**A PROJECT REPORT ON**

# RURAL WORKLINK:
# A WEBPORTAL FOR NREGS

**Dissertation Submitted**

In partial fulfillment of the requirement for the award of the degree
of

**BACHELOR OF COMPUTER APPLICATIONS**

**of**

**KERALA UNIVERSITY**

**By:**

**ALFIN JOSE (Reg.No. - 33221157003)**

**ASWIN SAJEESH (Reg.No. - 33221157005)**

**BIPIN M.B (Reg.No. -33221157007)**



**MAR CHRYSOSTOM**
**COLLEGE PARANTHAL-**
**ADOOR**

**April 2024**

# MAR CHRYSOSTOM COLLEGE

# PARANTHAL, ADOOR



# CERTIFICATE

This is to Certify that this project report entitled **"RURAL WORKLINK : A WEBPORTAL FOR NREGS"** is a bonafide record of the project work done by,

| | |
|---|---|
| **ALFIN JOSE** | **(33221157003)** |
| **ASWIN SAJEESH** | **(33221157005)** |
| **BIPIN M.B** | **(33221157007)** |

Under our supervision and guidance, towards *partial fulfilment of the requirements for the award of the Degree of BACHELOR OF COMPUTER APPLICATION* of **University of Kerala** during the year 2021-2024

**Geethu S Nair**                                                         **Saramma John**

**Project Guide**                                                          **Head of Department**

**External Examiner**

# DECLARATION

We**, ALFIN JOSE (REG. No. 33221157003), BIPIN M.B (REG. No. 33221157007), ASWIN SAJEESH (REG. No. 33221157005)** declares that the project on "**RURAL WORKLINK : A WEBPORTAL FOR NREGS"** is the result of original work done by us and to the best of our knowledge, a similar work has not been submitted earlier to the **University of Kerala** or any other Institution, for fulfillment of the requirement of a course of study.

This project report is submitted on partial fulfillment of the requirement for the degree of Bachelor of Computer Applications of University of Kerala

**ALFIN JOSE**

**ASWIN SAJEESH**

**BIPIN M.B**

# ACKNOWLEDGEMENT

We with our utmost courteousness and gratitude submit our implacable praises to the **Omnipotent Almighty** for having bestowed his grace and blessings over us to accomplish this task of project dissertation.

We extend our sincere thanks to **Prof. ITTY VARGHESE** (Principal, Mar Chrysostom College),

**Ms**. **SARAMMA JOHN** (HOD- BCA Department, Mar Chrysostom College),

**Ms. GEETHU S NAIR** (Internal Guide, Mar Chrysostom College) for their valuable advice, inspiration, whole hearted support and guidance at every aspect of this project.

We would like to express our sincere thanks to **TRINITY TECHNOLOGIES**, officials for providing us a chance to do project in their esteemed organization.

**ALFIN JOSE**

**ASWIN SAJEESH**

**BIPIN M.B**

# CONTENTS

# INTRODUCTION

## 1. INTRODUCTION

### 1.1 ABOUT THE PROJECT

"India lives in its villages". This statement of Mahatma Gandhi, the Father of the Nation, is relevant even today from the political, social and economic perspectives of India. Over the past two decades India has emerged as one of the fast growing economies in the world with far-reaching changes in its rural economy as much as in the overall economy. Of all the emerging economies, India remains predominantly rural with about seventy percentage of its population and about sixty-five percentage of its workforces still working and living in rural areas. Although by the middle of the last decade more than half the world's population was living in urban areas, there is continuing rapid movement of population to urban areas. India will remain home to the largest rural population in the world even in 2050 – even if its rural population shrinks to about 30 percentage.

Poverty and unemployment constitute the two major concerns of rural development programmes. While confronting the twin problems of poverty and unemployment, farm and rural non-farm sectors (RNFS)received varying emphasis over the years. However, it is increasingly being felt that agriculture traditionally employing more than three-fourths of rural workforce no longer holds the key to additional job creation on account of increasing population. Rural life in India is characterised by poverty, unemployment, as well as poor and inadequate infrastructure, and these will have a cascading effect on urban centres by causing slums and economic and social tension. Hence, the development of rural areas received more attention by way of the various schemes designed for the development of Indian economy. The unemployment scenario in the country over the years is quite a substantial evidence of rural backwardness and all sorts of developmental needs. This makes it all the more important to understand the processes of change in rural India in the context of relatively rapid growth.

