

Report of Internship at Sansrujan Information Technology

An Internship Report for

Course code and Course Title: CSA-652 - Industry Internship

Credits: 16

Submitted in partial fulfillment of Master's Degree (MCA)

for Semester IV

By

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Seat Number: 22P0320030

Roll Number: 2217

Under the Mentorship of

MR. SHOUNAK DESHPANDE, FOUNDER



Goa Business School: Dept of Computer Science

Goa University

Date: June 2024

Examined by:

Seal of the School

DECLARATION BY STUDENT

I hereby declare that the data presented in this Internship report entitled, “**Report of Internship at Sansrujan Information Technology**” is based on the results of investigations carried out by me in Sansrujan Information Technology, under the mentorship of Mr. **Shounak Deshpande** and the same has not been submitted elsewhere for the award of a degree or diploma by me. Further, I understand that Goa University or its authorities will not be responsible for the correctness of observations/experimental or other findings given the internship report/work.

I hereby authorize the University authorities to upload this dissertation on the dissertation repository or anywhere else as the UGC regulations demand and make it available to any one as needed.

Signature and Name of Student:

Roll no: 2217

Date:

Place: Goa University

COMPLETION CERTIFICATE

This is to certify that the internship report “**Report of Internship at Sansrujan Information Technology**” is a bonafide work carried out by **Ms. Manasi Makarand Athalye** under my mentorship in partial fulfillment of the requirements for the award of the degree of **Master of Computer Applications** in the Discipline of Computer Science at the Goa Business School/Department of Computer Science, Goa University.

Signature and Name of Mentor

(Mr. Shounak Deshpande)

Founder

Date:

Signature of Dean of School/HoD

School/Department Stamp

Date:

Place: Goa University

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SANSRUJAN
UDYAM-GA-02-0002739



To,
Manasi Athalye,
Goa Business School
Goa University
Goa.

Date: 15-Jan-2024

Offer of Internship

Dear Manasi, I hope this letter finds you well.

We take pleasure in inviting you to join the Sansrujan Information Technology as a intern at Hs. No 311/11(new) 677(old) Devlay Khandola Marcela Goa on following conditions:

1. **Designation & Location**
Software developer at our office address mentioned above.
2. **Date of joining:**
You are expected to join the office not later then 15th January 2024.
3. **Stipend**
We do not have a policy to pay a stipend to intern as of now.
4. **Period**
Your internship will be of six months starting from 15 Jan 2024 to 15 June 2024
5. **Leaves**
You are allowed to take 10 leaves in the given period which includes personal & sick leaves. Any leave required for the work at the education institution Eg. Viva, internship presentation may not be counted in the leaves. However, you are required to inform and take permission before taking a leave.
6. **Work Time & Ethics**
 - You will be governed by the timings and the hours of work applicable to the company wherein you are posted and you may be called upon work as required. Current work timings are 10:00 am to 06:00 PM from Monday to Friday.
 - If any time during your internship you are found guilty of misconduct or any willful breach or continuous negligence of terms of this appointment letter or rules or misconduct of duties and ethics then you will given notice and may end up in termination of your internship with this company.

We once again welcome you at Sansrujan Information Technology and look forward for your contribution in growing business and your industrial skills.

I have read and understood the offer letter and happy to join and be a part of the Sansrujan Information Technology .

Best wishes,

Sign of intern: Manasi Athalye

Date: 15 January 2024

Place: Marcela - Goa

SANSRUJAN INFORMATION TECHNOLOGY

PROPRIETOR

Shounak S Deshpande
Founder
Sansrujan Information Technology



TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Manasi M. Athalye, student of Masters of Computer Applications (MCA) of Goa University, Goa is currently undergoing her final semester – Industry Internship (Semester IV) at our company, Sansrujan Information Technology from 15th January till 15th June 2024.

During her tenure she has met the expectations of her team lead and found to be regular and sincere.

This certificate has been issued on her request to be submitted with the Internship report at Goa University.

Yours Sincerely,

SANSRUJAN INFORMATION TECHNOLOGY

(Mr. Shounak Deshpande)

Founder

PROPRIETOR

SANSRUJAN INFORMATION TECHNOLOGY

Registered Office:

Hs no. 677 Devlay, Khandola, Marcel – Goa

<https://sansrujan.in/>

ACKNOWLEDGEMENT

First and foremost, I am sincerely grateful to Sansrujan Information Technology for providing me with the opportunity to undertake this valuable internship. I extend my deepest gratitude to Mr. Shounak Deshpande for his exceptional leadership and unwavering support throughout the duration of my internship. Working under his mentorship has been an immensely enriching experience, offering me not only practical skills but also profound professional insights. His dedication to fostering a collaborative and innovative environment has greatly contributed to my professional growth, shaping my understanding of the industry and helping me gain confidence.

I would also like to acknowledge the support and collaboration of my peers at Sansrujan Information Technology, whose teamwork and cooperation made this internship both productive and enjoyable.

I am also profoundly thankful to Goa Business School, Goa University, for granting me the opportunity to gain practical industry experience.

Special thanks are due to Mrs. Jyoti Pawar (Dean), Mr. Ramrao Wagh (Program Director, MCA), Mr. Hanumant Redkar (Assistant Professor, MCA), and the entire MCA faculty for their continuous support and encouragement.

I would also like to express my heartfelt appreciation to my internship guide from the university, Mr. Ramdas Karmali (Professor, MCA), for his invaluable guidance and support throughout this journey.

Additionally, I am deeply grateful to my parents and friends for their constant encouragement and understanding. Their unwavering support has been a pillar of strength throughout my academic and professional journey.

Thank you all for your support and encouragement.

EXECUTIVE SUMMARY

During my internship at Sansrujan Information Technology, I was engaged in a range of projects that provided me hands-on experience in backend development, website management and mobile application development. This report outlines my tasks, learning outcomes, and the challenges I encountered.

Organization Overview:

Sansrujan Information Technology is an innovative company specializing in IT solutions, including web and mobile application development. The company is committed to delivering high-quality software products and services, leveraging the latest technologies to meet client needs.

Tasks Handled:

1. Diwa-Goa: Child Development and Physical Awareness Centre:
 - ⇒ Backend Development: Created and managed several admin-dashboard sections, including Add Image, View Image, View-Queries, Workshop, and Banner sections. This involved setting up databases, writing PHP and JavaScript code, and ensuring integration with the frontend.
 - ⇒ Website Hosting and Bug Fixes: Hosted the website on Server, identified and fixed bugs, and added new pages to enhance site functionality and user experience.
2. Eventify Project:
 - ⇒ Created Software Requirement Specification document for project.
 - ⇒ Development of Vendor Back-office: Developed key components using Laravel, including sidebar, dashboard, forms for event and member management, manage events, manage members pages, events dashboard and many more modules. Implemented secure authentication middleware.

- ⇒ Feature Enhancement and Optimization: Integrated validation mechanisms, notification systems, and performed extensive testing to ensure reliability and performance.

3. Android React Native Project:

- ⇒ Mobile Application Development: Developed a mobile application using React Native for Android, focusing on user authentication, data synchronization with backend services, and creating an intuitive user interface.
- ⇒ Feature Implementation: Implemented navigation, state management, API integration, and handled user interactions to ensure a seamless experience.

Learning Outcomes:

- ⇒ Technical Skills: Gained proficiency in PHP, Laravel, and React Native. Learned to set up databases, develop backend functionalities, and create mobile applications.
- ⇒ Development Practices: Understood the importance of secure authentication, data validation, and optimization techniques. Enhanced skills in bug fixing, code integration, and version control using Git.
- ⇒ Project Management: Learned to handle multiple projects simultaneously, manage timelines, and collaborate effectively with team members.

Challenges Faced:

- ⇒ Bug Fixing and Debugging: Encountered and resolved various bugs and broken links during website hosting
- ⇒ Git Merge Conflicts: Faced multiple Git merge conflicts which required careful resolution to ensure code integrity and functionality.
- ⇒ Learning New Technologies: Adapting to new technologies such as Laravel and React Native presented a steep learning curve, requiring additional time and effort to master.

