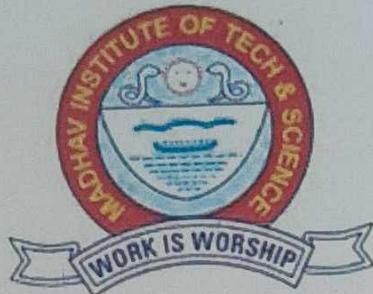


**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
Deemed to be University  
(Declared under Distinct Category by Ministry of Education, Govt. of India)  
NAAC Accredited with A++ Grade



**Project Report**  
on  
**Development Of Village Administration Hub**

A project report submitted in partial fulfilment of the requirement for the degree of

**MASTER IN COMPUTER APPLICATION**  
In  
**COMPUTER SCIENCE AND ENGINEERING**

**Submitted by:**

Kajal Yadav

0901CA221032

**Industry Mentor:**

Mr. Ramswaroop Yadav, (Sarpanch, Gram Panchayat Ladhwaya, Gwalior)

**Faculty Mentor:**

Dr. Anshu Chaturvedi (Professor)

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE**  
**GWALIOR - 474005 (MP) est. 1957**

January- June 2024



कार्यालय ग्राम पंचायत लद्वाया, ग्वालियर, मध्य प्रदेश  
Karyalay Gram Panchayat Ladhwaya, Gwalior, MP  
Janpad Panchayat Bhitarwar, Jila Gwalior, MP

Contact: 8349687081

Ref: GPL-2024/GPL/003

Date: 21-04-24

To whom so ever it may concern

This is to certify that **Ms. Kajal Yadav** student of MCA at MITS, Gwalior, has successfully completed an “internship” with **KARYALAY GRAM PANCHAYAT LADHWAYA** as a Software developer in the new Technology Department from **25 JAN to 25 APRIL 2024**.

She has worked on the “**Village Administration Hub**” project under the supervision and guidance of Employment Assistant, During the internship, she has gained several learnings such as MGNREGA, Panchayat Darpan, Problem Analysis, System Designing, UI/UX, Project Management, Data Management.

Besides showing high comprehension Capacity, managing assignments with the utmost experts and exhibiting maximal efficiency, she has also showcase excellent moral character throughout the internship period.

I hereby certify her overall work as very good to the best of my knowledge. Wishing her the best of luck in her future Endeavour's.

२११४९८४ २१६९

सरपंच  
ग्राम पंचायत लद्वाया  
जन. पंचायत भितरवार

Ramswaroop Yadav  
(Sarpanch)  
Gram Panchayat Ladhwaya

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**

Deemed to be University

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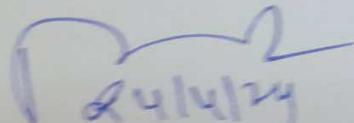
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**CERTIFICATE**

This is certified that Kajal Yadav (0901CA221032) has submitted the project report titled **Development Of Village Administration Hub System** under the mentorship of Mr. **Ramswaroop Yadav** in partial fulfilment of the requirement for the award of degree of Master of Computer Application of Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.



Dr. Anshu Chaturvedi  
(Professor)  
Computer Science and Engineering

  
24/4/24

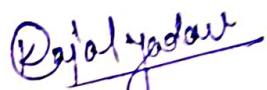
Dr. Manish Dixit  
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Computer Science and Engineering  
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**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
Deemed to be University  
(Declared under Distinct Category by Ministry of Education, Govt. of India)  
NAAC Accredited with A++ Grade

## **DECLARATION**

I here by declare that the work being presented in this project report, for the partial fulfilment of requirement for the award of the degree of Master in Computer Application in Computer Science and Engineering at **Madhav Institute of Technology & Science, Gwalior** is an authenticated and original record of my work under the mentorship of **Mr.Ramswaroop Yadav**, Gram Panchayat Ladhwaya, Gwalior

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.



Kajal Yadav  
0901CA221032  
2022-2024 Year,  
Master in Computer Application,  
Computer Science and Engineering

## **ACKNOWLEDGEMENT**

The full semester project has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary project. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Computer Science and Engineering**, for allowing me to explore this project. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I would like to express my sincere gratitude to my Industry Mentor **Ramswaroop Yadav** for their invaluable guidance and support throughout the course of this project. Their expertise and insights have been instrumental in shaping my understanding and approach towards Village Administration Hub.

I am sincerely thankful to my faculty coordinator. I am grateful to the guidance of **Dr. Anshu Chaturvedi**, Professor, Computer Science and Engineering for her continued support and guidance throughout the project. I am also very thankful to the faculty and staff of the department.



Kajal Yadav  
0901CA221032  
2022-2024 Year,  
Master in Computer Application,  
Computer Science and Engineering

## ABSTRACT

The project named as Development of Village Administration Hub contains the knowledge and data of "nrega home dc". In this project, an admin is able to maintain the data of nrega home dc, where an admin can insert a scheme which government of india launched for the development of village.

When an user want to assign a tender to a contractor they can also maintain this detail in the Village Administration Hub, and they can also give the letter of tender acceptance with the help of Village Administration Hub to their contractor.

As well as the user can easily upload and download the data in VAH. Even they create measurement book i.e., MB for the completion of work, MB is created after the work has been completed it basically store the data of how much cost is invested for labour and how much cost is used for material.

Now the nrega is all about to what work is done under the nrega, means the amount of nrega work is paid by central government than its data is stored completely at different place, and i make its module very simple and different. So the user can easily understand how to use each and everything.

An user can easily add, update, delete the data, and its completely based on Admin side, no user or guest can see and use this software, its completely personal software for a particular panchayat named, Karylay Gram Panchayat Ladhwaya, Gwalior.

## सार

विलेज एडमिनिस्ट्रेशन हब के विकास नामक इस परियोजना में "नरेगा होम डीसी" का ज्ञान और डेटा शामिल है। इस परियोजना में, एक व्यवस्थापक नरेगा होम डीसी के डेटा को बनाए रखने में सक्षम है। जहां एक व्यवस्थापक एक योजना समिलित कर सकता है जिसे भारत सरकार ने गांव के विकास के लिए शुरू किया है।

जब कोई उपयोगकर्ता किसी ठेकेदार को निविदा सौंपना चाहता है तो वे इस विवरण को ग्राम प्रशासन हब में भी रख सकते हैं, और वे ग्राम प्रशासन हब की मदद से अपने ठेकेदार को निविदा स्वीकृति पत्र भी दे सकते हैं।

साथ ही यूजर VAH में डेटा को आसानी से अपलोड और डाउनलोड कर सकता है। यहां तक कि पूरा करने के लिए माप पुस्तिका यानी एमबी भी बनाते हैं, एमबी काम पूरा होने के बाद बनाई जाती है, यह मूल रूप से यह डेटा संग्रहीत करती है कि श्रम के लिए कितनी लागत का निवेश किया गया है और सामग्री के लिए कितनी लागत का उपयोग किया गया है।

अब नरेगा के बारे में सब कुछ है कि नरेगा के तहत क्या काम किया जाता है, इसका मतलब है कि नरेगा काम की राशि का भुगतान केंद्र सरकार द्वारा किया जाता है, इसका डेटा पूरी तरह से अलग जगह पर संग्रहीत किया जाता है, और मैं इसके मॉड्यूल को बहुत सरल और अलग बनाता हूं। इसलिए उपयोगकर्ता आसानी से समझ सकता है कि प्रत्येक चीज़ का उपयोग कैसे करना है।

कोई उपयोगकर्ता आसानी से डेटा जोड़ सकता है, अपडेट कर सकता है, हटा सकता है, और यह पूरी तरह से व्यवस्थापक पक्ष पर आधारित है, कोई भी उपयोगकर्ता या अतिथि इस सॉफ्टवेयर को देख और उपयोग नहीं कर सकता है, यह एक विशेष पंचायत के लिए पूरी तरह से व्यक्तिगत सॉफ्टवेयर है, जिसका नाम करायले ग्राम पंचायत लधवाया, ग्वालियर है।

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## **CHAPTER 1 : INTRODUCTION**

## Chapter -1 Introduction

The Village Administration Hub is intricately designed around the framework of the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA), initiated in 2005 to bolster rural development and provide 100 days of employment to individuals in rural areas. This comprehensive software facilitates seamless management of various components including schemes, measurement books, tenders, and NREGA initiatives. Users can efficiently add, update, and delete data, alongside facile upload and download capabilities.

Notably, the software streamlines the process of issuing letters of acceptance by pre-populating essential details upon user input, thereby expediting contractor communication for specific projects under various schemes. Each project is meticulously categorized under relevant schemes, with detailed information such as MR numbers, total expenditure, agency allocations, payment schedules, and billing particulars.

The NREGA section of the software serves as a repository for current and upcoming projects, delineating completed tasks, ongoing endeavors, and the respective schemes they fall under. This interconnected approach ensures comprehensive oversight and effective management of all aspects pertaining to rural development initiatives, underscoring the software's commitment to meeting the diverse needs of its users.