The main objective of this paper is to provide job opportunities to all NREGS groups in a particular area by assigning them works to help serve the general public. This can create a lot of scope for people to have a job and have a fixed income to serve their family.

### 1.2 PROJECT OVERVIEW

1. Administrator Admin have the power to control of the function of the entire portal. The main functions of admin are:

    a. Manage district admin: Admin adds all the details of district admin who controls the functions of each district.

    b. Manage account: The details about the work pay is added by admin

    c. View complaints: Admin can view the complaints of user in order to take necessary actions.

    d. View NREGS details: Details about all the NREGS can be viewed

2. District Admin: Admin assigns district admin for each district in order to simplify and control each districts function. The main functionality of district admin are :

    a. Manage panchayat Admin: district Admin adds all the details of panchayat admin who controls the functions panchayat.

    b. Search NREGS details: All the details about NREGS can be viewed.

    c. View complaints: District Admin can view the complaints of user in order to take necessary actions.

    d. View panchayat details: All the details about the pachayat can be viewed.

3. Panchayat admin: District admin assign panchayat admin for every panchayat under which NREGs works. The main functionalities of panchayat admin are :

    a. Add NREGS details: All the details about NREGS that is, details about members, convener etc are added by panchayat admin.

    b. Manage member request: Panchayat admin can view all the request of members in nregs and take necessary action.

    c. Manage work: Panchayat admin should approve the works requested by user and should assign to NREGS.

    d. View work details: All the details about the works of each NREGs can be viewed by the admin. Such as active work, works waiting for approvals, completed work etc..

4. NREGS: The main functionalities of NREGS are:

    a. Manage Assigned Work: They assign works to each member.

    b. Manage Attendance: NREGs add the attendance details of the members who came to work

    c. View Completed Work: They can view the details of completed work.

    d. View Messages: They can view messages of users

5. User: The main functionalities of user are:

      a. Registration: User can register to this portal

      b. post job: They can add their job request

      c. Add complaints: They can add complaints

## 1.3 ORGANIZATION PROFILE

Trinity Technologies is the leading versatile company that delivers technology based educational support and other IT enabled services training, located in Trivandrum. Trinity Technologies was pioneered in 2009 and has now emerged as a paramount firm in the field of IT

Trinity Technologies provides a portfolio of end-to-end IT solutions, including technical consulting, software development, network support, system management and software testing. Our company is facilitated with most modern infrastructure and high class technically qualified employees to ensure client satisfaction. Our software and network sector had made incredible performance which made us a benchmark to others. We are built on a solid foundation of high-end computers and devices which would help us to provide innovative technologies for our students. Our Project development wing had already made their presence in the field of project guidance for plenty of colleges and organizations. We hold ourselves liable to our students by honoring our commitments. Our close-knit team of multi-platform certified faculty who has real time exposure over various technologies, will aid a student's enthusiasm for knowledge. Our meticulous accost of assessing students would help us to corner their qualms within no time.

As a company, value integrity, honesty and openness to our clients and students. The continual self assessment and improvement are making us leaders among others. Our untiring passion for technology will always lure us to take big challenges and pride ourselves on seeing them through. We take superlative heed to constantly update and improve our services and courses to continually evolve ourselves to be in the best position. Our vision is to be a globally esteemed company that provides diversified IT solutions which offer technology to its full extend.

# SYSTEM ANALYSIS

## 2. SYSTEM ANALYSIS

System analysis is a detailed study of various operations performed by a system and their relationship within and outside of the system. Here the key question is: What must be done to solve the problem? One aspect of analysis is defining the boundaries of a system and determines whether or not the candidate system should consider other related systems. Analysis begins when a user or manager begins a study of the program using the existing system.

During analysis, data is collected on the various files, decision points and transactions handled by the present system. The commonly used tools in system analysis are dataflow diagram, interviews, onsite observation etc. System analysis is application of the system approach to the problem solving using computers. The ingredients are system elements, process and technology. This means that to do system work, one is to understand the system concepts and how the organizations operate as a system and the design appropriate computer based system that will meet the organizations requirements. It is actually customized approach to the use of computer problem solving.