CHAPTER 1: ORGANISATION COMPANY



Name of the Company: Sansrujan Information Technology

Address: Marcel, Goa

Phone Number: +91 8262948825

Email: contact@sansrujan.in

Website: <https://sansrujan.in/>

1.1] Birds-eye-view:

Introduction: Sansrujan Information Technology was founded in 2019 by Shounak Deshpande. The company focuses on making technology accessible to everyone. Located in Marcel, Goa, Sansrujan Information Technology serves clients worldwide, turning innovative ideas into excellent digital solutions.

Mission and Vision: Sansrujan Information Technology aims to turn "Imagination Into Reality" by offering a variety of services and solutions tailored to meet the unique needs of its clients. The company is committed to delivering high-quality, innovative technology solutions and has become a trusted partner for businesses in various industries.

1.2] Products/Services:

Sansrujan Information Technology offers a comprehensive range of services, including;

- Android Mobile App Development: Creating user-friendly mobile applications for Android devices.
- Web Application Development: Building dynamic web applications that improve user engagement and business efficiency.
- Website Building: Designing and developing attractive and functional websites.
- Graphic and Product Design: Creating stunning graphics and innovative product designs.
- UI/UX Design: Ensuring seamless and engaging user interactions through user experience and interface design.
- IT Support and Consultancy: Offering expert IT support and consultancy services to enhance business operations.
- Marketing Products and Services: Developing effective marketing strategies to promote products and services.
- Building Brands on LinkedIn: Increasing brand presence and visibility on LinkedIn through targeted strategies.

1.3] Sections within the Organization

Team and Expertise: The team at Sansrujan Information Technology is made up of professionals who excel in their fields. Their expertise includes mobile app development, website creation, graphic design, and IT consultancy, ensuring every project is handled with precision and creativity.

Notable Achievements:

- **Client Success:** The company has worked with over 50 clients from various sectors, including retailers and multinational corporations. They have successfully completed projects such as inventory management systems, e-commerce platforms, logistics systems, portfolio websites, and content management systems (CMS).
- **Industry Recognition:** Founder Shounak Deshpande was appointed as a visiting faculty for the year 2023, highlighting his significant contributions to technology and education.

Conclusion:

Under Shounak Deshpande's leadership, Sansrujan Information Technology has quickly grown to become a leader in innovative technology solutions. By turning imaginative ideas into reality, the company continues to make advanced technology accessible and beneficial to businesses and individuals worldwide.

Contact Information:

For more information about Sansrujan Information Technology and its services, visit the company website at <https://sansrujan.in/>.

CHAPTER 2: TASKS HANDLED

2.1] DIWA-GOA: CHILD DEVELOPMENT AND PHYSICAL AWARENESS CENTRE

Timeline: January 15, 2024 - February 20, 2024

Technologies used: PHP, phpMyAdmin, HTML, JS, jQuery, cPanel, FileZilla, Git

2.1.1] Learning Backend Development using PHP:

- Setting Up the Environment:
 - Installed and configured a local server environment using XAMPP to run PHP scripts and manage MySQL databases with phpMyAdmin.
 - Set up a new database for practice and familiarization with database operations.
- PHP Basics:
 - Studied PHP syntax, data types, and control structures.
 - Practiced writing PHP scripts for basic operations like form handling, data validation, and session management.
- Database Operations:
 - Learned to connect PHP scripts to the MySQL database.
 - Performed CRUD (Create, Read, Update, Delete) operations through PHP scripts.
 - Practiced writing SQL queries and integrating them within PHP for dynamic web applications.
- phpMyAdmin Usage:
 - Used phpMyAdmin to visualize and manage database tables and data.
 - Practiced importing and exporting databases, and running SQL queries directly in phpMyAdmin.

2.1.2] Backoffice for Admin (Backend Development):

a. Add Image Section:

- Created a new named diwa-goia with a table 'images'.
- Developed a PHP script for image upload functionality, including file validation and storage.
- Integrated the upload feature into the admin dashboard with a user-friendly interface using JavaScript for real-time feedback.
- Ensured that the uploaded images are displayed on the homepage by modifying the frontend HTML and CSS.

b. View Image Section:

- Created a PHP script to fetch image data from the 'images' table.
- Developed a list view in the admin dashboard where images are displayed with options to view them in full size.
- Added functionality to delete images directly from the admin panel, updating the database accordingly.

c. View-Queries Section:

- Created a new table 'queries' in the diwa-goia database to store contact form submissions.
- Developed a PHP script to display these queries in the admin dashboard.
- Provided functionality to mark queries as handled and delete them, ensuring the list remains current and manageable.

d. Add Banner Section:

- Created a form in the admin dashboard for uploading new banner images.
- Developed the backend functionality to store uploaded banner images in the 'banners' table.
- Ensured seamless integration with the existing slideshow feature on the homepage, allowing newly added banners to appear in the rotation.

- Implemented options to preview and delete banners, maintaining the flexibility for admins to manage homepage content effectively.

e. View Banner Section:

- Developed a section in the admin dashboard for viewing the list of banners stored in the 'banners' table.
- Created functionality to delete banners directly from the admin panel.
- Ensured the list view allowed admins to manage the appearance of banners on the homepage, maintaining a dynamic and engaging slideshow.

2.1.3] Frontend Enhancements:

- Gallery Page:
 - Utilized HTML and CSS to design a visually appealing layout for the gallery page.
 - Integrated the page with the backend to fetch and display images uploaded by admins, ensuring dynamic content updates.
- Workshop Page:
 - Designed the workshop page using HTML and CSS to ensure a user-friendly interface.
 - Connected the page to the backend to fetch and display workshop details added by admins, providing up-to-date information to users.
- Bug Fixes:
 - Fixed issues with broken links and HTML comment tags that interfered with page rendering.
 - Ensured that all elements were properly linked and displayed, improving the overall user experience.
- Responsive Design:
 - Implemented responsive design techniques using CSS media queries.
 - Tested the new pages and features on various devices to ensure proper display and functionality on both desktop and mobile platforms.
- Footer Section:
 - Added links to enhance navigation and accessibility, providing users with quick access to important sections of the website.

2.1.4] Website Hosting:

- cPanel Side:
 - Logged in to cPanel account.
 - Navigated to the “FTP Accounts” section.
 - Clicked on “Add FTP Account.”
 - Fill in the required details (username, password, directory, etc.).
 - Clicked “Create FTP Account” to set up FTP credentials.

- Connect FileZilla to cPanel:
 - Downloaded and install FileZilla on PC.
 - Opened FileZilla.
 - In the “Host” field, entered domain name of diwa-go.
 - Used cPanel login information (username and password) to log in.
 - Clicked “Quickconnect” to establish the connection
 - Uploaded all the local files on server under ‘public_html’ folder.

2.2| EVENTIFY WEB APP:

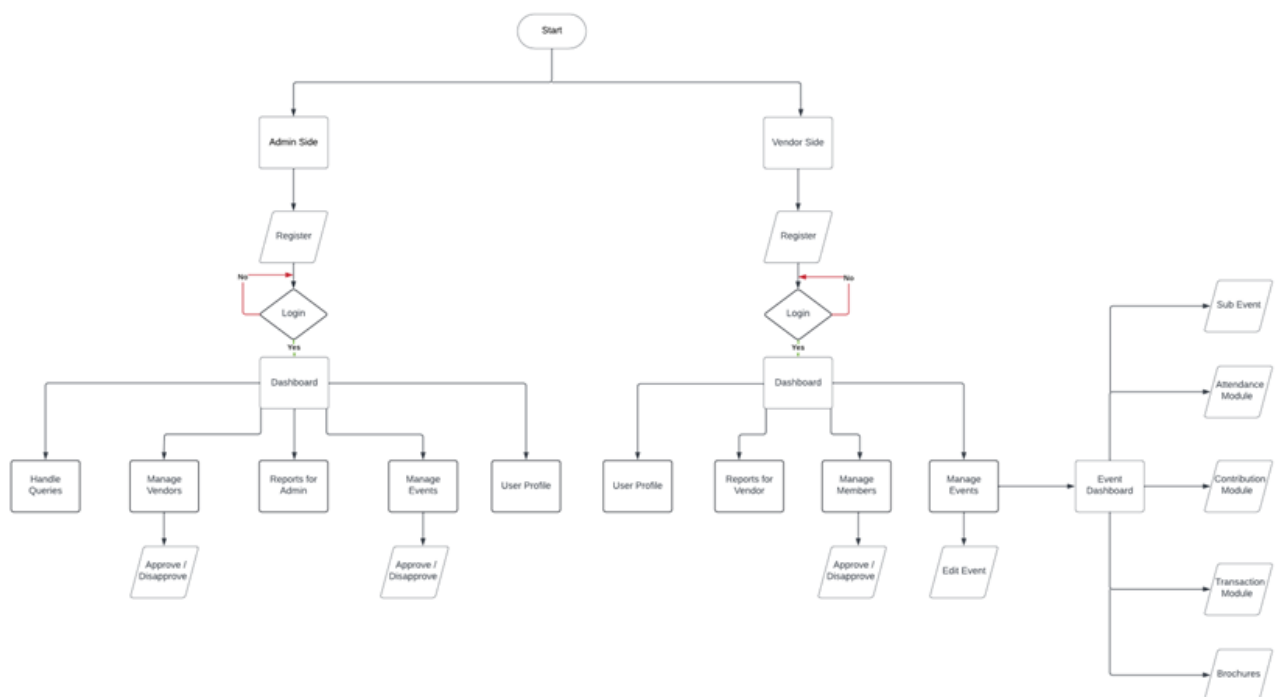
Timeline: February 5, 2024 to May 10, 2024