## 1.1 Problem Identification :-

In the event of server downtime, users face difficulties accessing and updating their data within the village administration hub. Given the prevalent internet connectivity challenges in rural areas, users encounter obstacles in both updating their information and presenting it to government officials. This issue becomes particularly pronounced during periods of model code of conduct (Achar Sanhita), when official government websites experience disruptions. As such, a reliable village administration hub software is imperative to ensure seamless data management and accessibility for users despite network limitations. Some features are:

- 1. Offline data access:** Incorporating features within the village administration hub software that allow users to access and update data offline can mitigate the impact of internet connectivity issues.
- 2. Local Server Deployment:** Exploring the option of deploying a local server within the village to host the administration hub software, providing a more reliable and accessible data management solution.
- 3. User Training and Support:** Providing comprehensive training and support to users on how to effectively utilize the administration hub software, including troubleshooting steps for common network-related issues.

## 1.2 Parent Organization:-



Gram Panchayats function within a multi-tiered system of local self-government, which includes higher levels such as Intermediate Panchayats and District Panchayats. They are accountable to these higher tiers and coordinate with them for resource allocation, policy implementation, and administrative support.

In Madhya Pradesh, gram panchayats—which concentrate on grassroots rural administration and development—play a significant role in local governance.

The cornerstone of rural governance in Madhya Pradesh is the gram panchayat, which is made up of elected officials in charge of local administration and development. They are in charge of carrying out government programs, managing village finances, keeping up with local infrastructure like roads and water supplies, and attending to the needs and worries of the people. With the goal of empowering rural communities and enhancing their standard of living, these Panchayats are an essential component of decentralized governance.

Undertaking initiatives for the overall development of the village, including agricultural development, employment generation, skill development, and promotion of rural industries and entrepreneurship.

### **1.3 About Hardware and Software Requirements:-**

To ensure the optimal performance and reliability of the Village Administration Hub, careful consideration of both hardware and software specifications is imperative. Below are the recommended specifications for deploying and operating the Village Administration Hub effectively:

#### **Hardware Specification:**

- i. CPU:** Quad-core processor or higher to handle concurrent requests efficiently.
- ii. RAM:** Minimum 8 GB RAM.
- iii. Storage:** SSD storage for improved data access speed and responsiveness.
- iv. Internet:** Reliable internet connection to facilitate remote access and software updates
- v. Network:** Network infrastructure capable of handling data transfer and communication between servers and client devices.

#### **Software Specification:**

- i. OS:** Windows Server depending on organizational choices and compatibility.
- ii. Web Server:** Apache HTTP Server for web application hosting.
- iii. Database:** MySQL is the relational database management system (RDBMS) used to hold application information and audit data.
- iv. Programming Language and Frameworks:** Choose a suitable programming language and web application framework for developing the VAH.
- v. Authentication and Authorization:** Implementation of secure authentication mechanisms using JSON Web Tokens (JWT) to ensure authorized access to the VAH.
- vi. Dependency Management:** Use package managers like npm (Node.js) to manage software dependencies and libraries efficiently.

## **CHAPTER 2 : SYSTEM ANALYSIS**

## Chapter 2: System Analysis

### **2.1 Problem Analysis:**

The objective of the Village Administration Hub Project is to automate and optimize the operations of Gram Panchayat, or village councils. Even if the initiative has the potential to increase openness and efficiency, there are a few issues that must be resolved:

- 1. Server Downtime and Internet Connectivity Issues:** The primary issue revolves around server downtime, which disrupts access to the village administration hub software. Internet connectivity issues compound the problem, as rural areas often face challenges in accessing reliable internet services.
- 2. Data Accessibility and Update Challenges:** Users are unable to access their data or update it due to server downtime and internet connectivity issues. This affects their ability to maintain accurate records and fulfill administrative requirements.
- 3. Impact on Governance and Compliance:** During periods of model code of conduct (Achar Sanhita), when government websites are inaccessible, the reliance on the village administration hub software becomes critical.
- 4. Community Implications:** Lack of timely access to information may lead to frustration and dissatisfaction among residents.
- 5. Resource Allocation and Efficiency:** Inefficient data management processes resulting from server downtime and connectivity issues may lead to misallocation of resources and inefficiencies in service delivery. This can impact the effectiveness of government programs and initiatives aimed at rural development and welfare.
- 6. Long-Term Sustainability and Resilience:** Addressing the recurring issue of server downtime and internet connectivity requires long-term solutions that enhance the resilience of the village administration hub software.

Investing in infrastructure, technology upgrades, and capacity building can contribute to sustainable and resilient governance systems. By conducting a comprehensive problem analysis, stakeholders can gain insights into the root causes of the challenges faced and develop strategies to address them effectively.

## **2.2 Feasibility Study:**

To evaluate the project's viability and chances for success, the Village Administration Hub (VAH) feasibility assessment is essential. To ascertain whether the project is technically, financially, and operationally feasible, it entails assessing a number of factors. This is a synopsis of the feasibility study.

### **2.2.1 Economical feasibility:**

Economic feasibility examines whether the benefits of implementing the VAH module outweigh the costs associated with its development, implementation, and maintenance. It involves estimating the project costs, including software development, training, infrastructure, and ongoing support, and comparing them with the expected benefits, such as cost savings, efficiency gains, and improved compliance.

- 1. Time Savings:** The VAH will streamline scheme, measurement book, tender, reducing the time required for data collection, analysis, and reporting.
- 2. Improved Accuracy:** Automation and standardized processes will reduce the likelihood of errors and discrepancies in storing data.
- 3. Compliance Enhancement:** The module will facilitate adherence to regulatory requirements, avoiding delays and issues.
- 4. Better Decision Making:** Access to real-time VAH data and analytics will enable more informed decision-making.

However, it's important to note that the economic feasibility of the project depends heavily on the accuracy of benefit estimation. If the benefits significantly outweigh the costs over the project's lifecycle, then it can be considered economically viable. Furthermore, the completion time of 120 working days should also be taken into account. Delays in project completion may lead to additional costs and could affect the overall economic feasibility.

### **2.2.2 Technical feasibility:**

This aspect assesses whether the technology required for the VAH project is available and can be implemented effectively. It involves evaluating the technical requirements, compatibility with existing systems, and availability of skilled resources to develop and maintain the VAH module.

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### **2.2.2 Technical feasibility:**

This aspect assesses whether the technology required for the VAH project is available and can be implemented effectively. It involves evaluating the technical requirements, compatibility with existing systems, and availability of skilled resources to develop and maintain the VAH module.

- 1. Compatibility with Existing System:** The chosen technologies for the VAH, including React.JS, Node.JS, are compatible with modern web development practices and can seamlessly integrate with existing systems and infrastructure.
- 2. Availability of Skilled Resources:** The availability of skilled resources proficient in React.JS, Node.JS, is relatively high in the industry due to the widespread adoption of these technologies.

The technical feasibility assessment of Village Administration Hub (VAH) indicates that the required technologies, hardware, and software for the VAH project are readily available and compatible with the project Requirement. The chosen programming languages and frameworks, including React.JS, Node.JS, are well-suited for the development task and building a scalable, efficient, and user-friendly data management system. Additionally, the availability of skilled resources and the feasibility of integration with existing systems further reinforce the technical viability of the VAH project.

### **2.2.3 Behavioural feasibility:**

The VAH module is designed with a focus on maximizing user acceptance and minimizing resistance to change by implementing the following measures:

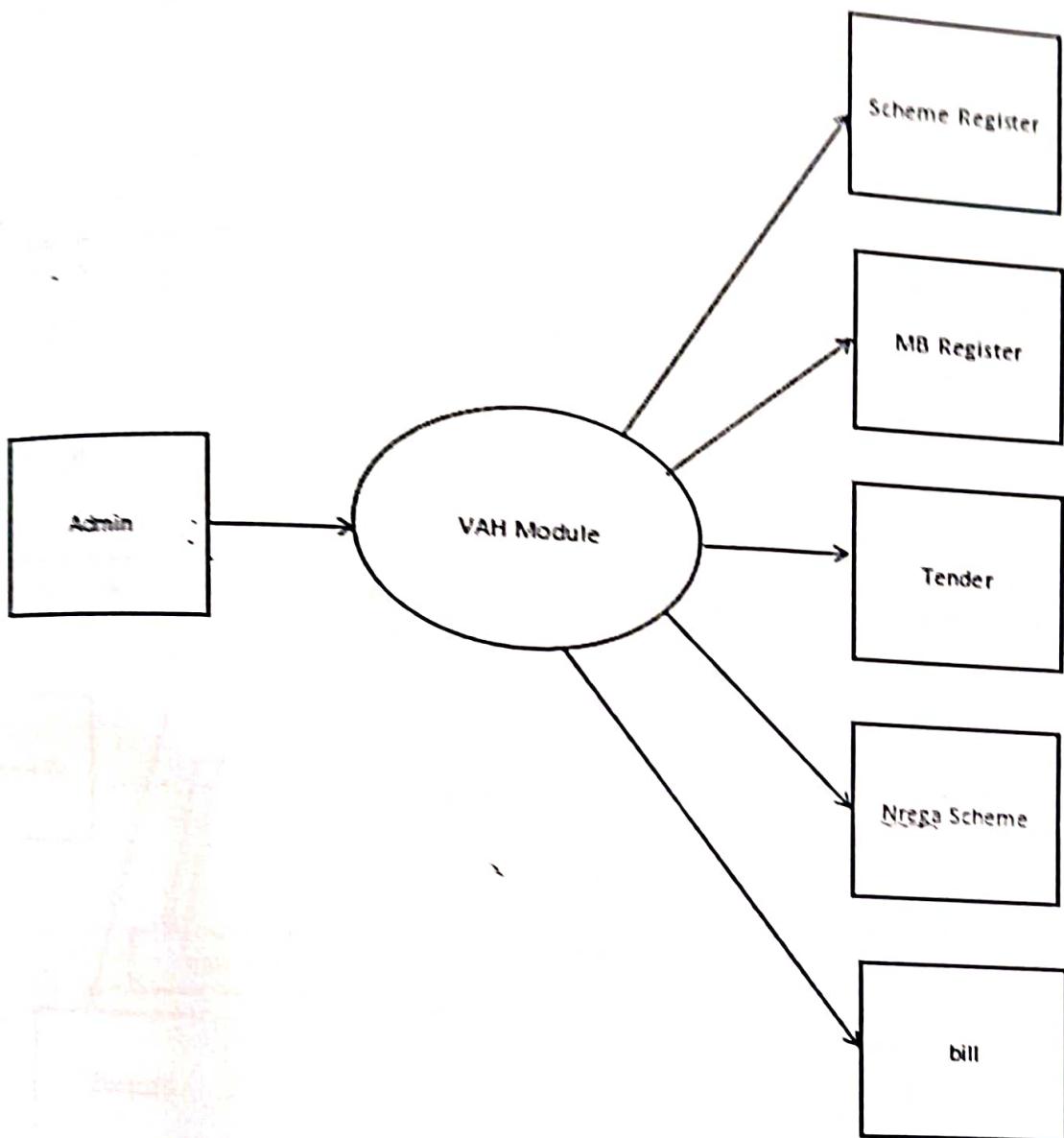
- 1. User-Friendly Interface:** The VAH module features an intuitive and user-friendly interface that simplifies audit management tasks for users across different roles. With its intuitive design and familiar navigation patterns, users can easily adapt to the system, reducing the learning curve and enhancing usability.
- 2. Training and Support Resources:** Support tools and extensive training materials are offered to help users use the VAH module efficiently. These tools, which make sure users have access to the knowledge they need to use the system to its fullest potential, include user manuals, assistance material.
- 3. Continuous Improvement:** Feedback mechanisms are integrated into the VAH module to gather user feedback and suggestions for improvement continuously. By actively listening to user feedback and incorporating enhancements based on user needs, the VAH module aims to continuously improve the user experience and enhance user satisfaction.

**4. User-centric Design Approach:** Incorporating audit specialists throughout the whole design and development process. By working together, we can make sure that the module fits the real processes and preferences of our consumers.

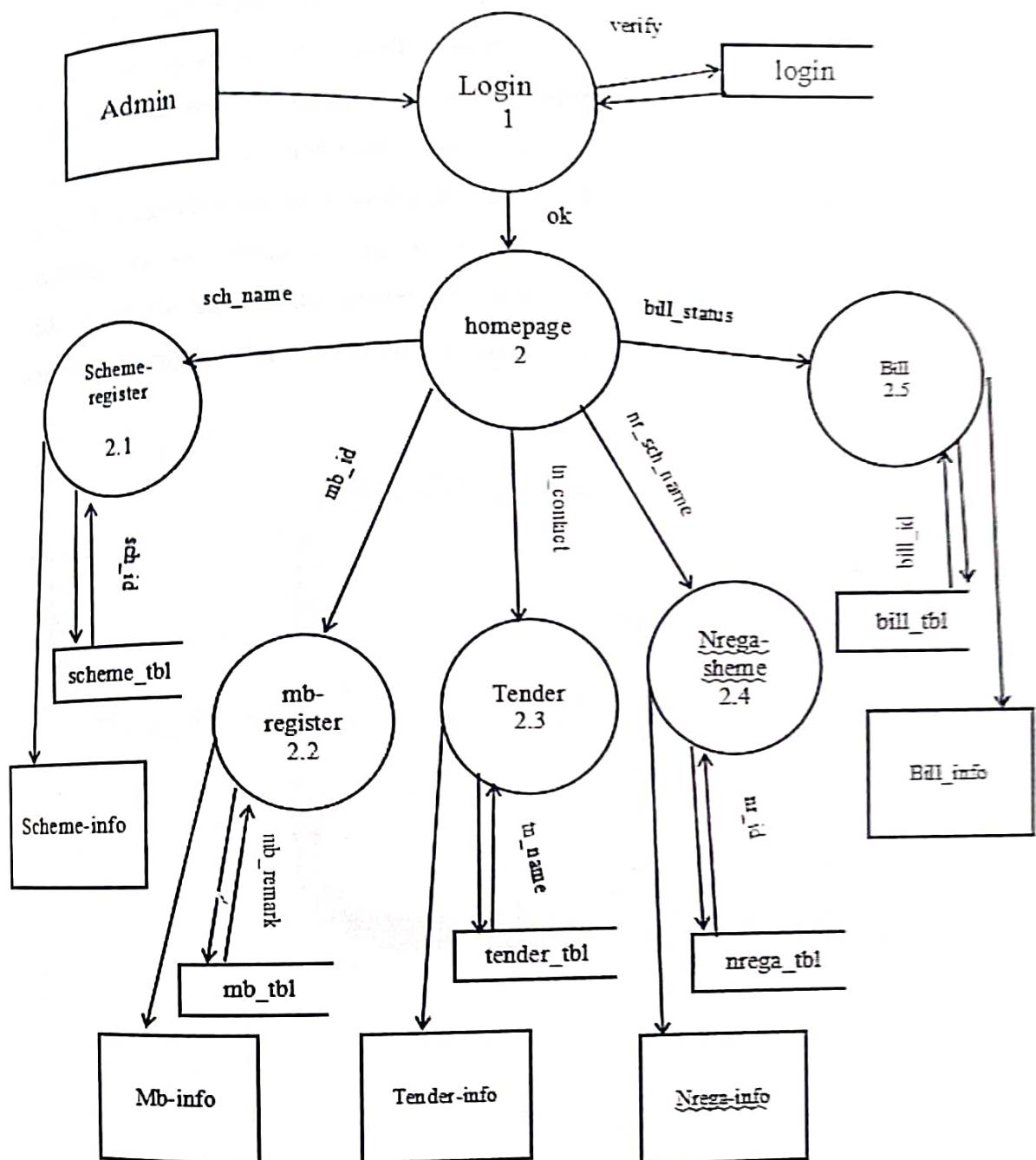
By focusing on the user experience and addressing the human aspects of technology adoption, the VAH module aims to promote user acceptance, confidence, and satisfaction in the context of audit management. This behavioral feasibility approach makes certain that users can quickly adjust to the new system and take full use of its advantages for their audit management procedures.