Analysis can be defined as the separation of a substance into parts for study an interpretation, detailed examination. System development revolves around a lifecycle that begins with the recognition of user needs. The critical phase of managing system project is planning. To launch a system investigation, we need a master plan detailing the steps taken, the people to be questioned and outcome expected.

**System analysis can be categorized into four parts:**

- System planning and initial investigation.
- Information Gathering.
- Applying analysing tools for structured analysis.
- Feasibility study.
- Cost/Benefit analysis.

System study or system analysis is the first among the four life cycle phase of a system. System begins when a user or manager requests a studying of a program in either an existing or a project one. It involves studying the base of the organizations currently operating, retrieving and processing data to produce information with the goal of determining how to make it work better. System analysis itself breaks down into stages-Preliminary and Detailed. During

preliminary analysis the analyst and the user list the objectives of the system. To arrive at a preliminary report, the analyst interviews key personnel in the organization and schedule meetings with the users and the management.

Thus the objective of analysis phase of the system –analysis and design exercise is the establishment of the requirement for the system to be acquired, developed and installed. Fact-finding or gathering is essential to any analysis of requirements. In brief analysis of the system helps an analyst to make a clear view of the existing system and thereby can give suggestions for the improvement of the new system. Information's about the organization's policies, goals, objectives, and structure explains the kind of environment that promotes the introduction of computer-based system. It is necessary that the analyst must be familiar with the objectives, activities and the functions of the organizations in which the computer system is to be implemented.

## 2.1 REQUIREMENT ANALYSIS

Requirement Analysis, also known as Requirement Engineering, is the process of defining user expectations for a new. software being built or modified. In software engineering, it is sometimes referred to loosely by names such as requirements gathering or requirements capturing.

**REQUIREMENT ANALYSIS PROCEDURE**

1. Document analysis. User manuals and process documents about the current

system can become helpful in defining software requirements.

2. Interview

3. Observation

4. Workshop

5. Brainstorming

6. Prototyping

7. Collect and Understand Requirements

8. Define Requirements

**2.2 EXISTING SYSTEM**

There is no portal that helps the user to have direct contact to the NREGS groups or people of the area who can help them to solve their requirements. The practise followed is that people should either get the information of such people by enquiring about them from neighbourhood or to go down to an agency to get the information. There is no single portal where details of all these workers are captured.

**2.3 PROPOSED SYSTEM**

To overcome the difficulties faced by general public to solve the issues faced by them, we are proposing a system that helps users to directly connect to the NREGS groups of the area so that their household issues can be solved smoothly. There are 5 modules – Admin, District admin, Panchayath admin, NREGS, and User. Admin can add districts and also account. They can also view complaints. District admin can add panchayath and they in turn can add NREGS groups. Users can login to the portal and post their requirements and the panchayath admin can assign work to NGERS. Panchayath admin can view active and completed works and also view waiting for approval requests as well. User can view status of the job they posted and post completion, they can also add complaints if they have any.

**ADVANTAGES**

 • Entirely transparent system

• Saves lot of time and effort for users.

 • All information updated are credible.

• User friendly portal

• Effective and systematic way of presenting the entire processes involved in NREGS.

• Reduces human involvement as there is no paper work involved and everything is automated

# SYSTEM CONFIGURATION

## 3.SYSTEM CONFIGURATIONS

### 3.1 HARDWARE CONFIGURATIONS

| | | |
|---|---|---|
| Processor | : | Intel Pentium IV/AMD |
| RAM | : | 256 MB |
| Hard Disk | : | 40 GB |
| Drives | : | Optional |
| Display | : | 15" Color Monitor |
| Screen Resolution | : | 800 x 600 pixels |
| Color Palette | : | True Color (24bit) |
| Keyboard | : | PC/AT enhanced type |
| Mouse | : | Logitech PS/2 port mouse |

### 3.2 SOFTWARE CONFIGURATIONS

| | | |
|---|---|---|
| Operating System | : | Windows XP |
| Frontend | : | PHP |
| Backend | : | MY SQL |
| Language | : | PHP |
| IDE | : | Net beans IDE |
| Web Server | : | Apache |
| Web Browser | : | IE/Chrome/Safari/Opera |

### 3.3 SOFTWARE TECHNOLOGY REVIEW

**PHP**

The PHP Hypertext Preprocessor (PHP) is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web based software applications. Rasmus Lerdorf unleashed the first version of PHP way back in 1994. PHP is a server side scripting language that is embedded in HTML. It is faster than other scripting language e.g. asp and jsp.It is integrated with a number of popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server. The PHP code is enclosed in special start and end processing instructions   <?php and ?> that allows

to jump into and out of "PHP mode". PHP performs system functions, i.e. from files on a system it can create, open, read, write, and close them. PHP can handle forms, i.e. gather data from files, save data to a file, through email you can send data, return data to the user.

