

Design and develop a Vendor Payment tracking system project wise which includes an web based admin panel and mobile app for uploading project and vendor wise invoices and payment details and work information.

Following Tech stack for the entire system:

Web Admin Panel:

Frontend: HTML, CSS JS/JQUERY

Framework: CodeIgniter 4

Database: MySQL

Mobile App: Flutter

Firebase for Push Notifications

Hive Database for offline storage if required.

• **SUPER ADMIN PANEL**

Main Features:

1. Manage users - In this section admin can create users for admin panel and app users
2. Roles and Permissions - This section decides which user can access what functionality on the admin panel for non admin users.
3. Manage Vendors / Suppliers - In this section all the suppliers are maintained.
4. Manage Projects - In this module various construction projects are created and maintained along with their incharge who is responsible for uploading the payment records for the project.

This module will have a sub module in which approval levels are defined i.e. level number and which user is authorized approver for that project. These users are basically app users who are added in the users section.

Approval levels are variable and may differ for each project

Example:

Project : Rajaji Nagar Construction

Project Details: Some base information of the project

Approval Levels

- Level 1 - Koustubh Chougule (Lowest In Hierarchy)
- Level 2 - Aparna
- Level 3 -
- Level 4 -
- Level 5 - Sharan Sir (Highest In Hierarchy)

5. Payment Requests - In this section the payment requests uploaded for the project from the app are listed with their approval status and approval status log of each level completed, along with attachments.
6. Accounting / Payment Processing - In this section all the approved payment requests for the project come for payment processing. Once the payment is made the payment information is stored.
7. Reports and Analytics - In this section we will have reports of all payments processed
Reports of uploaded payments requests project wise

● **MOBILE APP / PAYMENT TRACKER APP**

Main Feature:

1. Login
2. Profile Section
3. Dashboard / Project Listing: In this section we list project cards to which the logged in user is an incharge. On click project information is displayed
4. Payment Request Entry Module - In this user / project incharge can upload vendor wise payment records/informations along with documents and work details.
Can make edit / amendments in the uploaded records.
Once all the information is updated. Payment record is sent for level wise approvals.
5. Notifications - In this section users get notifications for payment request upload and sent for approval. If the logged in user is an approver for a project for a specific level the he/she will receive the notification here.
In this section the user/approver can see all the uploaded payment requests, attachments etc based on which user/approver can take action i.e. approve the payment request and send for next approval level and respective notification is sent to the next level approver. Once all the level approvals are done then the request is sent for payment processing to accounts.
At any level if the payment request is rejected then the rejecting user/approver has to enter the reason/remark for rejection and notification is sent back to previous level for requirement amendments in the request and submit again.
On each approval level every stage is logged in the system.