Technologies used: PHP, phpMyAdmin, Laravel, HTML, JS, jQuery, cPanel, FileZilla, Git

Introduction:

The Eventify web app was developed to provide vendors with a robust platform for managing and coordinating their events. The system includes functionalities such as event creation and scheduling, member registration, attendance tracking, contribution tracking, transaction tracking and generating reports etc. It aims to streamline the event management process by offering various features. This website enhances the ability of vendors to organize, supervise, and execute event planning efficiently.

Flowchart:



2.2.1] Software Specification Requirements Document (SRS):

- Created a report detailing the requirements and features for the Event Management System Website.
- Created a flow chart to refer while developing.
- Problem Statement was to design and develop an efficient Event Management System.
- Came up with Features like:
 - Event creation, management, and scheduling.
 - User registration and profiles.
 - Contribution tracking.
 - Attendance tracking.
- Created Use-cases:
 - Actors: Administrators, Vendors, Students, Volunteers of events, Sponsors.
 - Flow: Admin and vendor functionalities, including login, event creation, member management, and sponsor tracking.
- Database Tables: Detailed structure for users, vendors, members, events, sub-events, expenses, contributions, attendance, volunteers, sponsors, and banners.
- Suggestions and Add-ons: WhatsApp group creation, fund proof submission, public/private event options, and admin approval settings.

2.2.2] Vendor Back Office (Frontend & Backend):

a. Getting to know Laravel Framework:

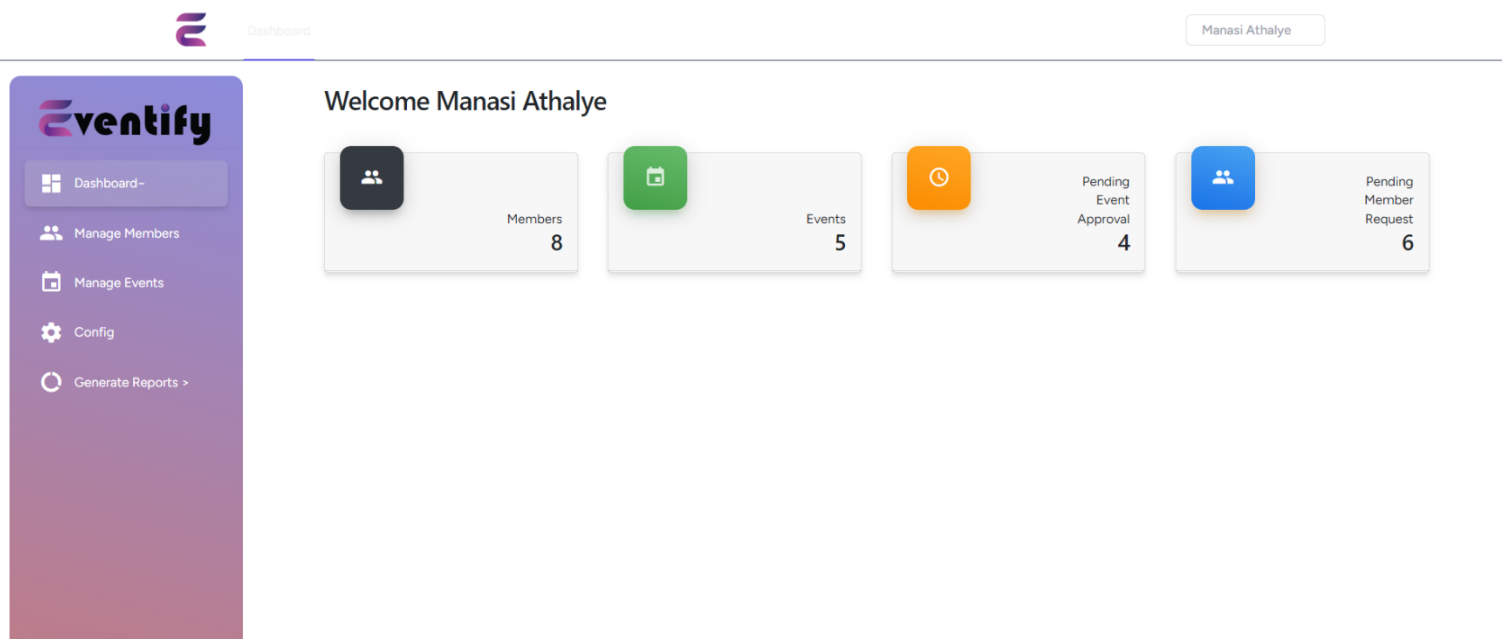
- Installation and Setup:
 - Installed Laravel on the development environment by following the official documentation. Set up a new Laravel project using Composer.
- Understanding MVC Architecture:
 - Studied Laravel's MVC (Model-View-Controller) architecture, understanding how it separates application logic, user interface, and database interactions.
- Routing:
 - Explored Laravel's routing system to define URL endpoints and connect them to corresponding controller actions. It was challenging at first.
- Controllers and Middleware:
 - Read about how middleware is used for request filtering and authentication.
- Database Integration:
 - Configured database settings in Laravel, learned about Eloquent ORM, and practiced creating and managing database migrations.
- Artisan CLI:
 - Used Laravel's Artisan command-line interface to perform common tasks like generating controllers, running migrations.
- Reading Documentation and Tutorials:
 - Referred to Laravel's official documentation and various tutorials to deepen understanding and resolve specific challenges.

b. Vendor Dashboard:

- Developed a dashboard that displays key metrics and statistics such as the number of events created, upcoming events, total participants, and participant requests status.
- Notification Panel: Added a notification panel to alert vendors of important updates, such as new member registrations, event registration.