**MySQL**

MySQL is the most popular Open Source Relational SQL database management system. A database is a separate application that stores a collection of data. Each database has one or more distinct APIs for creating, accessing, managing, searching and replicating the data it holds. The MySQL database is owned, developed and supported by Sun Microsystems, one of the world's largest contributors to open source software. MySQL was originally founded and developed in Sweden by two Swedes and a Finn : David Axmark, Allan Larsson and Michael "Monty" Wideners, who had worked together since the 1980's. The best and the most-used database in the world for online applications. Available and affordable for all continuously improved while remaining fast, secure and reliable. MySQL is a very powerful program in itsown right. It handles a large subset of the functionality of the most expensive and powerful database packages. MySQL works on many operating systems and with many languages including PHP, PERL, C, C++, JAVA, etc.

**JavaScript**

JavaScript is a scripting language. A scripting language is easy and fast to learn. A scripting language is interpreted in run-time. It is not compiled like other languages as C++, Csharp, VB.net etc. JavaScript is a client side language and it runs on a client browser. Netscape developed it and because of its simplicity it is one of the most known scripting languages. However JavaScript can also be used on the server side. JavaScript can be used on all most known browsers. It can be easily used to interact with HTML elements. You can validate text fields, disable buttons, validate forms, or change the background colour of your page. All this is possible with JavaScript. Like each programming language, it contains variables, arrays, functions, operators, objects and much more which can help you to create better script for your

pages. On the server side you can use JavaScript for example to manage database entry. JavaScript code can be inserted directly in the HTML or you can place it in a separate file with the .js extension and link the webpage with the .js file.

**AJAX**

AJAX is a web development technique for creating interactive web applications. AJAX stands for Asynchronous JavaScript and XML. AJAX is a new technique for creating better, faster, and more interactive web applications with the help of XML,HTML, CSS, and Java Script. Ajax uses XHTML for content, CSS for presentation, along with Document Object Model and JavaScript for dynamic content display. Conventional web applications transmit information to and from the server using synchronous requests. It means you fill out a form, hit submit, and get directed to a new page with new information from the server. With AJAX, when you hit submit, JavaScript will make a request to the server, interpret the results, and update the current screen. In the purest sense, the user would never know that anything was even transmitted to the server.

**jQuery**

jQuery is a fast and concise JavaScript library created by John Resig in 2006.jQuery simplifies HTML document traversing, event handling, animating, and Ajax interactions for Rapid Web Development. Jquery is a JavaScript toolkit designed to simplify various tasks by writing less code.

**HTML**

HTML stands for Hyper Text Mark-up Language, which is the most widely used language on Web to develop web pages. HTML was created by Berners-Lee in late 1991 but "HTML 2.0" was the first standard HTML specification which was published in 1995. HTML 4.01 was a major version of HTML and it was published in late1999. Though HTML 4.01 version is widely used but currently we are having HTML5 version which is an extension to HTML 4.01, and this version was published in2012. Originally, HTML was developed with the intent of defining the structure of documents like headings, paragraphs, lists, and so forth to facilitate the sharing of scientific information between researchers. Now, HTML is being widely used to format web pages with the help of different tags available in HTML language.

**CSS**

CSS is used to control the style of a web document in a simple and easy way.CSS is the acronym for "Cascading Style Sheet". CSS handles the look and feel part of a web page. Bootstrap makes use of certain HTML elements and CSS properties that require the use of the HTML5 doctype. Bootstrap includes a responsive, mobile first uid grid system that appropriately scales up to 12 columns as the device or viewport size increases. It includes predefined classes for easy layout options, as well as powerful mixings for generating more semantic layouts. Grid systems are used for creating page layouts through a series of rows and columns that house your content.

