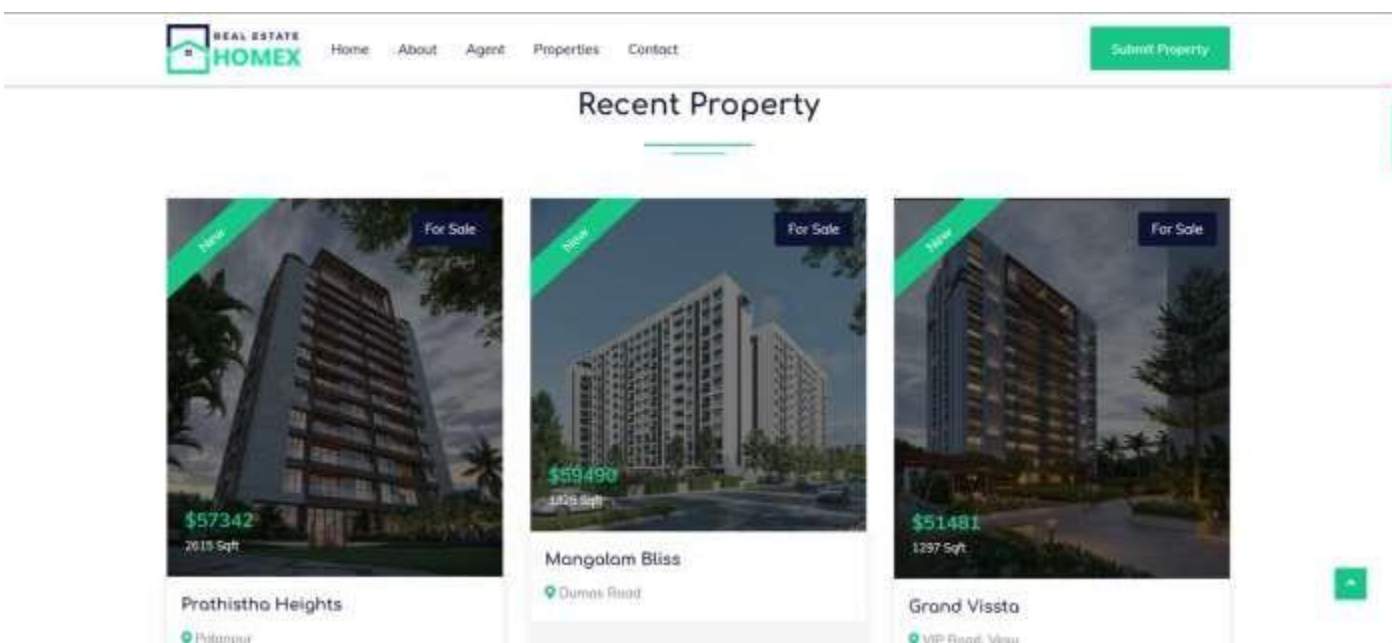


Fig 2.4.3.2 Home Page

REAL ESTATE
HOMEX

Home About Agent Properties Contact

Submit Property

Register

Access to our dashboard

Your Name*

Your Email*

Your Phone*

Your Password*

☒ User ☐ Agent ☐ Builder

User Image

Choose File No file chosen

Register

Fig 2.4.3.3 Login Page

REAL ESTATE
HOMEX

Home About Agent Properties Contact

Submit Property

Login





Access to our dashboard

Your Email*

Your Password*

Login

OR

Login with    

Don't have an account? Register

Fig 2.4.3.4 Register Page

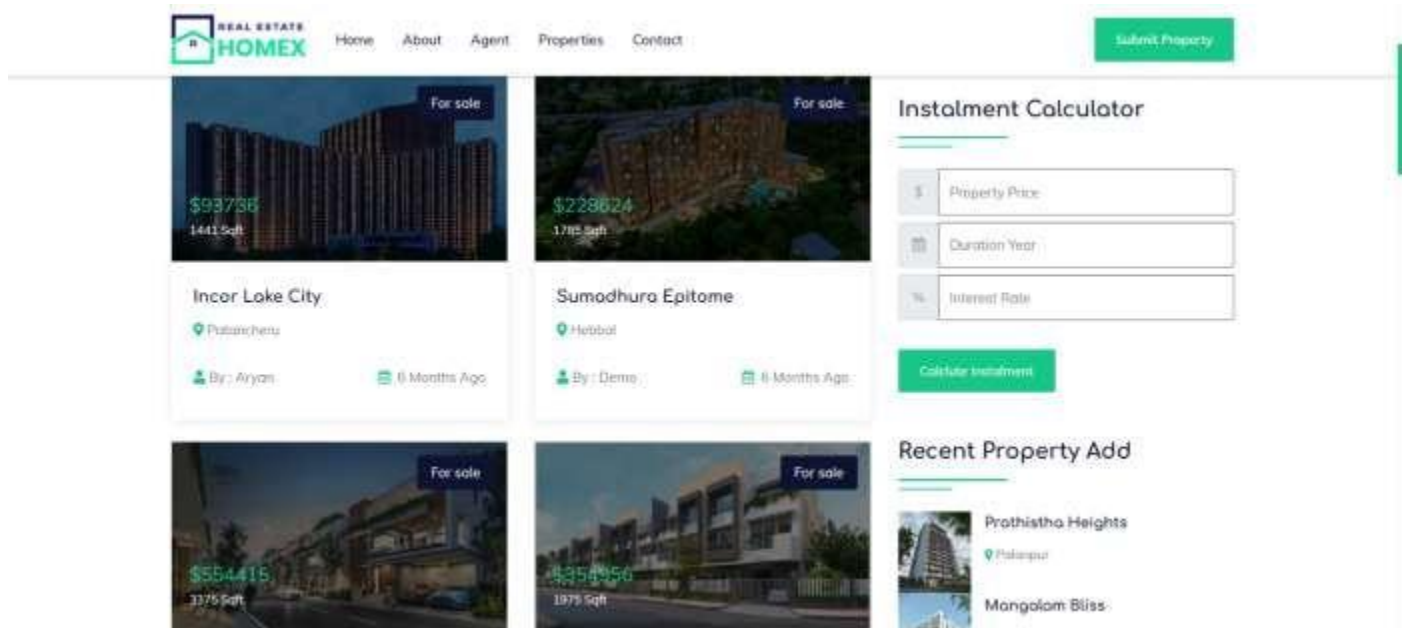


Fig 2.4.3.5 Property Page

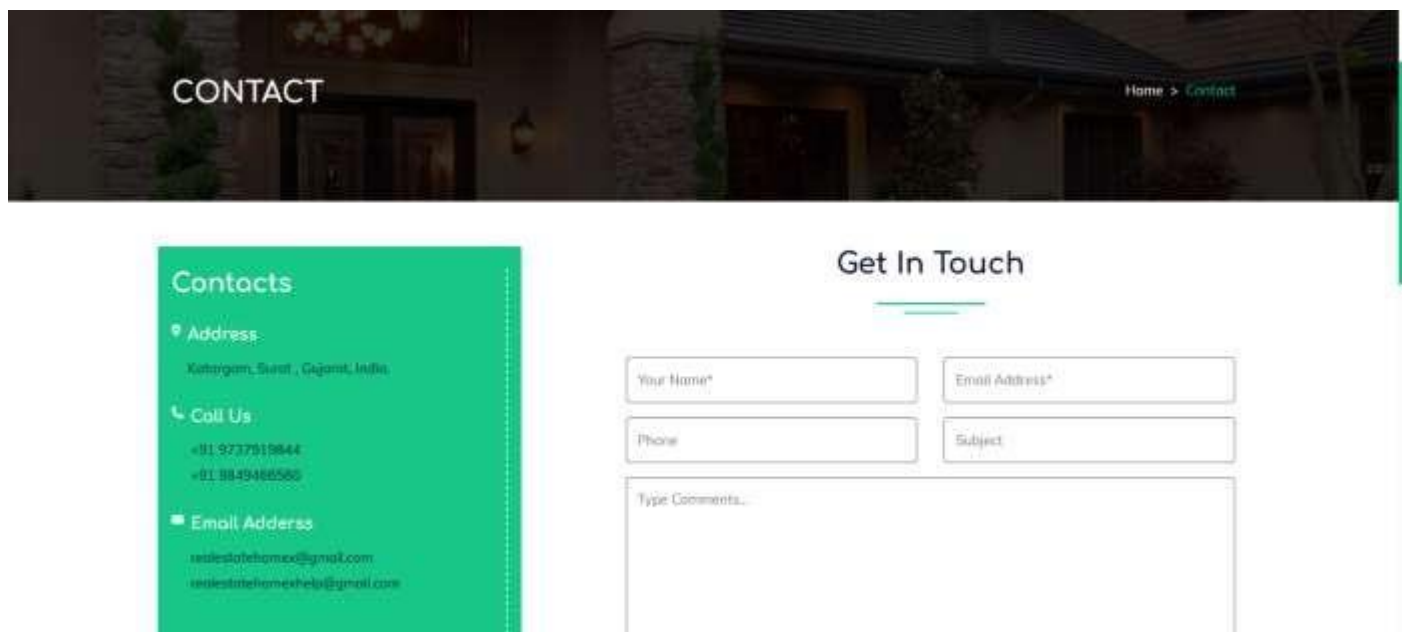


Fig 2.4.3.6 Contact Page

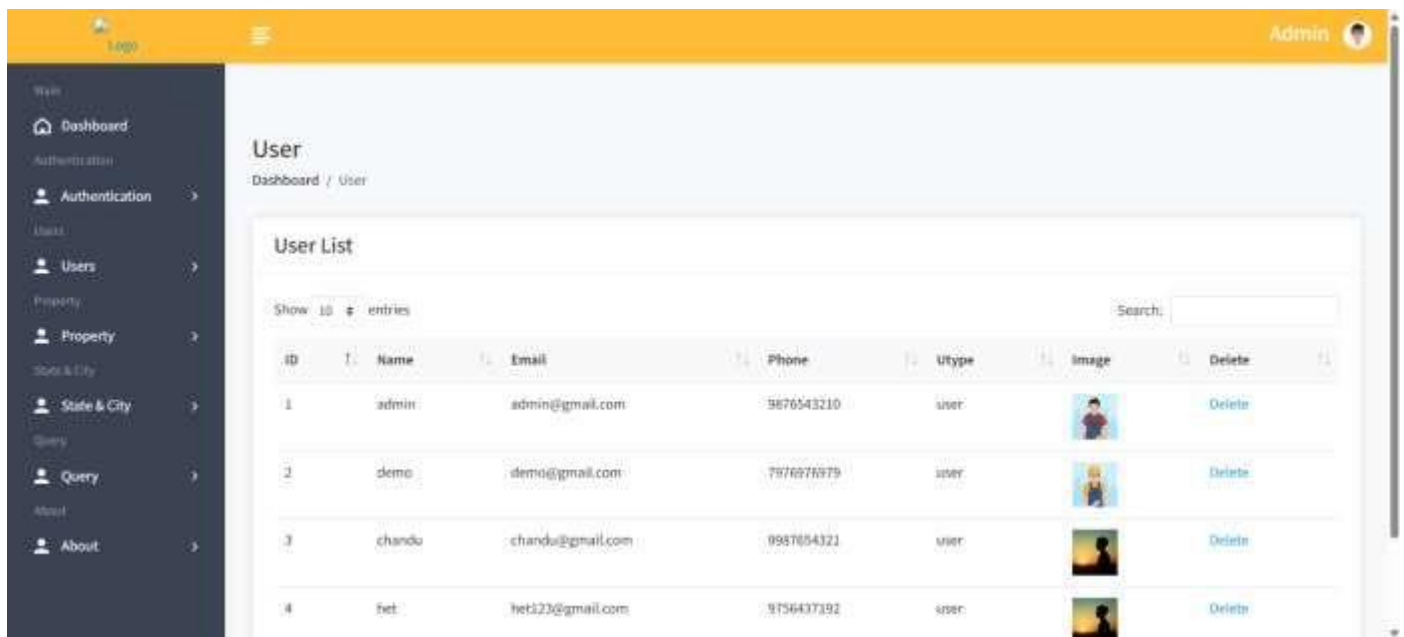


Fig 2.4.3.7 Admin Page

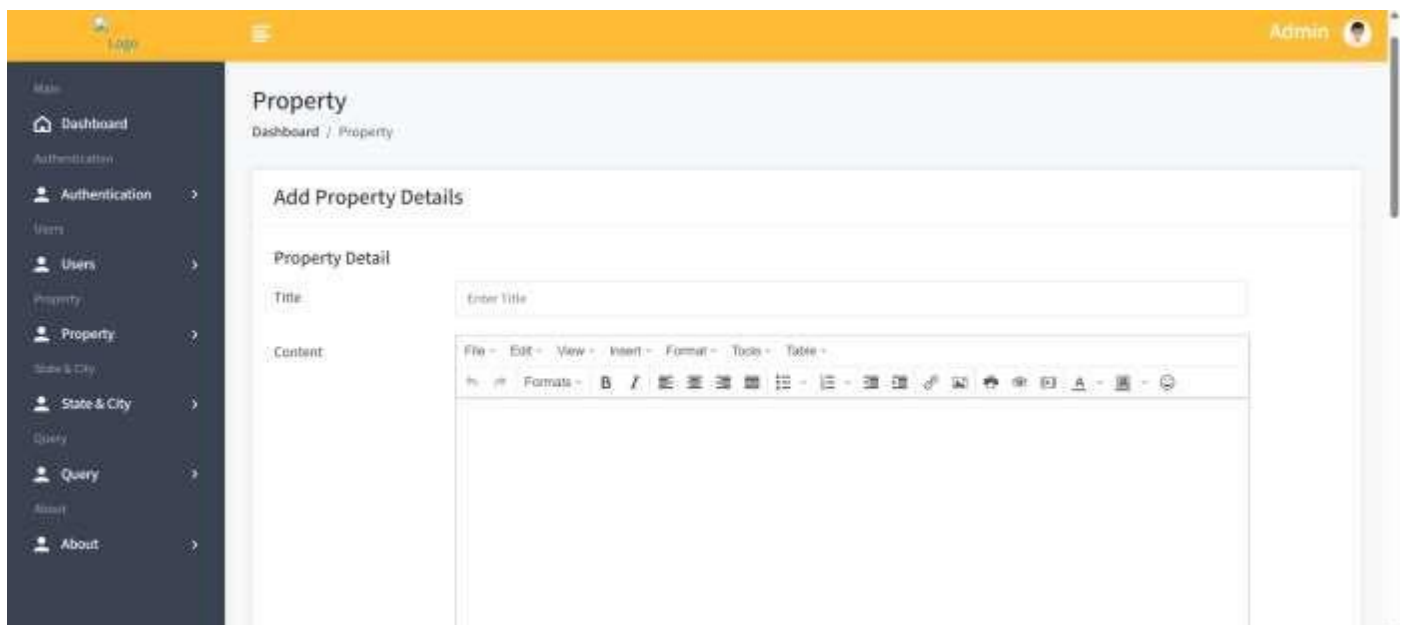


Fig 2.4.3.8 Admin Page

Chapter 3

Learning Outcomes

3.1 *Learning Outcomes*

During my 4-month internship as a full stack developer specializing in PHP and MySQL, I underwent significant growth in key areas. Initially, I focused on mastering PHP fundamentals, including components, directives, services, and dependency injection.