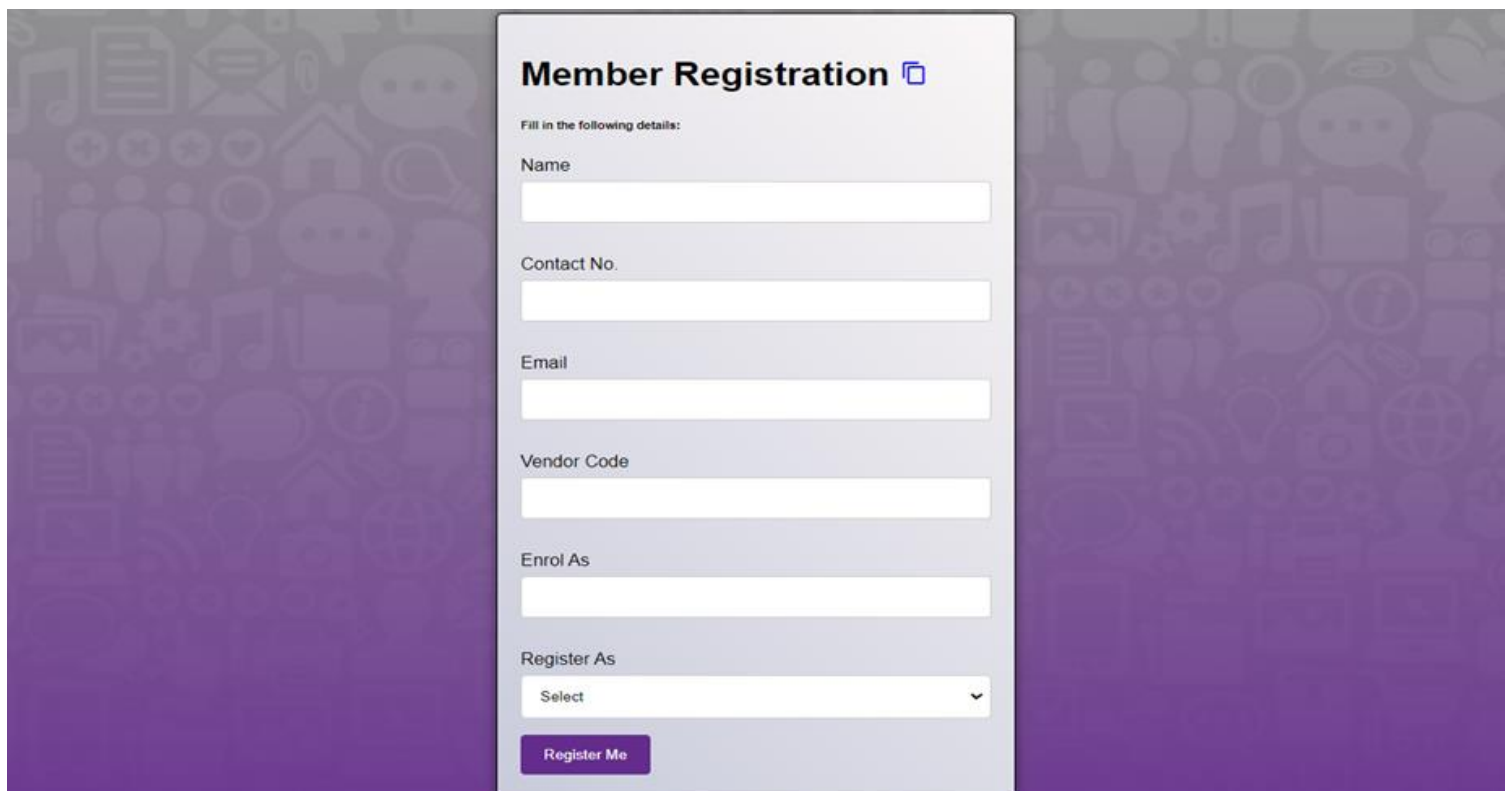
c. Vendor Sidebar:

- Designed a sidebar with quick access links to key sections like Dashboard, Manage Events, Manage Members, Reports and Profile Settings.



d. Member Registration Form with Validations:

- Created a registration form using Blade templates.
- Defined validation rules in the controller.
- Added error messages to the form to provide user feedback on validation failures. Used Laravel's built-in validation error handling to display these messages.
- Implemented the form submission logic in the controller. Validated incoming request data and stored valid data in the database table 'members'.
- Ensured the form is protected against cross-site request forgery (CSRF) attacks by including Laravel's CSRF token in the form.
- Thoroughly tested the form with various inputs to ensure that all validation rules are enforced and error messages are displayed correctly.

A screenshot of a web form titled "Member Registration" with a blue icon. The form is set against a purple background with a pattern of white icons. The form itself is white with a light blue border. It contains the following fields: "Name" (text input), "Contact No." (text input), "Email" (text input), "Vendor Code" (text input), "Enrol As" (text input), and "Register As" (a dropdown menu with "Select" as the current option). At the bottom of the form is a blue button labeled "Register Me". Above the "Name" field, it says "Fill in the following details:".

e. Event Registration Form with Validations:

- Created an event registration form using Blade templates.
- Defined validation rules in the controller.

- Implemented error message display to provide users with feedback on validation errors. Used Laravel's validation error handling to show appropriate messages.
 - Handled form submission in the controller. Validated the incoming data, and if valid, stored the event details in the database.
 - Included CSRF in the form to protect against cross-site request forgery attacks.
 - Conducted testing with various input scenarios to ensure all validation rules are correctly applied and that users receive appropriate feedback on errors.
- Manage Members Page:
 - Developed the Manage Members page using Blade templates, displaying a table with member details.
 - Implemented logic in the controller to fetch member data from the database table 'events' and pass it to the view.
 - Added functionality to edit member details. Created a separate form for editing, with fields pre-filled with the current member data. Applied validation rules.
 - Implemented search and filter functionality using datatables to help vendors quickly find specific members.


Dashboard

Manasi Athalye



Dashboard
Manage Members -
Manage Events
Config
Generate Reports >

Manage Members

MEMBER REGISTRATION

List of Members

Show 10 entries
Search:

ID	Name	Mobile	Email	Enrolled As	Edit	Approval
1	Samir Pai	9844444440	samir@gmail.com	Student		
3	Kirti Pai	4545454545	kirti@gmail.com			
5	Shrijay Gauns	9880980255	shrijay@gmail.com	Student		
6	Pratik Kamat	9965432176	pratik@gmail.com	Student		
7	Atmaram Tukaram Bhide	7765432133	bhide@gmail.com	Student		
8	Monica Geller	7765432190	monica@gmail.com	Student		
10	Ross Geller	8870943212	ross@dino.com	Palientologists		

- Manage Events Page:

- Designed the Manage Events page using Blade templates, displaying a list of events with key details such as name, date, venue, and status.
- Implemented logic in the controller to fetch event data from the database and pass it to the view.
- Added button to create new events and functionality to edit existing ones. Created forms for editing and defined validation rules for the same.
- Added search and filter functionality using datatables to help vendors quickly find specific events.

Dashboard

Manasi Athalye

Eventify

Dashboard

Manage Members

Manage Events-

Config

Generate Reports >

Manage Events

ADD NEW EVENT/ SUB-EVENT

List of Events

Show 10 entries

Search:

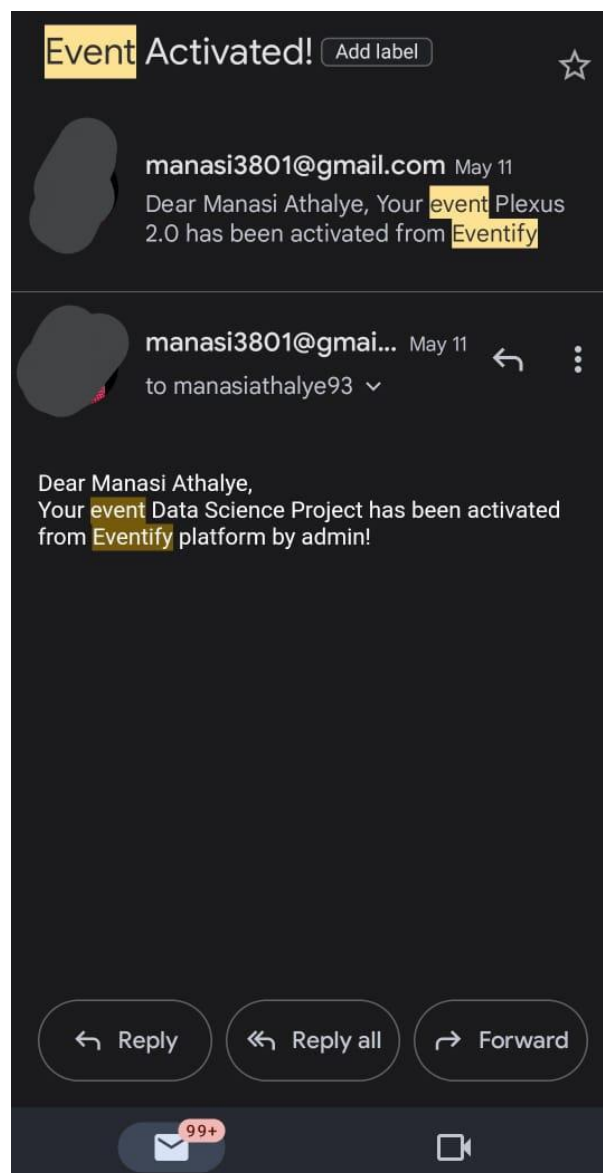
ID	Name	Type Of Event	Coordinator	Venue	Budget	Per Head Contribution	Due Date	One Day Event	From
6	Plexus 5.0	event	Shrijay Gauns	Shyama Prasad Stadium	700000	—	—	Yes	2024-0
8	Plateunica 2.0	event	Amay	Goa University	15000	—	—	Yes	2024-0
9	Data Science Project 1	projects	Swati Desai	Goa University	1500	—	2024-05-22	Yes	2024-0
10	Sansrujan Scrum	meeting	Nagesh Chari	Marcel, Goa	—	—	—	Yes	2024-0
11	Arena	event	Kedar Desai	Goa University	20000	200	—	Yes	2024-0
12	Dandiya	event	Kedar Desai	Goa University	20000	1000	—	Yes	2024-0