**NetBeans IDE**

NetBeans is a software development platform written in Java. The NetBeans Platform allows applications to be developed from a set of modular software components called *modules*. Applications based on the NetBeans Platform, including the NetBeans integrated development environment (IDE), can be extended by third party developers.The NetBeans IDE is primarily intended for development in Java, but also supports other languages, in particular PHP, C/C++ and HTML5. NetBeans is cross-platform and runs on Microsoft Windows, Mac OS X, Linux, Solaris and other platforms supporting a compatible JVM. The NetBeans Team actively supports the product and seeks feature suggestions from the wider community. Every release is preceded by a time for Community testing and feedback. NetBeans IDE is an open-source integrated development environment. NetBeans IDE supports development of all Java application types (Java SE (including Java FX), Java ME, web, EJB and mobile applications) out of the box. Among other features are an Anti-based project system, Maven support, refactoring, version control

# FEASIBILITY STUDY

## 4. FEASIBILITY STUDY

The prime objective of feasibility study is to ensure that the problem is worth to be solved. At the stage a cost benefit analysis is performed to assertion that the benefit from the system will over rule the cost association with the whole analysis, design and development of the new system. An important outcome of the preliminary investigation determining whether the system required is feasible.

Steps in Feasibility Analysis:
Feasibility Analysis involves eight steps

- Form a project team and appoint a project leader.

- Prepare a system flow chart.

- Enumerate potential candidate systems.

- Describe and identify characteristics of candidate systems.

- Describe and evaluate performance and cost effectiveness of each candidate systems.

- Weight system performance and cost data.

- Select the best candidate system.

- Prepare and report final project directive and management.

The proposed system is tested in all three aspects of feasibility

- Technical Feasibility study

- Operational Feasibility study

- Financial and Economic Feasibility study

- Behavioural Feasibility

### 4.1 TECHNICAL FEASIBILITY

Technical feasibility centeron existing system and to what extent it can support proposed modifications. It involves financial enhancement. This evaluation determines whether the technology needed for the proposed system is available or not. This is concerned with specifying satisfy the user requirements. The technical needs of the system may include front - end and back - end selection. An important issue for the development of a project is the selection of the suitable front - end and back - end. Based on some aspects, we select the most suitable platform that suits the needs of the organization.so in our system technically feasible.

### 4.2 ECONOMICAL FEASIBILITY

Economic and Financial analysis is used for evaluating the effectiveness of the system. This study is carried out to check the economic impact that the system will have on the organization. The amount of fund that the company can pour into the research and development of the system is limited. The expenditure must be justified. Comparison between the benefits and savings expected from the candidate system with cost incurred is done. If benefits outweigh cost, then decision will be to design and implement system. Otherwise, alterations will have to be made to the proposed system. The proposed system is economically feasible.

### 4.3 BEHAVIOURAL FEASIBILITY

The behavioural feasibility depends upon whether the system performed in the expected way or not. Feasibility study is a test of system proposal according to it workability, impact on organization, ability to meet the user's need and effective use of resources. However, a feasibility study provides a useful starting point for full analysis. The behavioural feasibility depends upon whether the system performed in the expected way or not. Feasibility study is a test of system proposal according to it workability, impact on organization, ability to meet the user's need and effective use of resources. However, a feasibility study provides a useful starting point for full analysis. The main problem faced during development of a new system is getting acceptance from the user. People are inherently resistant to changes and computers have been known to facilitate changes. It is mainly related to human organizational and political aspects.

The points to be considered are

- What changes will be bought with the system?
- What new skills will be required? Do the existing staff members have these skills? If not can they be trained due course of time?

This feasibility study is carried out by small group of people who are familiar with information testing techniques, who understand the parts of the problems of existing system that are relevant to the project and are skilled in analysis and design process.

# SYSTEM DESIGN

**5.SYSTEM DESIGN**

Design of a system can be defined as the process of applying various techniques and principles for the purpose of defining a device, a process or system is sufficient details to permit its physical realization.Thus, system design is a solution a "how to" approach to the creation of a new system. This important phase provides the understanding and procedural details necessary for implementing the system recommended in the feasibility study.

The data design transforms the information domain model created during analysis into the data structure that will be required to implement the software.The architectural design defines the relationship among major structural components into a procedural detail necessary for implementing the system recommended in the feasibility study.