## 2.3 Data Flow Diagram (DFD)

### 2.3.1 Level 0 DFD:

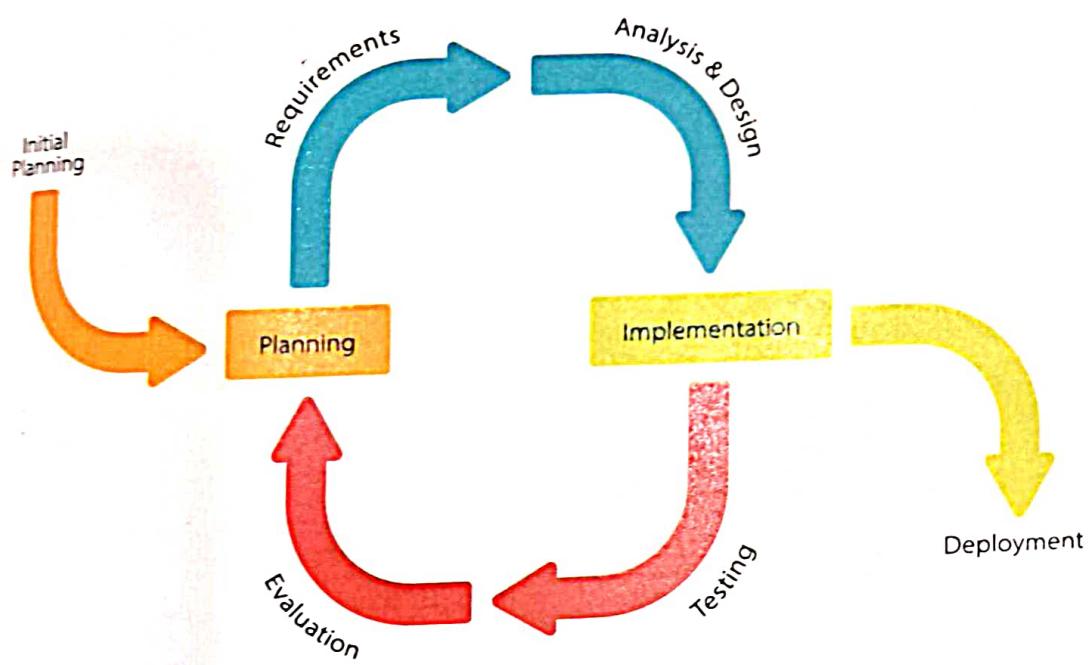


### 2.3.2 Level 1 DFD for Admin:



## 2.4 Software Development Process:-

We have used iterative and incremental Waterfall Methodology in the development of Village Administration Hub (VAH). The main reason behind using iterative waterfall model is feedback path. The Iterative Waterfall Model is a software development approach that combines the sequential steps of the traditional Waterfall Model with the flexibility of iterative design. It allows for improvements and changes to be made at each stage of the development process, instead of waiting until the end of the project. The iterative waterfall model provides feedback paths from every phase to its preceding phases, which is the main difference from the classical waterfall model. While the incremental model approach helped us to take advantage of what was learnt during development of earlier parts of the system.



## **CHAPTER 3 : SYSTEM DESIGN**

## Chapter 3: System Design

### 3.1 Database Tables: -

#### 3.1.1 scheme\_tbl

S. No	Name	Type	Constraint
1.	sch_id	Varchar(20)	Primary key
2.	sch_name	Varchar(70)	Foreign Key
3.	sch_fund	bigint(15)	---
4.	sch_amt	bigint(20)	---
5.	sch_agency	Varchar(70)	---
6.	sch_payment_date	Number(15)	---
7.	sch_bil_amt	Number(15)	---

#### 3.1.2 tender\_tbl

S. No	Name	Type	Constraint
1.	tender_id	Varchar(20)	Primary key
2.	tn_name	Varchar(70)	Foreign Key
3.	tn_contractor	Varchar(20)	---
4.	tn_agreement	Varchar(70)	---
5.	tn_date	Number(70)	---

### 3.1.3 mb-tbl

S. No	Name	Type	Constraint
1.	mb_sch_name	Varchar(20)	Foreign Key
2.	mb_remark	Varchar(70)	---
3.	mb_amt	Varchar(20)	---
4.	mb_mandate	Varchar(70)	---
5.	mb_date	Number(70)	---
6.	mb_mr_num	Varchar(25)	Primary Key
7.	mb_details	Varchar(30)	---
8.	mb_rate	Varchar(10)	---

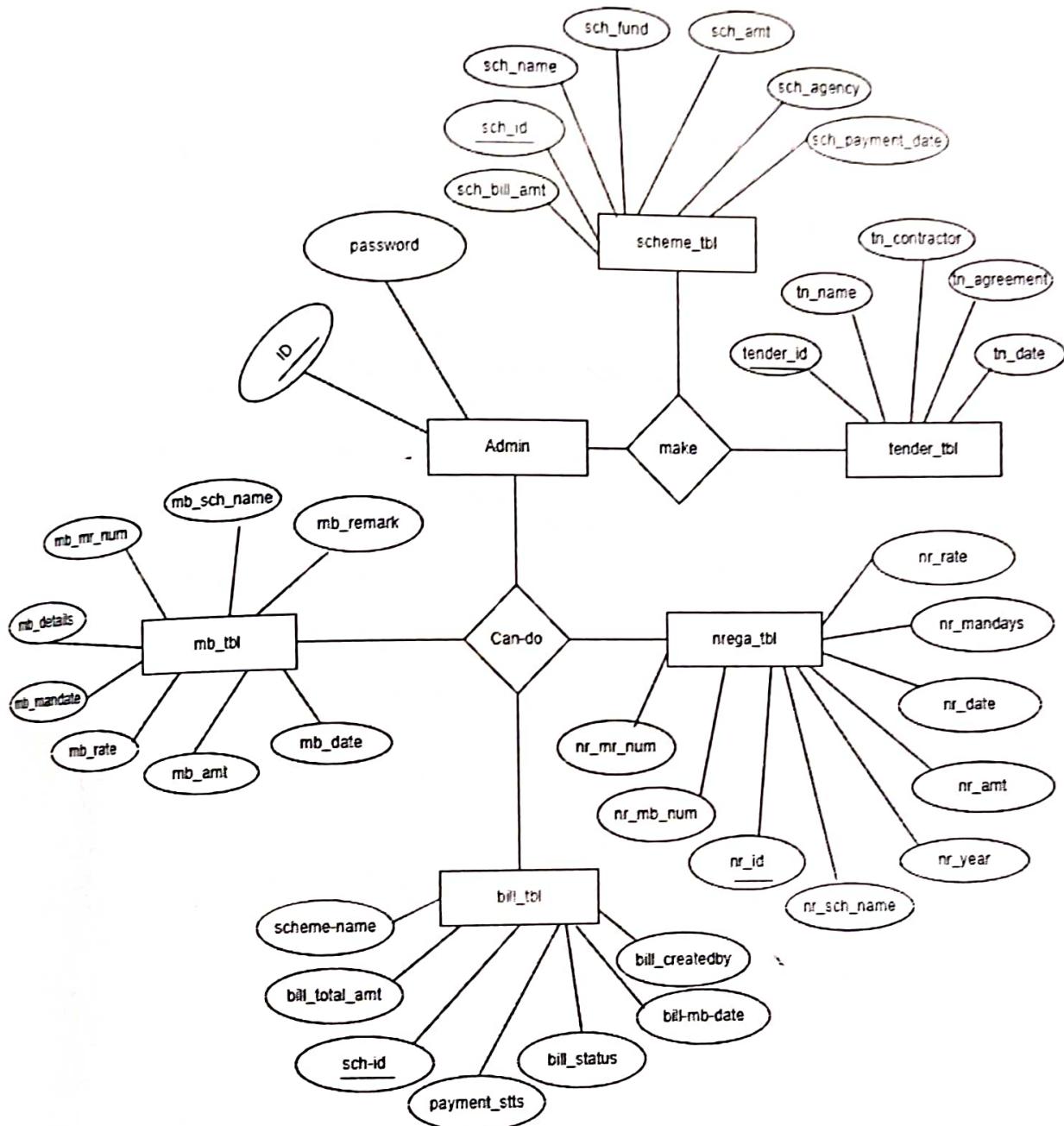
### 3.1.4 nrega\_tbl

S. No	Name	Type	Constraint
1.	nr_id	Varchar(20)	---
2.	nr_sch_name	Varchar(70)	Primary key
3.	nr_year	Number(10)	---
4.	nr_amt	Varchar(70)	---
5.	nr_date	Number(20)	---
6.	nr_mr_num	Varchar(7)	---
8.	nr_mb_num	Varchar(10)	---
9.	nr_mandate	Varchar(10)	---
10.	nr_rate	Varchar(10)	---

### 3.1.5 bill\_tbl

S. No	Name	Type	Constraint
1.	Sch_id	Varchar(20)	Primary Key
2.	scheme_name	Varchar(45)	---
3.	bill_total_amt	Varchar(15)	---
4.	payment_stts	Varchar(15)	---
5.	bill_status	Varchar(10)	---
6.	bill_mb_date	Number(15)	---
7.	bill_createdby	Varchar(25)	---

### 3.2 Entity Relationship



## **CHAPTER 4 : TESTING**

## Chapter 4: Testing

### 4.1 Unit Testing

Unit testing focuses verification efforts on the smallest unit of software design module. The unit test is always white box oriented. The tests that occur as a part of unit testing are testing the module interface examining the local data structures, testing the boundary conditions, execution all the independent path and testing error-handling paths.

#### SECTION: Login

##### Test Case: Mandatory test (Unit test)

Main Test Case ID	Element Name
M1	Email ID
M2	Password

##### Test Result

Test Case Id	Element Name	Element Type	Input	Expected Result	Actual Result	Test Result
M1	Email-ID	Input Box	admin@gmail.com	No Error	No Error	Passed
M1	Email-ID	Input Box	No Input	Error	Error	Passed
M2	Password	Input Box	1234	No Error	No Error	Passed
M2	Password	Input Box	No Input	Error	Error	Passed

## 4.2 Integration Testing

Integration testing test that the interface between two software unit or modules are working properly or not. After performing unit testing, we perform the integration testing by connecting the different interfaces with each other and checks that they are giving correct result or not. This testing results with the correct output.