- Middleware for admin:

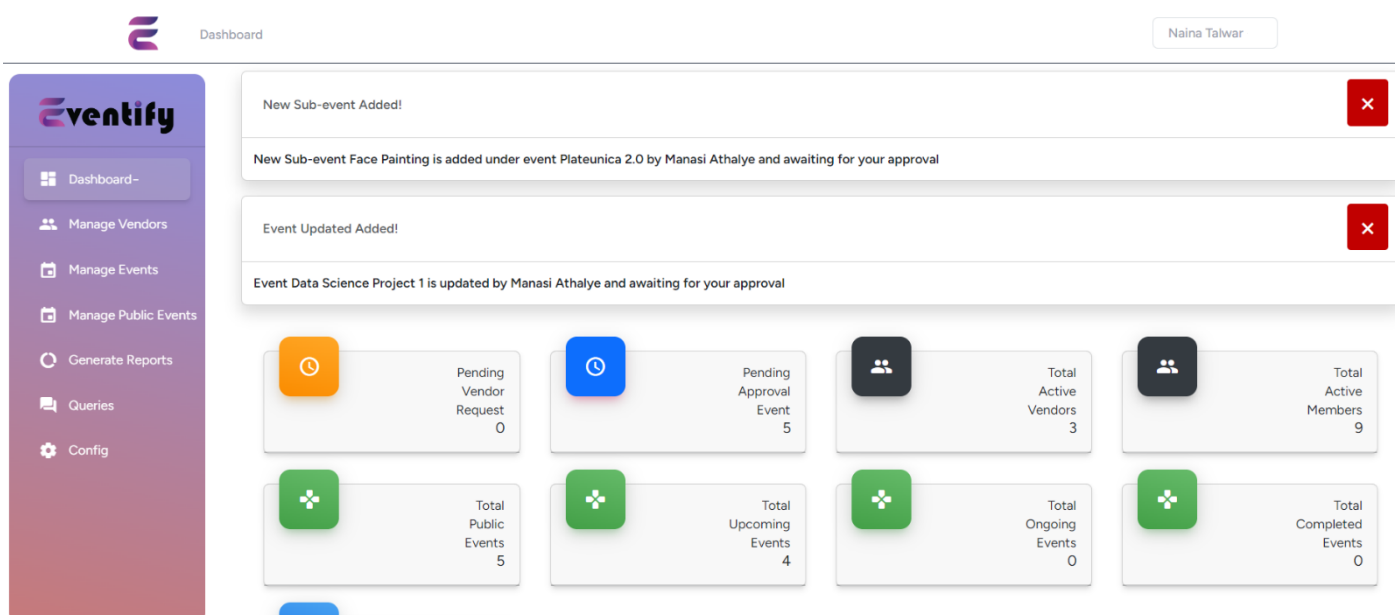
- Created a custom middleware using Laravel's Artisan command: `php artisan make:middleware AdminMiddleware`.
- Added logic within the middleware to check if the authenticated user has the admin role. Redirected unauthorized users to the login page with an error message.
- Applied the middleware to all the admin routes in `web.php` to ensure only users with admin privileges can access these routes.

- Conducted tests to verify that the middleware correctly restricts access to admin routes and that unauthorized users are properly redirected.
- Middleware for vendor:
 - Created a custom middleware using Laravel's Artisan command: `php artisan make:middleware VendorMiddleware`.
 - Added logic within the middleware to check if the authenticated user has the vendor role and if he is approved by admin. Redirected unauthorized users to the login page with an error message.
 - Applied the middleware to all the vendor routes in `web.php` to ensure only users with vendor privileges can access these routes.
 - Conducted tests to verify that the middleware correctly restricts access to vendor routes and that unauthorized users are properly redirected.
- Event and Member Registration Notifications to Admin via Email:
 - Configured email settings in the `.env` file to enable email sending functionality.
 - Added event listeners to trigger email notifications upon new event or member registration.
 - Created Blade templates for the email content, detailing the new registration information.
 - Implemented logic in the respective controllers to send emails using Laravel's Mail facade upon successful registration.
 - Sent test emails to verify the content, format, and delivery of the notifications to the admin.

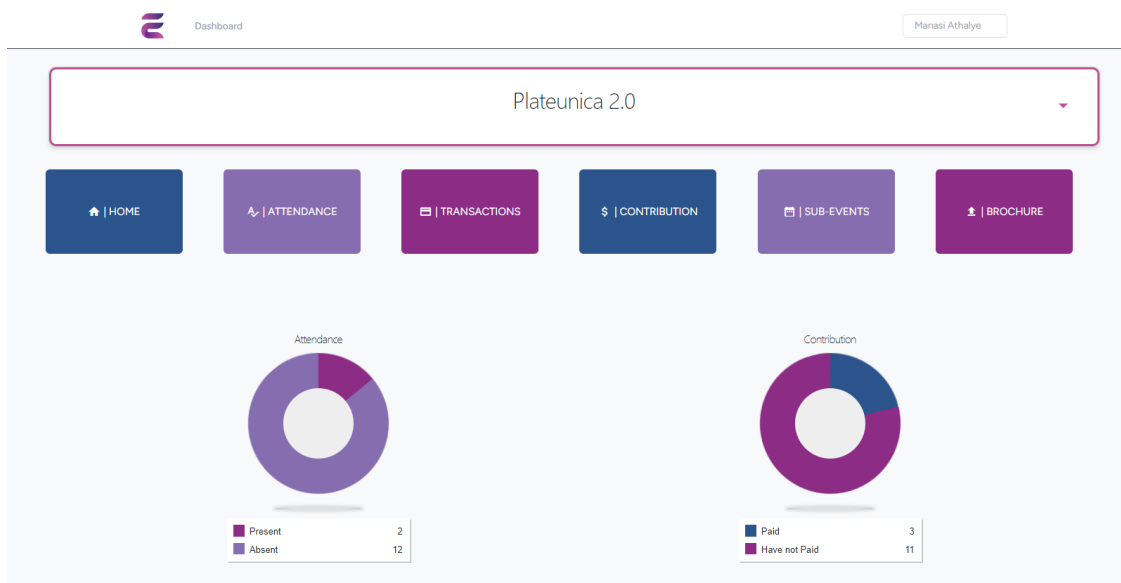
- Event Approval Notification to Vendors by Admin via Email:
 - Configured email settings in the .env file to enable email sending functionality.
 - Added logic in admin side to trigger email notifications upon event approval.
 - Created Blade templates for the approval notification email, including details of the approved event.
 - Implemented the email sending logic using Laravel's Mail facade within the controller.
 - Checked if functionality works properly.



- Member Approval Notification to Members by Vendor:
 - Configured email settings in the .env file to enable email sending functionality.
 - Added logic in the vendor side to trigger email notifications upon member approval.
 - Created Blade templates for the approval notification email, including details of the approved registration.
 - Implemented the email sending logic using Laravel's Mail facade within the controller. Checked if functionality works properly.
- Implementing Toasts to show Notifications to Vendor and Admin:
 - Integrated a JavaScript toast notification library such as Toastr for displaying notifications.
 - Added triggers in the vendor and admin dashboard and other relevant pages to show toasts upon successful actions like member registration, event approval.
 - Ensured that the toasts are styled consistently with the website.
 - Tested the toast notifications to ensure they appear correctly, are dismissed properly, and accurately reflect the actions taken by the vendor.