The data design transforms the information domain model created during analysis into the data structure that will be required to implement the software. The architectural design defines the relationship among major structural components into a procedural description of the software. Source code is generated and testing is conducted to integrate and validate the software. Project management point of view software design is conducted in two into data and software architecture. There are two levels of the system design:

- Logical design
- Physical design

**5.1 INPUT DESIGN**

The input design is the process of converting the user-oriented description of inputs into a programmer-oriented specification. The objective of input design is to create an input layout that is easy to follow and prevents the user from committing errors. It covers all phases of input, right from the creation of initial databases to the actual data entry into the system. The input design is the link that ties the system into the world of its users. Hence, lays its importance in the design phase. The input design makes sure that while entering data, the end-users understand the format in which the data is to be entered so that it is accepted by the system, the data values that are mandatory for the system to function, the order in which transactions need to be processed etc.

### 5.2 OUTPUT DESIGN

Computer output is the most important one to the user. A major form of the output is the display of the information gathered by the system and the servicing the user requests to the system. Output generally refers to the results or information that is generated by the system. It can be in the form of operational documents and reports.

# DATABASE DESIGN

## 6. DATABASE DESIGN

Database design is the process of converting user-oriented inputs to a computer-based format. The database design phase is used to design the input with in the predefined guidelines. Inaccurate input data are the most common cause of errors in the data processing. Errors entered by data entry operators can be controlled by input design. Input design consist of developing specifications and procedures for data preparation and data validation.

Database system consists of an important part of every project. The management of data involves both definition of structure storage of information and provision of mechanism for manipulation of information. The database designs provide more safety for the information stored, despite system crashes or attempts of unauthorized access to the database.

Database files are the key source of information into the system. It is the process of designing database files, which are the key source of information to the system. The files should be properly designed and planned for collection,accumulation,editing and retrieving the required information. The organization of data in database aims to achieve three major objectives:

1. Data integration
2. Data integrity
3. Data independence

The proposed system stores information relevant for processing in the MySQL. This database contains tables, where each table corresponds to one particular type of information. Each piece of information in table is called a field. A table also contains records, which is set of fields. There are primary fields that uniquely identify a record in a table. There are also field that contain primary key from another table called foreign keys.

### KEY IDENTIFYING

Once we have drawn up the list of possible tables and fields, the next step in the logic database is to identify primary key for each table.

- Primary key

A primary key is a special relational database table column designated to uniquely identify all table records. A primary key's main features are: It must contain a unique value for each row of data. It cannot contain null values.

- Foreign key

A foreign key is in one table that uniquely identifies a row of another table or the same table. In simpler words, the foreign is defined in a second table, but it refers to the primary key in the first table.

**DEFINING RELATIONSHIPS**

The next step in a database is relationship between the tables. A relationship is the term used to describe a connection between related tables.

- One-to-one relationship: A one to one relationship indicates that each record in a table may relate to only one record in another table.
- One to many relationship: In one to many relationships, any record in the table can be related to multiple records in the second table.
- Many to many relationship: With a many to many relationship, many records in one table can be linked to multiple records in the second table.

## 6.1 NORMALIZATION

Normalization is a refinement process to resolve the issues like inconsistency, ambiguity and redundancy. It is also used to avoid insertion, deletion and updating anomalies. All the tables have been normalizing up to the third normal form.

Designing a database is a complex task the normalization theory is useful aid in this designing process.

A bad database may lead to certain undesirable situations such as:

- Repetition of information
- Inability to represent certain information
- Loss of information

To minimize these anomalies, normalization may be used.

There are three normal forms used in our system:

- **FIRST NORMAL FORM(1NF)**

s    A relation is in First Normal Form(1NF), if and only if all attributes are based on a single domain. The objective of normalizing a table is to removes its repeating groups and to ensure that all entries of the resulting table have almost single value. The objective of 1NF is to divide the database into logical unit called tables. When each table has been designed, the primary key is assigned to most or all tables.

- **SECOND NORMAL FORM(2NF)**

A table is said to be in Second Normal Form(2NF), when it is in 1NF and it satisfy functional dependency means that every non-prime attribute is fully depend upon a key. The objective of 2NF is to take data that is partially depends upon the primary key, enter that data into another table.