Learning full stack development with PHP and MySQL equips individuals with a solid foundation in both front-end and back-end web development. On the front-end, developers gain hands-on experience with HTML, CSS, JavaScript, and frameworks like Bootstrap, enabling them to build responsive and user-friendly interfaces. They learn how to structure web pages, style them effectively, and add interactive elements to enhance user experience. This skill set allows them to create the visual and interactive components of websites that users directly interact with.

On the back-end, learners master PHP as a powerful server-side scripting language used to handle business logic, form processing, session management, and database interactions. They also become proficient in MySQL, learning how to design databases, create and manage tables, perform CRUD operations, and write optimized SQL queries. Understanding how to connect PHP with MySQL helps learners build dynamic, data-driven applications that store and retrieve user data securely.

Additionally, full stack developers acquire valuable knowledge in user authentication, file uploads, admin dashboards, and role-based access control. They also learn to apply essential security practices, such as input validation, password hashing, and protection against SQL injection. By working on full projects like content management systems, e-commerce platforms, or house renting systems, learners develop project planning, debugging, and deployment skills, making them job-ready and capable of managing both client-side and server-side development independently.

3.2 Details of Reporting Schedule

Table 3.2 Reporting Schedule

Date	Reporting Details
28 Dec, 2024	1st Reporting Project title & Scope of work submission
11 Jan, 2025	2nd Reporting Showcase my work to Mentor
25 & 27 Jan, 2025	3rd Reporting (Online) Showcase and Presentation of my work progress (online)
8 Feb, 2025	1st Review of Project/Training Showcase my work to Experts
22 Feb, 2025	4th Reporting (Online) Showcase and Presentation of my work progress (online)
8 & 10Mar, 2025	2nd Review of Project/Training Showcase my work to Experts
29 Mar, 2025	5th Reporting Showcase my work to Mentor
5 Apr, 2025	Report Submission (Online) Project Report Submission (via Mail) to institute.
10 Apr, 2025	Evaluation by Company Personal (To be coordinated by Faculty Mentor)
15 Apr, 2025	Project Report Submission To Guide (2 Hard Copies)
21 Apr, 2025	Project Exam Final Presentation

Chapter 4

Concluding Remarks

- Internships are incredibly valuable for networking, gaining experience, and ultimately helping me to land that dream job in my chosen sector.
- Having to experience the dynamics of work in a startup company really appealed to me. The challenge would be greater, and I was very excited to have this opportunity.
- Personally, I can say that I have developed myself more during my internship.
- I am happy that I got the opportunity to learn about Full Stack Development Process in very short time and learn more with real time project.
- Thanks a ton, to university mentor and Organization mentor for made myself better via evaluating and appreciating me and my effort.