- Event Dashboard Page:
 - Layout Design:
 - Created a master layout template that includes a navigation button for each module (e.g., Home, Mark Attendance, Mark Contribution, etc.).
 - Used Blade's '@yield' directive to define areas where specific content for each module will be rendered dynamically.
 - Home Module:
 - Integrated a JavaScript charting library to display dynamic pie charts.
 - Linked charts to data from the database.
 - Add subevent Module:
 - Designed a form for adding sub-events. Added toast to display success or failure on sub-event changes.
 - Developed controller methods to handle displaying the form and storing sub-event data
 - Minutes of the meeting Module for Meetings:
 - Created a form inside modal for recording minutes of meetings. Designed a section in the dashboard for viewing past minutes.
 - Defined routes for managing meeting minutes. Developed controller methods to handle displaying the form and storing minutes data.



- Event wise Attendance Report:

- Frontend Design:

- Created a section within the vendor side for generating attendance report for each event.
 - Designed a user interface with options to select the event and subevent (if present) and click on submit to generate attendance report of participants.

- Backend:

- Implemented backend logic to query the database for attendance records based on the selected event.
 - Enabled export options using datatables to download the report in various formats (e.g., PDF, Excel).

- Event wise minutes report:

- Frontend Design:

- Added a section within the vendor side for viewing and generating minutes report.
 - Designed an interface to select the event and click on submit to generate minutes report for that meeting.

- Backend:

- Implemented backend logic to fetch minutes data from the database for the selected meeting.
 - Provided export options using datatables to download the report in multiple formats (e.g., PDF, Word).

- Member wise event report:

- Frontend Design:

- Designed a section within the vendor side for generating member-wise event reports.

- Developed a user interface where organizers can select a member and an event and click on submit to generate report of associated member for the selected event.
- Backend:
 - Implemented backend logic to query the database for events in which the selected member has participated.
 - Enabled export options using datatables for the report in various formats (e.g., PDF, Excel).
- Report of attendance for all events of all members:
 - Frontend Design:
 - Created a section within the vendor side for generating an all-inclusive attendance report.
 - Designed an interface with all the events mapped to all members to give a view of overall participation.
 - Backend:
 - Implemented backend logic to fetch member attendance data from the database for all events.
 - Developed a function to compile the data into a detailed report, including member names, event names and attendance status.
 - Provided export options using datatables for the report in multiple formats (e.g., PDF, Excel).

-  Dashboard
-  Manage Members
-  Manage Events
-  Config
-  Generate Reports >

All Attendance Report

Showing attendance report of All Members w.r.t. All Events:

 Search:

	Plateunica 2.0	Data Science Project 1	Sansrujan Scrum	Sprint
Samir Pai	P	A	A	A
Kirti Pai	P	A	A	A
Shrijay Gauns	A	A	A	A
Pratik Kamat	A	A	A	A
Atmaram Tukaram Bhide	A	A	A	A
Monica Geller	A	A	A	A
Ross Geller	A	A	A	A
Chandler Bing	A	A	A	A
Joey Tribbiani	A	A	A	A
Rachel Green	A	A	A	A

Showing 1 to 10 of 14 entries

 2

2.2.3] Website Hosting:

- Buying a Server & domain was already done.
- Connecting the Server to the Domain was done, Domain was live withing 24-48 hours.
- Started to set Up the Environment:
 - Logged in to your server's control panel (cpanel).
 - Installed the necessary environment software (e.g., Laravel framework, etc).
 - Created and imported the Database.
- Uploading Application Files using FileZilla:
 - Entered the server's host address, username, and password, then clicked "Quick Connect".
 - Uploaded the files and directories from your local site to the server.
- Final Configuration:
 - Opened the .env file on the server and updated the username, filename, and database password to match the new server settings.
 - Website is live.

2.3| EVENTIFY MOBILE APP

Timeline: May 03, 2024 to May 30, 2024

Technologies used: React-native, JS, npm, firebase, postman

2.3.1] Learning React-native:

- Setup Development Environment:
 - Installed Node.js and npm.
 - Installed React Native CLI.
 - Installed Android Studio.
- Learnt JavaScript and React Basics (components, styling, and layout techniques).
- Explored React Native Concepts:
- Understood React Native architecture.

2.3.2] User Interface with Backend Logic:

a. Login for Members:

- Designed a login screen with fields for entering email and password.
- Implemented user interface elements such as text input fields, a login button, and a "forgot password" link.
- Created an API endpoint for handling login requests.
- Implemented authentication logic to validate user credentials against the database.
- Provided error handling for invalid login attempts and feedback messages to guide the user.

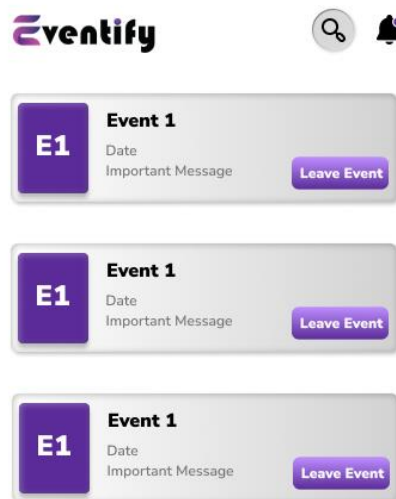
b. Member Dashboard Screen:

- Designed the dashboard UI with vendor list of associated member.
- Developed API endpoints to fetch member-specific vendors' data.
- Added interactive elements such as clickable cards for easy navigation.



c. Event List Screen:

- Designed an event list screen where events are displayed in a list format.
- Created API endpoints to fetch a list of events from the database.
- Added clickable event cards that navigate to detailed event pages.



2.3.3] Learning Firebase:

- Successfully integrated Firebase with our mobile application, which was developed using React Native. Following are the steps how:

- Set Up Firebase Project:

- ⇒ Created a Firebase project.
- ⇒ Navigated to the Firebase Console.
- ⇒ Clicked on "Add project" and followed the prompts to create a new Firebase project.

- Registering the App with Firebase:

- ⇒ Selected the project created.
- ⇒ Clicked on the Android icon to set up Firebase for our Android app.
- ⇒ Entered the app's package name and followed the instructions.
- ⇒ Provided the SHA-1 key:
 - To generate the SHA-1 key, I ran the following command in the terminal:

```
keytool -list -v -keystore ~/.android/debug.keystore  
-alias androiddebugkey -storepass android -keypass  
android
```

- Copied the SHA-1 key from the output and pasted it into the Firebase Console under the "Add an app" section.

- Installing Firebase SDK:

- ⇒ Opened the terminal and navigated to the React Native project directory.
- ⇒ Ran the command:

```
npm install @react-native-firebase/app
```

- Configuring Android:

- ⇒ Added the 'google-services.json' file from Firebase Console to the android/app directory.

- ⇒ Updated the android/build.gradle file by adding:

```
buildscript {
```

```
    dependencies {
```

```
        // Added this line
```

```
        classpath 'com.google.gms:google-services:4.3.3'
```

```
    }
```

```
}
```

- ⇒ Modified the android/app/build.gradle file to include:

```
apply plugin: 'com.google.gms.google-services'
```

CHAPTER 3: LEARNING

3.1] Tools and Technologies:



VS Code: Visual Studio Code (VS Code) is used for its lightweight and powerful code editing capabilities. It offers a rich set of features integrated Git control, along with a vast marketplace of extensions, making it an ideal choice for developing and maintaining code across programming languages.



PHP: It is a widely adopted server-side scripting language known for its ease of use, flexibility, and strong support for database integration.



phpMyAdmin: It provides a user-friendly web interface for managing MySQL databases, allowing for easy database administration tasks without needing SQL knowledge.



HTML: It is a foundational markup language for creating the structure of web pages. It ensures content is properly formatted and displayed across various web browsers.



CSS: It is used to style and layout web pages, providing the ability to design visually appealing and responsive user interfaces that enhance user experience and accessibility.