### Test Result

Test Case ID	Element Name	Element Type	Input	Expected Result	Actual Result	Test Result
Test Case 1	Login	Text Box	No Input	Error	Error	Passed
Test Case 2	View scheme	Text Box	Ujjawala yojana	Show Subject	Show Subject	Passed
Test Case 1	Login	Text Box	<u>admin@gmail.com</u> 1234	No Error	No Error	Passed
Test Case 2	View Scheme	Form	No Input	Error	Error	Passed
Test Case 4	Add scheme	Form	No Input	Error	Error	Passed
Test Case 4	Add scheme	Form	Manpura girevar road	No Error	No Error	Passed

### 4.3 SYSTEM TESTING:

System testing is a comprehensive software testing phase where the entire integrated system is tested as a whole to validate its behavior and functionality against specified requirements.

**1. Functional Testing:** Functional Testing involves validating that each function of software application operates as expected, adhering to defined requirements and specification.

Test Case

Test Case ID	Test Case Scenario	Input/Test Data	Pass Condition	Fail Condition	Test Result
Test Case 1	Add Scheme Functionality	Add scheme by fill all the necessary option.	Filled audits are displayed	Irrelevant record or error displayed.	Pass
Test Case 1	Add Tender Functionality	Add tender data Related to the scheme	Filled record displayed	Irrelevant record or mistake data displayed	Pass
Test Case 2	Add Bill	Add bill details carefully.	Bill record displayed	Wrong filled data displayed	Pass
Test Case 2	Search Nrega	Nrega search through a list or manually	Successfully displayed data.	If wrong data insert, which is not present in database then error occurred	Pass

**2. Non Functional Testing:** Non functional testing focuses on evaluating aspects such as performance, usability, security and error handling of software ensuring it meets quality attributes beyond functional requirements.

### I. Performance Testing:

Test Case ID	Test Case Scenario	Test Description	Pass Condition	Fail Condition	Test Result
Test Case 1	Response Time Testing	Measure System Response Time.	Responses are generated within acceptable time frames.	Response time exceeds threshold.	Pass
Test Case 2	Load Testing	Evaluate system performance under load.	System handles unexpected load.	System crashes	Pass

### II. Usability Testing:

Test Case ID	Test Case Scenario	Test Description	Pass Condition	Fail Condition	Test Result
Test Case 3	User Interface Testing	Evaluate UI design and usability.	User can easily navigate through system and performance task without confusion and frustration.	UI is cluttered and confusing, leading to errors and users dissatisfaction	Pass

### III. Error Handling Testing:

Test Case ID	Test Case Scenario	Test Description	Pass Condition	Fail Condition	Test Result
Test Case 4	Exceptional Handling Testing	Evaluate system's response to exceptions.	System handles the exceptions gracefully and provide meaningful error messages.	System crashes or data loss error.	Pass

## **CHAPTER 5 : IMPLEMENTATION**

## Chapter 5: Implementation

The implementation phase of the Software Development Life Cycle (SDLC), is a critical stage where the software solution is actually built and put into operation. Here are some key aspects of the implementation phase:

### **5.1 Integrated Development Environment (IDE) Setup**

Following are some software which are being used in the development of VAH Module:

#### **1. Visual Studio Code:**

- I. Go to the official website <https://visualstudio.microsoft.com/download/>
- II. Click on the download button for the version of VS, you want to install.
- III. Choose the components you want to install such as, language, frameworks.
- IV. Click on the “install” button to start the installation process.
- V. Follow the installation wizard and select the options that suits your needs.

#### **2. PHP:**

- I. Go to the official website.
- II. Select the appropriate version of PHP for your operating system.
- III. Click on the download button to start the download.
- IV. Once the download is complete then run the installer.
- V. Setup the PHP development server like XAMPP, choose the IDE or code editor for writing PHP code.
- VI. The project involves interacting with the database, design the database schema, determine the tables, fields and relationships between them. Choose the database management system such as MYSQL.
- VII. Create the necessary PHP files to handle different parts of your project. Implement the core using the PHP. Including handle forms, processing user inputs and interacting with database.
- VIII. Web used MYSQL in localhost through XAMPP or web browser. The project's implementation phase focus on turning the suggested improvement of village administration hub.
- IX. Follow the installation wizard and select the options that suits your needs.

## **5.2 Technologies/Libraries Used**

Following are libraries which are being used in the development of VAH Module:

**1. React.JS:** React.JS is a popular open-source JavaScript library for building user interfaces, developed by Facebook. It is widely used for creating interactive and dynamic web applications with a focus on component-based architecture and efficient rendering.

**2. Node.JS:** Node.js is an open-source, cross-platform JavaScript runtime environment that allows developers to run JavaScript code outside of a web browser. It is built on Chrome's V8 JavaScript engine and provides an eventdriven, non-blocking I/O model that makes it lightweight and efficient for building scalable network applications.

## **5.3 Development Environment Setup**

Following are the steps used to setup the development environment for VAH Module.

### **1. Frontend Application:**

- i. Create a New React App, using command "npx create-react-app my-react app".
- ii. Navigate to the project directory using command "cd my-react-app".
- iii. Now start the development server by running the command "npm start".
- iv. You can access your React application in your web browser at "<http://localhost:3000>".

### **2. Backend Application:**

- i. Go to the official Node.js website:
- ii. Once Node.JS is installed, initialize node app by using "npm init".
- iii. Now, install dependencies as per the requirement of project.
- iv. You can access your Node application in your web browser at "<http://localhost:4000>".

### **3. Version Control System:**

- i. Download and install Git from the official website:
- ii. Once Git is installed, you can create a new repository for your project.

## 5.2 Technologies/Libraries Used

Following are libraries which are being used in the development of VAH Module:

1. **React.JS:** React.JS is a popular open-source JavaScript library for building user interfaces, developed by Facebook. It is widely used for creating interactive and dynamic web applications with a focus on component-based architecture and efficient rendering.

2. **Node.JS:** Node.js is an open-source, cross-platform JavaScript runtime environment that allows developers to run JavaScript code outside of a web browser. It is built on Chrome's V8 JavaScript engine and provides an eventdriven, non-blocking I/O model that makes it lightweight and efficient for building scalable network applications.

## 5.3 Development Environment Setup

Following are the steps used to setup the development environment for VAH Module.

### 1. Frontend Application:

- i. Create a New React App, using command "npx create-react-app my-react app".
- ii. Navigate to the project directory using command "cd my-react-app".
- iii. Now start the development server by running the command "npm start".
- iv. You can access your React application in your web browser at 'http://localhost:3000'.

### 2. Backend Application:

- i. Go to the official Node.js website:
- ii. Once Node.JS is installed, initialize node app by using "npm init".
- iii. Now, install dependencies as per the requirement of project.
- iv. You can access your Node application in your web browser at 'http://localhost:4000'.

### 3. Version Control System:

- i. Download and install Git from the official website:
- ii. Once Git is installed, you can create a new repository for your project.

## 5.4 Development Activities

Following are the activity done for VAH Module:

1. **Coding:** This involves writing algorithms, functions, classes, and other programming constructs to create the desired features and behaviour of the VAH (Village Administration Hub).

2. **Implementing Design Specifications:** Implementing design specifications involves taking the high-level design concepts and turning them into detailed technical designs that can be translated into code. Implementing design specifications ensures that the development team has a clear understanding of the requirements and how they will be implemented in the code.