- **THIRD NORMAL FORM (3NF)**

A relational schema is in 2NF if no non-key attribute can depend on another non-key attribute. The database must meet all the requirements of the 2NF. Any field which is dependent not only on the primary key but also on another field is moved out to a separate the 3NF satisfies two conditions. They are the relational schema already in the 2NF and no nonprime attribute functionally determines any other non-prime attributes

## 6.2 TABLE

Table name: cmp_data

Purpose: The purpose of this table is to store the complaints posted by the users.

| Column | Type | Constraints | Description |
|--------|------|-------------|-------------|
| *id* | int(11) | Primary key | Complaint id |
| uid | varchar(150) | Foreign key | User id |
| dt | date | Not Constraints | date |
| ct | varchar(250) | Not Constraints | category |
| cmp | text | Not Constraints | complaints |
| st | int(11) | Not Constraints | status |

Table name: dadmin_data

Purpose: The purpose of this table is to store the details of district admin who were added by admin

| Column | Type | Constraints | Description |
|--------|------|-------------|-------------|
| *id* | int(11) | Primary key | Districtadmin id |
| sid | int(11) | Foreign key | State id |
| did | int(11) | Foreign key | District id |
| dnme | varchar(100) | Not Constraints | District name |
| uid | varchar(50) | Unique key | User id |
| con | varchar(20) | Not Constraints | Contact no |
| st | int(11) | Not Constraints | status |

Table name: district

Purpose: The  district table is used to store the districts

| Column | Type | Constraints | Description |
|---|---|---|---|
| *DistCode* | int(11) | Primary key | District id |
| StCode | int(11) | Foreign key | State code |
| DistrictName | varchar(200) | Not null | District name |

Table name: job_assign

Purpose: The  purpose of the table is to store the details of assigned jobs for the nregs.The job is assigned by panchayat admin

| Column | Type | Constraints | Description |
|---|---|---|---|
| *id* | int(11) | Primary key | Job assign  id |
| pid | int(11) | Foreign key | Panchayat id |
| jid | int(11) | Foreign key | Job id |
| nid | int(11) | Foreign key | Nregs id |
| ass_dt | date | Not null | Assigning dtae |
| exp_edt | date | Not null | Expecting date |
| cmp_dt | date | Not null | Completing date |
| verfy_dt | date | Not null | Verify date |
| st | int(11) | Not null | status |

Table name: job_data

Purpose: The purpose of this table is store the job details added by the users.It includes job description, location of the place and date of posting.

| Column | Type | Constraints | Description |
|--------|------|-------------|-------------|
| *id* | int(11) | Primary key | Job id |
| uid | varchar(50) | Foreign key | User id |
| jt | varchar(250) | Not null | Job title |
| jd | text | Not null | Job description |
| sid | int(11) | Foreign key | State id |
| did | int(11) | Foreign key | District id |
| pid | int(11) | Foreign key | Panchayat id |
| loc | varchar(150) | Not null | location |
| lat | varchar(50) | Not null | latitude |
| lng | varchar(50) | Not null | longitude |
| dt | date | Not null | Date |
| st | int(11) | Not null | status |

Table name: mem_amount

Purpose: The purpose of this table is store the assigned daily wages of workers in nregs

| Column | Type | Constraints | Description |
|--------|------|-------------|-------------|
| *id* | int(11) | Primary key | Amount id |
| amt | int(11) | Not null | amount |
| dt | date | Not null | date |

Table name:nregs

Purpose: The  purpose of this table is store  the   details of  nregs.

| Column | Type | Constraints | Description |
|---|---|---|---|
| *id* | int(11) | Primary key | Nregs id |
| sid | int(11) | Foreign key | State id |
| did | int(11) | Foreign key | District id |
| pid | int(11) | Foreign key | Panchayat id |
| n_nme | varchar(200) | Not null | Nregs name |
| n_reg | varchar(50) | Not null | Registration no |
| n_add | varchar(200) | Not null | address |
| st | int(11) | Not null | status |