JavaScript

JS: It allows to add interactivity and dynamic behaviour to web pages as it enables client-side scripting to create responsive and engaging user experiences.



jQuery: Simplifies JavaScript coding by providing easy-to-use functions for event handling, AJAX interactions, to speed up the development process and improve cross-browser compatibility.



GitHub: Git is used for version control, allowing developers to track changes, collaborate seamlessly, and manage project history. It enabled efficient handling of code branches, merges, and rollbacks, ensuring code integrity and facilitating team collaboration.



Laravel: It is a powerful PHP framework that simplifies web application development with its elegant syntax, extensive built-in tools, and MVC (Model-View-Controller) architecture. It provided robust features for routing, authentication, and database management, making development more efficient and organized.



React Native: It is used to build the mobile app as it allows for the development of cross-platform applications using JavaScript and React.



Android Studio: It is used as the primary integrated development environment (IDE) for developing and testing Android applications. It provides tools for coding, debugging, and optimizing apps, along with a built-in emulator to simulate different device configurations, making the development process efficient and streamlined.



npm: npm (Node Package Manager) is used to manage and install JavaScript packages and dependencies. It simplified the process of incorporating third-party libraries and tools into the project, ensuring efficient management and updating of software components.



Firebase: It is a suite of cloud-based services, including real-time databases, authentication, and hosting. It allowed for seamless data synchronization across devices, simplifying backend development and enabling real-time updates, which is crucial for dynamic and interactive applications.



XAMPP: A control panel used to set up a local development environment. It bundles Apache, MySQL, PHP, and Perl, making it easy to create and test web applications locally before deploying them to a live server, thus ensuring a smooth development workflow.



Microsoft Teams: Microsoft Teams is used for team collaboration and communication. It provides a unified platform for chat, video conferencing, file sharing, and project management, facilitating efficient and coordinated teamwork, especially in a remote or hybrid work environment.

3.2] Knowledge Sharing Sessions:

As part of our continuous learning and development, we had knowledge sharing sessions every week on Friday. These sessions were conducted by different members of our group, each bringing their expertise in a new technology or software. These interactive sessions covered a wide range of topics. The collaborative environment fostered a culture of knowledge exchange and collective growth, allowing us to stay updated with industry trends and enhance our technical skills. These sessions were helpful in broadening our understanding and application of various technologies, ultimately contributing to our professional development. Following are some of the tools we learnt:



Katalon: A versatile test automation tool that supports web, API, mobile and desktop applications, offering an integrated environment for creating and executing automated tests with a user-friendly interface.



ESLint: A static code analysis tool for identifying and fixing problems in JavaScript code, enforcing coding standards and ensuring code quality by checking for syntax errors, style issues, and potential bugs.



Apache Kafka: is an open-source stream processing platform designed for high-throughput, fault-tolerant and scalable real-time data streaming. Kafka is widely used for building real-time data pipelines and effectively handling large volumes of data by distributing it across multiple servers.



Figma: is a cloud-based design tool known for its collaborative features, allowing multiple users to work on design projects simultaneously. It offers robust tools for UI/UX design, prototyping, and vector graphics, making it popular among designers for creating and sharing interactive prototypes.



Redis: Redis was used for its in-memory data structure store capabilities, which provide fast access and manipulation of data. It is particularly useful for caching, session management, and real-time analytics, enhancing the performance and scalability of web applications by reducing database load and ensuring quick data retrieval.



cPanel: It is a web-based control panel and makes it easy to manage server resources, set up domains, and handle website files and databases.



FileZilla: It is used as an FTP client to facilitate the secure and efficient transfer of files between local machines and the server, simplifying the process of uploading and maintaining website files.



Postman: It is used as a powerful API development and testing tool. It allowed to create, test, and document APIs efficiently.



Cypress: It is a testing tool used to test the website as it provides a robust and user-friendly testing framework that enables developers to write and execute tests efficiently, ensuring the website's functionality, performance, and reliability across different scenarios.

CHAPTER 4: CHALLENGES

During my internship, I encountered various challenges that tested my problem-solving skills and pushed me to learn new concepts. One notable challenge was dealing with Git merge conflicts, especially when collaborating with teammates on projects. Merge conflicts often occurred when multiple developers from our team made changes to the same code files, resulting in conflicts that needed to be resolved manually. Learning to resolve these conflicts effectively required careful attention to detail, effective communication with team members, and a solid understanding of version control principles. Through collaboration, I gained valuable experience in resolving merge conflicts and maintaining code integrity within a team environment.

In backend development using Laravel, one of the challenges I encountered was effectively handling routes and managing application endpoints. Laravel's routing system allows for defining URL endpoints and connecting them to corresponding controller actions, but understanding and organizing routes efficiently required careful adherence to best practices. Learning to structure routes logically, handle route parameters, and implement middleware for request filtering and authentication were essential skills that I gained through practice and experimentation. Now I am very confident that I can say I have mastered Laravel's routing capabilities.

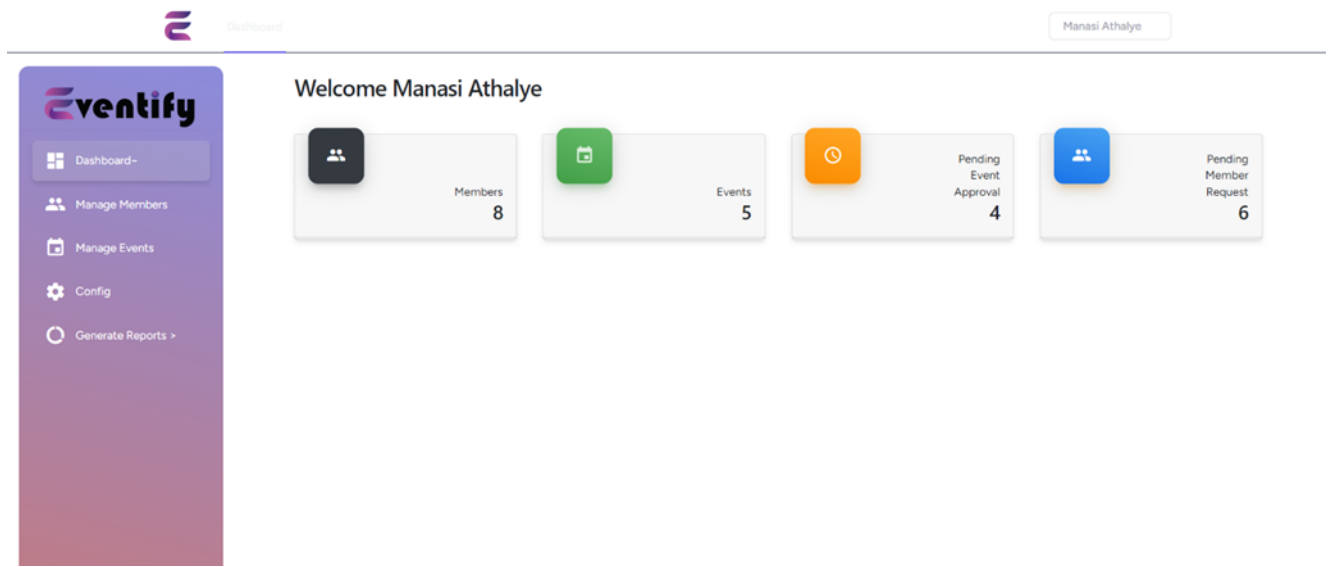
Another significant challenge I faced was learning React Native for mobile app development. As React Native was a new technology for me, I faced difficulties in setting up the development environment and understanding its structure. Handling navigation was initial hurdle that I faced. However, through learning, online resources, and hands-on practice, I gained somewhat proficiency in React Native and hopefully will get better at it in future.

Furthermore, managing project timelines and balancing multiple tasks while learning new technologies presented ongoing challenges throughout my internship. By embracing these challenges as opportunities for growth and learning, I was able to overcome obstacles, expand my skill set, and contribute effectively to the success of the projects I worked on.

REFERENCES:

- ⇒ <https://laravel.com/docs/11.x>
- ⇒ <https://firebase.google.com/docs>
- ⇒ <https://www.adityatekkali.edu.in/blog/wp-content/uploads/2020/10/Internship-Report-sample-6.pdf>
- ⇒ <https://www.hostgator.com/blog/how-start-blog/>
- ⇒ Eventify SRS (Software Requirements Specification) Document.