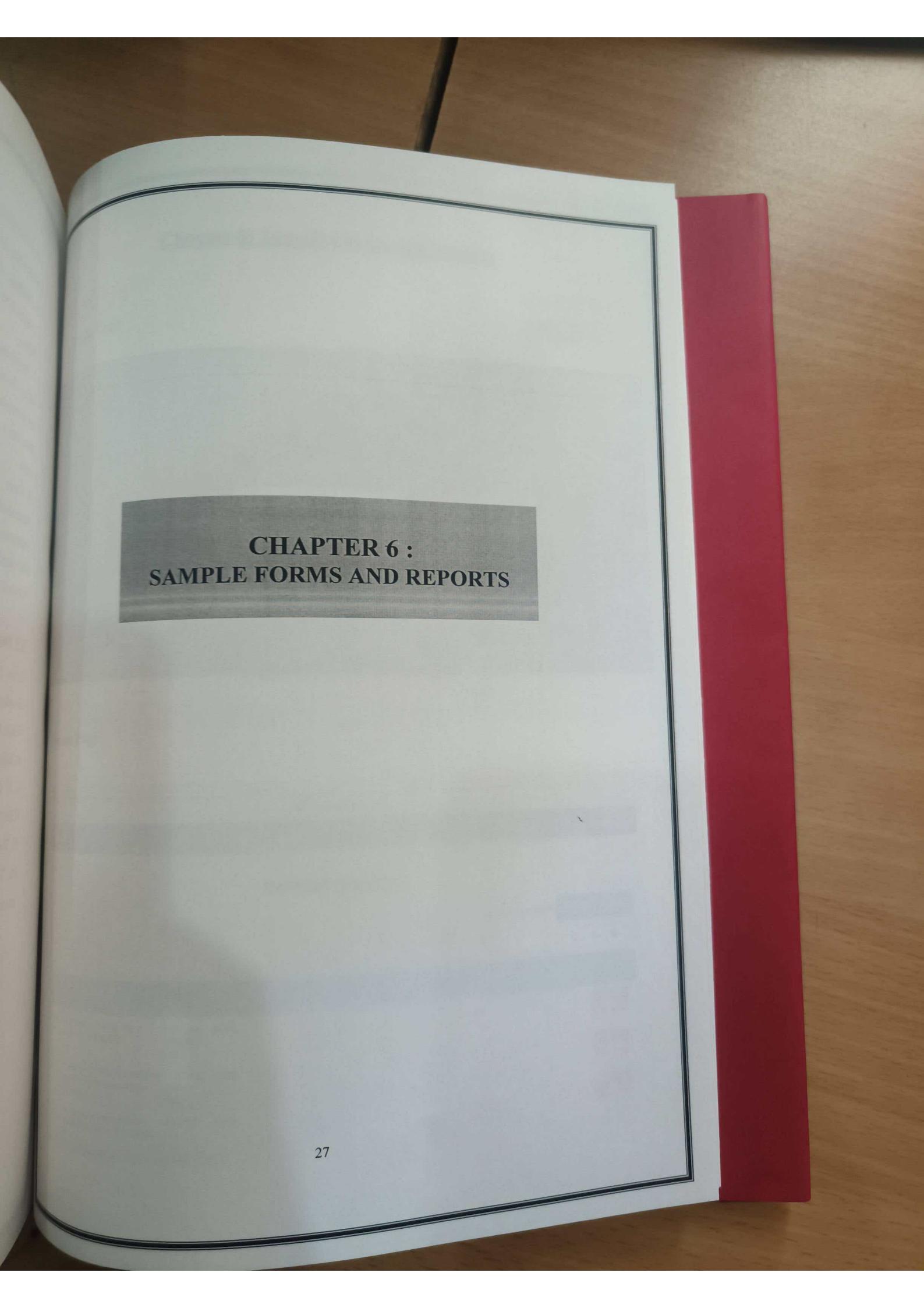
3. **Code Review:** During code review, developers examine the code for readability, maintainability, efficiency, and correctness. They may also provide feedback, suggestions for improvement, and identify potential issues or areas of concern. Code review helps maintain code quality, fosters knowledge sharing among team members, and reduces the likelihood of introducing defects into the codebase.

## 5.5 Deployment

In the Software Development Life Cycle (SDLC), deployment is the phase where the developed software is released and made available for use by end-users or customers. VAH Module is deployed using the AWS Cloud Services.

### a. Deployment Architecture:

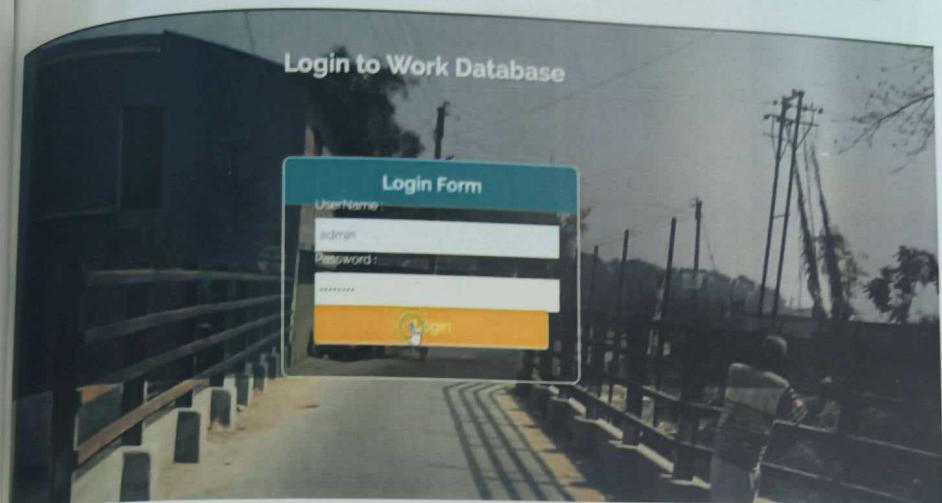
- i. A database is deployed and served using AWS managed database service (AWS RDS).
- ii. The backend is deployed on a server with public IP using AWS EC2 Server.
- iii. The frontend application is deployed and served on AWS S3. All the application components reside within an AWS VPC in a region



**CHAPTER 6 :**  
**SAMPLE FORMS AND REPORTS**

## Chapter 6: Sample Forms and Reports

Login Page:



Home Page:

GP Dashboard

Welcome : admin Log Out MR Entry Add

Q Search C 10 -

### Scheme Database

Scheme Name	Name of Project	Amount	Bank	Name of Agency	Mode of Grant	MR Details	BS Amount	Second Details	Approved Date	Remarks	Comments
10	Upgradation of road from the the house of A to house of B	500000	X	Civcon Engineering System			0	0	1970-01-01		
11	Reconstruction of PHE pipeline from PHE pumpset at Kankapur via Nachandapur (Chhapay)	300000	LXI	XYZ			0	0	1970-01-01		
12	Construction of PCC road from the house of Babu Hira towards Samruddhi Kosa	300000	XI	Famecon Enterprise			0	0	1970-01-01		

### Add Scheme:

Select Fund: CGFD RG-2018-19 1st

Enter Scheme Name:   
 Construction of road from the house of A to house of B

Enter Estimated Amount: 300000

Enter Sansad Name: X

Enter AAP No: CGFD

Enter Tender Details: 373/17 Date-23/11/2017

Name of Agency: N/A

Enter MB Details

Enter Bill Details

Enter Bill Amount

Enter Labour Cess Details

Enter Income Tax Details

Enter SGST Details

Enter CGST Details

Enter Security Deposit Details

Log Out    MR Entry    Add

### Manage Scheme:

GP Dashboard

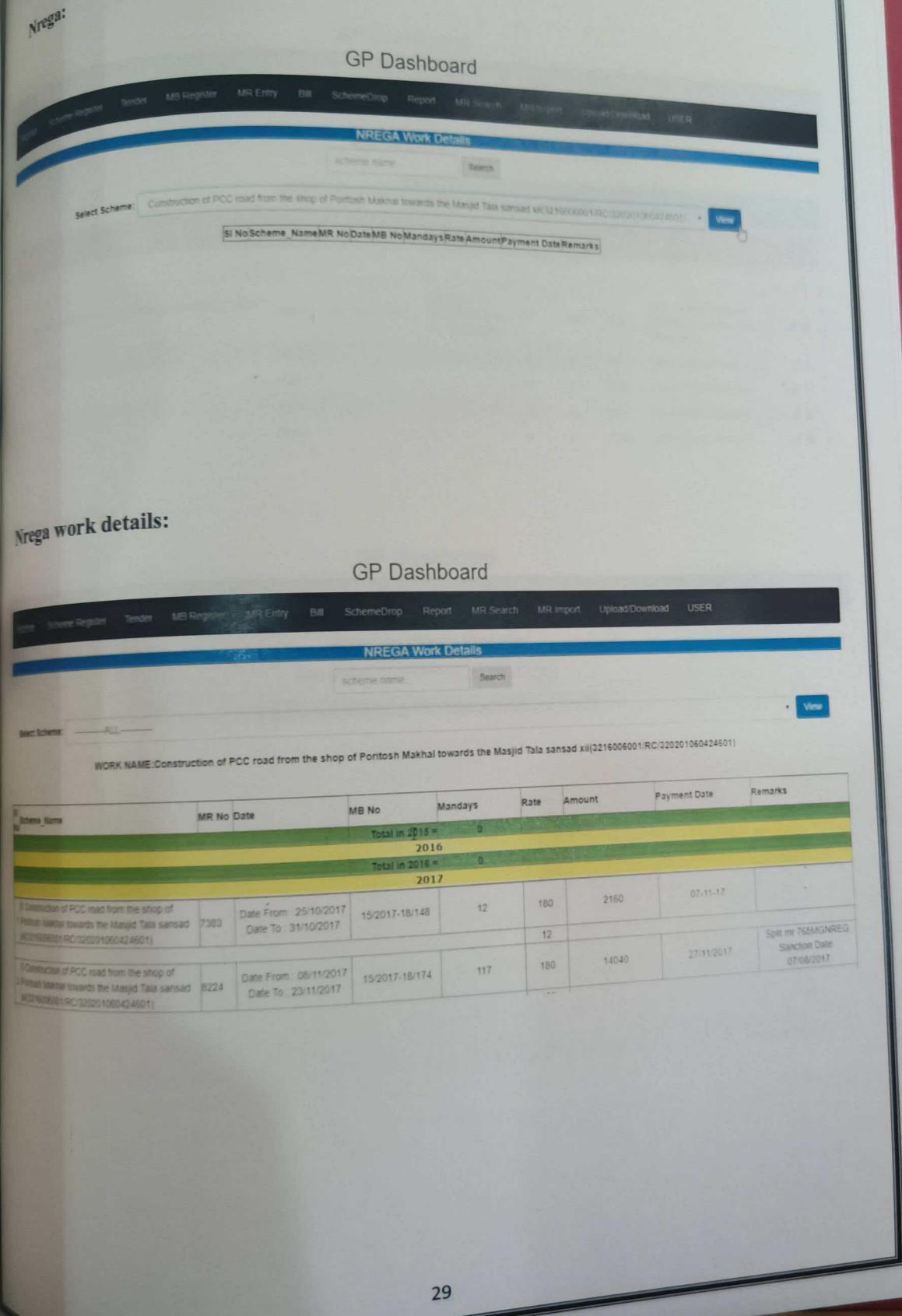
Scheme Register    Tender    MB Register    MR Entry    Bill    SchemeDrop    Report    MR Search    MR Import    Upload/Download    USER

Manage Scheme Forms

[Display All Data](#)

S/N	Name of Scheme	Work Order	MB Details	Date	Estimated Amount	Name of Agency	Remarks	Forms
1	PCC Road from the house of Kamala Das towards the house of Sachin Bera	100000	MB-131-148	30/11/2017	100000	PATRA ENTERPRISE	180629	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>RD FORM</b></p> <p>1. Acceptance</p> <p>Work Order</p> <p>Contract</p> </div> <div style="text-align: center;"> <p><b>SD FORM</b></p> <p>1. Acceptance</p> <p>Work Order</p> <p>Contract</p> </div> </div>
2	PCC road from the house of Hanun towards the house of SK Samsaddin	175000	MB-99-114 Dt. 24/11/2017	01/01/1970	175000	PATRA ENTERPRISE	CH-180629 01-12-17	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>RD FORM</b></p> <p>1. Acceptance</p> <p>Work Order</p> <p>Contract</p> </div> <div style="text-align: center;"> <p><b>SD FORM</b></p> <p>1. Acceptance</p> <p>Work Order</p> <p>Contract</p> </div> </div>
3	PCC Road from the house of Jamsed Sk towards the house of Ajad	100000	01/PBG/2017-18 Dt-	21/11/2017	100000	N	CH-	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>RD FORM</b></p> <p>1. Acceptance</p> <p>Work Order</p> <p>Contract</p> </div> <div style="text-align: center;"> <p><b>SD FORM</b></p> <p>1. Acceptance</p> <p>Work Order</p> <p>Contract</p> </div> </div>

28



MB:

## GP Dashboard

Scheme Register    Tender    MR Register    MR Entry    Bill    SchemeDrop    Report    MR Search    MR Import    Upload/Download    USER

### MB DATABASE

Welcome : admin Log Out    Work Database    MR Entry    MR Search 2017-18    MR Search 2015-16

mr_no	mb_details	date1	manpower	amount	Remarks	+
16662	148/2016-17/001	Date From : 04/03/2016 Date To : 10/03/2016	7	174	1218	2015-16 Work Payment 227NREGA Sanction Date : 29/02/2016
16673	-	-	0	0	348	2015-16 Work Payment
16701	-	-	0	0	1218	2015-16 Work Payment
16696	-	-	0	0	174	2015-16 Work Payment
16669	-	-	0	0	1218	2015-16 Work Payment

Agency details :

## GP Dashboard

Scheme Register    Tender    MR Register    MR Entry    Bill    SchemeDrop    Report    MR Search    MR Import    Upload/Download    USER

### Agency Work Details

Select Scheme : BS ENTERPRISE    Find

SI No	Scheme	Name	Value	Sansad	Tender	Work Order	Agency	MB	Remarks
-------	--------	------	-------	--------	--------	------------	--------	----	---------

## TENDER[Agency work details]:

### GP Dashboard

Agency Work Details						
Select Scheme : ALL Find						
WORK DONE BY BS ENTERPRISE						
Work Scheme Name	Value	Sansad	Tender	Work Order	Agency	MB
Implementation of Road from the house Dibakar Sarla towards Uttra Mandi	225000	X	77/BUITA/2018 Date 27/02/2018 Opening - 14/03/2018	138/Bulat/18 Dt. 15/03/2018	BS ENTERPRISE	CFCG 2017-18 1st
Implementation of Road from the house Shreyas Ghosh towards Gobinda Ghosh	225000	XI	77/BUITA/2018 Date 27/02/2018 Opening - 14/03/2018	137/Bulat/18 Dt. 15/03/2018	BS ENTERPRISE	CFCG 2017-18 1st 11/10/2018 Page 01 to 19
Implementation of road with protection wall from the house of Basanta Sarker towards the house of Akash Kanti	200000	X	78/BUITA/2018 Date 28/02/2018 Opening - 15/03/2018	136/Bulat/18 Dt. 15/03/18	BS ENTERPRISE	CFCG 2017-18 1st 11/10/2018 Page 01 to 19
Implementation of road from the house of Nabin Sarkar towards Tarapada Sarker	230000	XI	78/BUITA/2018 Date 28/02/2018 Opening - 15/03/2018	135/Bulat/18 Dt. 16/03/2018	BS ENTERPRISE	CFCG 2017-18 2nd

## Tender Agency Data:

### GP Dashboard

Manage Scheme Forms							
Display All Data							
No	Name of Scheme	Work Order	MB Details	Date	Estimated Amount	Name of Agency	Remarks
1	PCC Road from the house of Kamala Das towards the house of Sachin Deka	100000	MB -121-146	30/11/2001	100000	PATRA ENTERPRISE	130609
2	PCC Road from the house of Hemu towards the house of Sk Samsadan	175000	MB-59-114 Dt. 24/11/2017	01/01/1970	175000	PATRA ENTERPRISE	CH - 130608 01-12-17

## Tender Acceptance Letter:

Sub: Tender Acceptance

Ref ID: 378/09/17  
Date: 25/01/2017

Mr. \_\_\_\_\_  
We inform you that the Aatho-O-Parkalpona Upa Samiti of \_\_\_\_\_ Gram Panchayat has accepted your financial bid dated 04/03/2016 for  
execution of the scheme stated below.

Scheme No. \_\_\_\_\_

Name of Scheme : Upgradation of road from the the house of A to house of B

Accepted Bid Amount : 297000

You are requested to execute a formal contract with the Pradhan, \_\_\_\_\_ Gram Panchayat on Non-Judicial Stamp paper worth of Rs. 10.00 within seven  
days from the date of receipt of the letter of acceptance failing which his tender shall automatically stand rejected and his earnest money shall be  
refunded.

Thank You.

Signature of Pradhan  
\_\_\_\_\_  
Gram Panchayat

Get PDF

Please download:

GP Dashboard

Logout    Income Register    Tender    MS Register    MR-E Entry    Bill    SchemeDrop    Report    MR Search    MR Import    Upload/Download    USER

The document  
Choose file: No file chosen

Upload    Scheme ID: \_\_\_\_\_

## GP DashBoard

Measurement List						
Show	entries	Total Amount	Payment Status	Status	Measurement Date	Created By
34	Scheme Name	41420.00	Not Paid	Not Paid	2019-03-14	John Smith
33	Improvement of road with drain from Mohan Khan towards Moshimuddin	27496.64	Not Paid	Not Paid	2018-11-05	John Smith
32	ROAD FROM	9238.80	Not Paid	Not Paid	2019-03-05	John Smith
31	Agneya Das	1768.28	Not Paid	Not Paid	2019-02-12	John Smith
30	Name of work: Piling from Rishabh Aman towards SK Hossain	95181.80	Not Paid	Not Paid	2019-02-02	John Smith
29	Measurement	44576.22	Not Paid	Not Paid	2019-01-03	John Smith

## Bill form

Measurement List

Show	entries
34	Scheme Name
33	Improvement of road with drain from Mohan Khan towards Moshimuddin
32	ROAD FROM
31	Agneya Das
30	Name of work: Piling from Rishabh Aman towards SK Hossain

Create Measurement

Enter Scheme Name

Enter Location

Enter Measurement Details

Labour for taking out old soiling edging including rem

100

Select Payment Status

GP

Date

Search

John Smith

Add

View Edit

Update

Delete

View Edit

Update

Delete

View Edit

Update

Delete

View Edit

Update

Delete

Bill Gersbach

Sum of cost of supplies (grouped under sub head and sub work of estimate.)