APPENDIX I: SAMPLES OF WORK DONE



The screenshot shows a 'Member Registration' form with a purple background featuring various icons. The form title is 'Member Registration' with a document icon. Below the title, it says 'Fill in the following details:'. The form contains the following fields: 'Name' (text input), 'Contact No.' (text input), 'Email' (text input), 'Vendor Code' (text input), 'Enrol As' (text input), and 'Register As' (a dropdown menu with 'Select' as the current selection). At the bottom of the form is a purple button labeled 'Register Me'.

 Dashboard

Manasi Athalye

 Dashboard
Manage Members
Manage Events -
Config
Generate Reports >

Manage Events

ADD NEW EVENT/ SUB-EVENT

List of Events

Show
10
entries

Search:

ID	Name	Type Of Event	Coordinator	Venue	Budget	Per Head Contribution	Due Date	One Day Event	From T
6	Plexus 5.0	event	Shrijay Gauns	Shyama Prasad Stadium	700000	—	—	Yes	2024-0
8	Plateunica 2.0	event	Amay	Goa University	15000	—	—	Yes	2024-0
9	Data Science Project 1	projects	Swati Desai	Goa University	1500	—	2024-05-22	Yes	2024-0
10	Sansrujan Scrum	meeting	Nagesh Chari	Marcel, Goa	—	—	—	Yes	2024-0
11	Arena	event	Kedar Desai	Goa University	20000	200	—	Yes	2024-0
12	Dandiya	event	Kedar Desai	Goa University	20000	1000	—	Yes	2024-0

 Dashboard

Manasi Athalye

 Dashboard
Manage Members -
Manage Events
Config
Generate Reports >

Manage Members

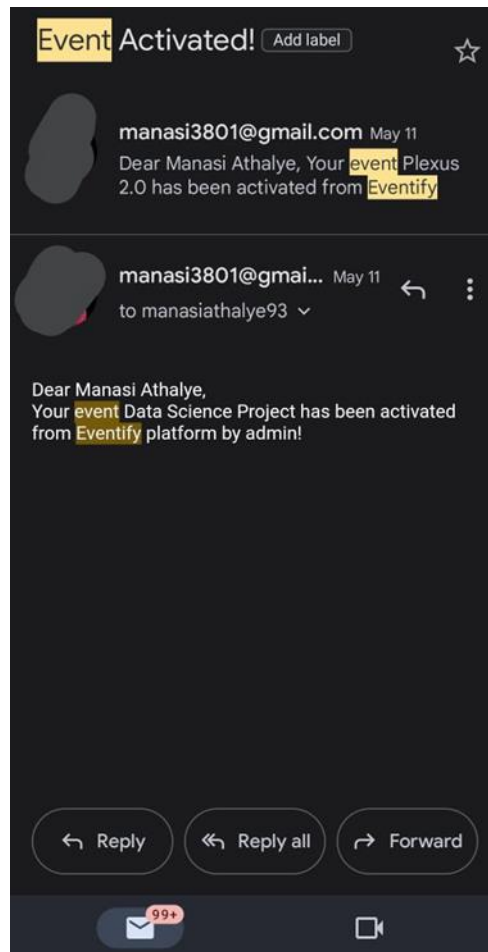
MEMBER REGISTRATION

List of Members

Show
10
entries

Search:

ID	Name	Mobile	Email	Enrolled As	Edit	Approval
1	Samir Pai	9844444440	samir@gmail.com	Student		
3	Kirti Pai	4545454545	kirti@gmail.com			
5	Shrijay Gauns	9880980255	shrijay@gmail.com	Student		
6	Pratik Kamat	9965432176	pratik@gmail.com	Student		
7	Atmaram Tukaram Bhide	7765432133	bhide@gmail.com	Student		
8	Monica Geller	7765432190	monica@gmail.com	Student		
10	Ross Geller	8870943212	ross@dino.com	Palientologists		



Dashboard

Naina Talwar

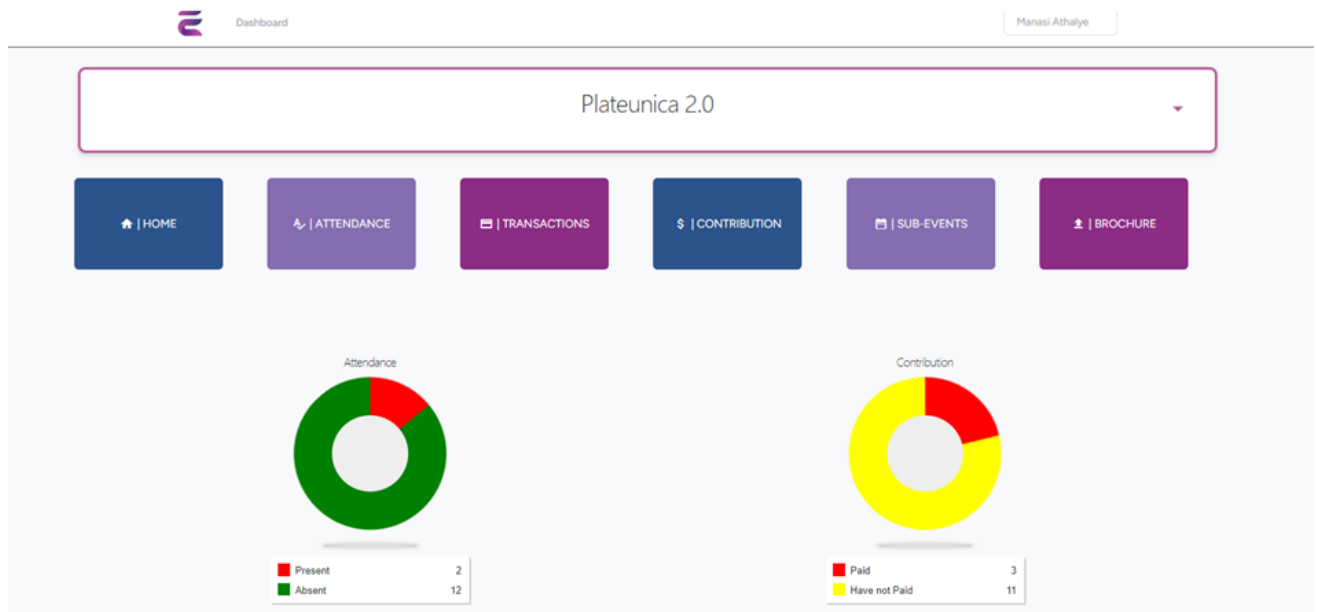
New Sub-event Added!

New Sub-event Face Painting is added under event Plateunica 2.0 by Manasi Athalye and awaiting for your approval

Event Updated Added!

Event Data Science Project 1 is updated by Manasi Athalye and awaiting for your approval

Pending Vendor Request 0	Pending Approval Event 5	Total Active Vendors 3	Total Active Members 9
Total Public Events 5	Total Upcoming Events 4	Total Ongoing Events 0	Total Completed Events 0






Dashboard

Manasi Athalye

All Attendance Report

Showing attendance report of All Members w.r.t. All Events:

Copy
CSV
Excel
PDF
Print

Search:

	Plateunica 2.0	Data Science Project 1	Sansrujan Scrum	Sprint
Samir Pai	P	A	A	A
Kirti Pai	P	A	A	A
Shriyay Gauns	A	A	A	A
Pratik Kamat	A	A	A	A
Atmaram Tukaram Bhide	A	A	A	A
Monica Geller	A	A	A	A
Ross Geller	A	A	A	A
Chandler Bing	A	A	A	A
Joey Tribbiani	A	A	A	A
Rachel Green	A	A	A	A

Showing 1 to 10 of 14 entries

1
2



V1

Vendor 1
3 Events

Leave Vendor

V2

Vendor 2
2 Events

Leave Vendor

V3

Vendor 3
1 Events

Leave Vendor



E1

Event 1
Date
Important Message

Leave Event

E1

Event 1
Date
Important Message

Leave Event

E1

Event 1
Date
Important Message

Leave Event

APPENDIX II: PHOTOS WHILE AT WORK