Description of work or quantity (grouped under sub head and sub work of estimate)	Reference to measured measurement rates and rates			Rate	Quantity	Total	Amount
	Book No	Page	Rate				
Labour to lay out all existing piping excluding main piping to Single floor ceiling				4.11	129	129	117.3
Labour to lay out piping within department blocks excluding coverage of department blocks within a head of 120 mm, separation of floor to ceiling and brick walls properly filled in and packed with brick mortar properly filled in and packed with brick mortar and including necessary reduction of similar materials below the ceiling and in between areas where main piping to be laid. The rates included the use of obtaining brick sand or powdered earth in Single brick for ceiling thickness 12 mm.				35.94	99	99	1,782.00
Labour to lay out department blocks all complete				29.30	100	100	3,000.00
							33,792.00
Deduction for Contractor Loss Quantum of 12 Acre							
							Total Bill Amount 33,792.00

### Summary of New Species

 Generate

<sup>10</sup> See, for example, the critique of East German improvements by the conservative

## II - MEMORANDUM OF PAYMENTS

III - MEMORANDUM OF PAYMENTS			
Particulars	Rate	Amount (Rs.)	Remarks
One year of taxes were actually remitted		33,768	
CGT GST	Rs.	2,328	
CGT CST	Rs.	2,328	
Total One year CGT		43,424	
Net Lower Cess	Rs. 2%	434	
Total One year CGT & 1 Cess ( Gross Amount)		43,856	
Debit Income Tax Deducted at Source ( Gross Amount)		388	
Debit Lower Cess		434	
Debit Debit TIN OF CGT - CGST		0	
Debit TIN OF CGT - CST		0	
Debit Income of Corporation		5,474	
Debit Net Amount in Rs.		38,382	
Debit Particular Amount in Rs.		38,382	
Debit Net Amount in Rs.		38,382	

## **CHAPTER 7 : CONCLUSION**

## Chapter 7: Conclusion

### 7.1 Conclusion:

In conclusion, addressing the recurring issues of server downtime and internet connectivity is imperative for ensuring the effectiveness and accessibility of the village administration hub software. By implementing technical solutions such as offline data access, local server deployment, and robust data synchronization mechanisms, combined with community engagement efforts and capacity building initiatives, we can enhance the resilience and sustainability of governance systems in rural areas. Through collaborative efforts and a commitment to innovation, we can overcome these challenges and empower Gram Panchayats to better serve their communities and promote inclusive development.

Looking ahead, it is essential to prioritize long-term sustainability and resilience in the design and implementation of the village administration hub software. This includes investing in infrastructure upgrades, adopting scalable technologies, and integrating feedback mechanisms to continuously improve functionality and user experience. By embracing innovation and fostering a culture of adaptive governance, we can navigate the complexities of rural governance and empower Gram Panchayats to fulfill their mandate of serving and representing the interests of their communities. In summary, by addressing the root causes of server downtime and internet connectivity issues and adopting a holistic approach that combines technical innovation with community engagement and collaboration, we can create a village administration hub software that is robust, accessible, and responsive to the needs of rural communities.

## Bibliography

The following links are referred during the development and execution phase of the project.

1. <https://www.node.js.org/>
2. <https://www.wpbeginner.com/>
3. <https://getbootstrap.com/>
4. <https://www.youtube.com/>
5. [www.mgnrega.com/](http://www.mgnrega.com/)

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Summary

**FORTNIGHTLY PROGRESS REPORT (PPR-I) FROM INDUSTRY MENTOR**

**FORTNIGHTLY PROGRESS REPORT (PPR-I) FROM INDUSTRY MENTOR**

Items of student	Amitava Chatterjee		Department	B.C.A	
Industry/Organization	W.H. Cellulars		Date/Duration	25-1-2015 to 26-1-2015	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work					✓
Behaviour/Discipline/Team work				✓	
Sincerity/Hard work			✓		
Comment on nature of work done/Area/Topic	Worked on - <del>Software and Application Development</del> 2nd year class				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Mr. Jitendra Singh Mr. Jitendra Singh				
Signature of Industry Mentor	Mr. Jitendra Singh				

Receiving Date	16/2/2015	Name of Faculty Mentor	Mr. Biplob Chatterjee	Sign	
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## Fortnightly Progress Reports

### FORTNIGHTLY PROGRESS REPORT (FPR-2) FROM INDUSTRY MENTOR

#### FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

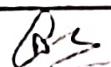
Name of student	३०/३१८ २१६९		Department	MCA	
Industry/Organization	३०. प. लैपटॉप		Date/Duration	०१-२-२४ से १५-०२-२४	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	HTML को अपनाना				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERYGOOD/EXCELLENT				
Name of Industry Mentor	रामेश-०९९९५ २१६९ सरपंच ग्राम पंचायत लद्दाख				
Signature of Industry Mentor	२११२०२४ २१६९ जन. पंचायत भितरवार				

Receiving Date	20/4/24	Name of Faculty Mentor	Dr Anshu Chaturvedi	Sign	
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**Fortnightly Progress Reports**  
**FORTNIGHTLY PROGRESS REPORT (FPR-3) FROM INDUSTRY MENTOR**

**FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY  
MENTOR**

Name of student	विनोद गुप्ता		Department	ECE	
Industry Organization	NIT रुद्रप्रगति		Date/Duration	16.06.24 to 09.07.24	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality-Timely completion of assigned work				✓	
Learning capacity-Knowledge up gradation				✓	
Performance-Quality of work				✓	
Behaviour-Discipline/Team work					✓
Sincerity-Hard work				✓	
Comment on nature of work done/Area Topic	HTML व CSS का काम/ UI/UX डिजाइन				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	रमेश कुमार		प्ररक्ष्या नियंत्रण लक्ष्यार्थी		
Signature of Industry Mentor	रमेश कुमार		नियंत्रण लक्ष्यार्थी		

Receiving Date	5/3/24	Name of Faculty Mentor	Dr. Anshu Chaturvedi	Sign	
----------------	--------	------------------------	----------------------	------	---------------------------------------------------------------------------------------

**Fortnightly Progress Reports**  
**FORTNIGHTLY PROGRESS REPORT (FPR-4) FROM INDUSTRY MENTOR**  
**FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY**  
**MENTOR**

Name of student	2021/22	21/22	Department	MECH	
Industry Organization	GMI T. (MFG) LTD		Date Duration	21/01/24 - 15/02/24	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work			✓		
Learning capacity/Knowledge up-gradation				✓	
Performance/Quality of work			✓		
Behavior/Discipline/Team work				✓	
Society/Hard work				✓	
Comments on nature of work done Area Topic	CSS	PC	JS	42	आगामी प्रतीक्षा

OVERALL GRADE (Avg. out)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT
Name of Industry Mentor	21/01/24 21/24 सरपंच
Signature of Industry Mentor	21/01/24 21/24 श्रान पंचायत लदवाया जन पंचायत नितरदार

Receiving Date	19/3/24	Name of Faculty Mentor	Dr. Ashish Chaharadi	Sign	(Signature)
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# Fortnightly Progress Reports

## FORTNIGHTLY PROGRESS REPORT (FPR-5) FROM INDUSTRY MENTOR

### REPORT (FPR) FROM INDUSTRY

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY  
MENTOR

Name of student	२१८८८८ २१६९	Department	MCA
Industry Organization	सत. प. नेशनल	Date/Duration	१६-०३-१४ से ३०-०३-१४
Criterion	Poor	Average	Good
Punctuality/Timely completion of assigned work			✓
Learning capacity Knowledge up gradation			✓
Performance Quality of work			✓
Behaviour/Discipline/Team work			✓
Sincerity/Hard work			✓
Comment on nature of work done/Area/Topic	Backend पर वर्तमान में।		
<u>OVERALL GRADE (Any one)</u>	<u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u>		
Name of Industry Mentor	२१८८९२१८ २१६९	ग्राम पंचायत लद्दा. जन. पंचायत मित्र	
Signature of Industry Mentor	२१८८९२१८ २१६९		

Receiving Date	16/4/24	Name of Faculty Mentor	Dr. Ansu Chattuvali	Sign	
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Fortnightly Progress Reports  
FORTNIGHTLY PROGRESS REPORT (FPR-6) FROM INDUSTRY MENTOR

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY  
MENTOR

Name of student	गोविंद २११८१		Department	MCA	
Industry/Organization	डी.पी.एस.टी.सी.		Date/Duration	०१/०४/२४ से १५/०४/२४	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity Knowledge up gradation				✓	
Performance Quality of work			✓		****
Behaviour/Discipline/Team work				✓	
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	Backend पर डाटा विकास 2291				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERYGOOD/EXCELLENT सरपंच				
Name of Industry Mentor	२१८२-८२२४ २१६७ ग्राम पंचायत लद्दा जम. पंचायत नितर				
Signature of Industry Mentor	२१८२-८२२४ २१६७				

Receiving Date	१६/४/२४	Name of Faculty Mentor	Dr. Anil Chitkara	Sign	
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Fortnightly Progress Reports  
FORTNIGHTLY PROGRESS REPORT (FPR-7) FROM INDUSTRY MENTOR

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY  
MENTOR

Name of student	०७०९८८८५५५५		Department	MCN	
Industry/Organization	०८१.८१.८५५१२१		Date/Duration	१६-०४-२४ - ३०-०४-२४	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work					✓
Behaviour/Discipline/Team work				✓	
Sincerity/Hard work			✓		
Comment on nature of work done/Area/Topic	Backend का काम एमारी विडो का काम लेटे रखते हुव यह किसी				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	२१८८८८८८५ २१६९ ग्राम पंचायत लद्दाख जन. पंचायत भितरवार				
Signature of Industry Mentor	२१८८८८८५ २१६९				

Receiving Date	१६/४/२४	Name of Faculty Mentor	Dr. Anusha Chitwadi	Sign	(A)
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