Table name: padmin_data

Purpose: The  purpose of  this  table is to store the details of panchayat  admin who were added by  district admin

| Column | Type | Constraints | Description |
|---|---|---|---|
| *id* | int(11) | Primary key | Panchayat admin id |
| sid | int(11) | Foreign key | State id |
| did | int(11) | Foreign key | District id |
| pnme | varchar(200) | Not null | Panchayat name |
| padmin | varchar(150) | Not null | Panchayat admin |
| uid | varchar(50) | Unique key | User id |
| con | varchar(15) | Not null | contact |
| st | int(11) | Not null | staatus |

Table name: state

Purpose: The  purpose of  this  table is to store  all the name of the state

| Column | Type | Constraints | Description |
|--------|------|-------------|-------------|
| *StCode* | int(11) | Primary key | State id |
| StateName | varchar(150) | Not null | State name |

Table name: user_data

Purpose: The  purpose of  this  table is to store  the details of all users registered to the portal

| Column | Type | Constraints | Description |
|--------|------|-------------|-------------|
| *id* | int(11) | Primary key | userdataid |
| nme | varchar(150) | Not null | username |
| uid | varchar(50) | Unique key | userid |
| addr | varchar(150) | Not null | address |
| con | varchar(15) | Not null | contact |
| aadr | varchar(30) | Not null | aadharno |
| sid | int(11) | Foreign key | State id |
| did | int(11) | Foreign key | District id |
| pid | int(11) | Foreign key | Panchayat id |
| pic | varchar(50) | Not null | photo |
| st | int(11) | Notnull | status |

Table name: wrk_attnd

Purpose: The purpose of this table is to store the attendance details of workers .

| Column | Type | Constraints | Description |
|--------|------|-------------|-------------|
| *id* | int(11) | Primary key | Attendance id |
| sid | int(11) | Foreign key | State id |
| did | int(11) | Foreign key | District id |
| pid | int(11) | Foreign key | Panchayat id |
| nid | int(11) | Foreign key | Nregs id |
| wid | int(11) | Foreign key | work id |
| mid | varchar(50) | Foreign key | Member id |
| dt | date | Not null | date |
| att | int(11) | Not null | attendance |
| amt | int(11) | Not null | amount |
| st | int(11) | Not null | status |

Table name: user_log

Purpose: The purpose of this table is to store the login credentials of the users who are accessing the portal.The user are admin, district admin, pancahayat admin, convener and user. .

| Column | Type | Constraints | Description |
|--------|------|-------------|-------------|
| *id* | int(11) | Primary key | loginid |
| uid | varchar(50) | Unique key | userid |
| pas | varchar(50) | Not null | password |
| typ | varchar(15) | Not null | usertyype |

Table name:nregs_member

Purpose: The  purpose of this table is store  the   details of  nregs members.

| Column | Type | Constraints | Description |
|--------|------|-------------|-------------|
| *id* | int(11) | Primary key | Nregs member  id |
| sid | int(11) | Foreign key | State id |
| did | int(11) | Foreign key | District id |
| pid | int(11) | Foreign key | Panchayat id |
| nid | int(11) | Not null | Nregs id |
| nme | varchar(100) | Not null | name |
| uid | varchar(50) | Foreign key | User id |
| addr | varchar(100) | Not null | address |
| con | varchar(15) | Not null | contact |
| aadr | varchar(15) | Unique key | Aadhar no |
| gndr | varchar(10) | Not null | gender |
| pic | varchar(100) | Not null | picture |
| st | int(11) | Not null | status |

# DATA FLOW DIAGRAM

## 7. DATA FLOW DIAGRAM(DFD)

A DFD is a network that describes the flow of data throughout a system, data stores, and the process that change or transform data flows. Data Flow Diagrams are also known as Data Flow Graphs. DFDs are commonly used during the problem analysis stage. They are useful in understanding a system and can be effectively used for partitioning during analysis.

The DFD network is a formal, logical abstract of a system that may have many possible physical configurations. This reason a set of symbols that do not imply a physical form are used to represent data source, data flows, data transformations and data storage.

The basic element of DFD are:

- Process: A process that represents some amount of work being performed on data.
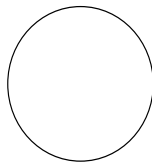
Circle or Bubble

- External Entity: This represents any outside agency, which interact with the system. It represents the source or destination of data for the system under consideration.

Rectangle

- Data Flow: The data flow portrays an interface among different components in a DFD. It represents flow of data between a process and an external entity or between a process and data store.
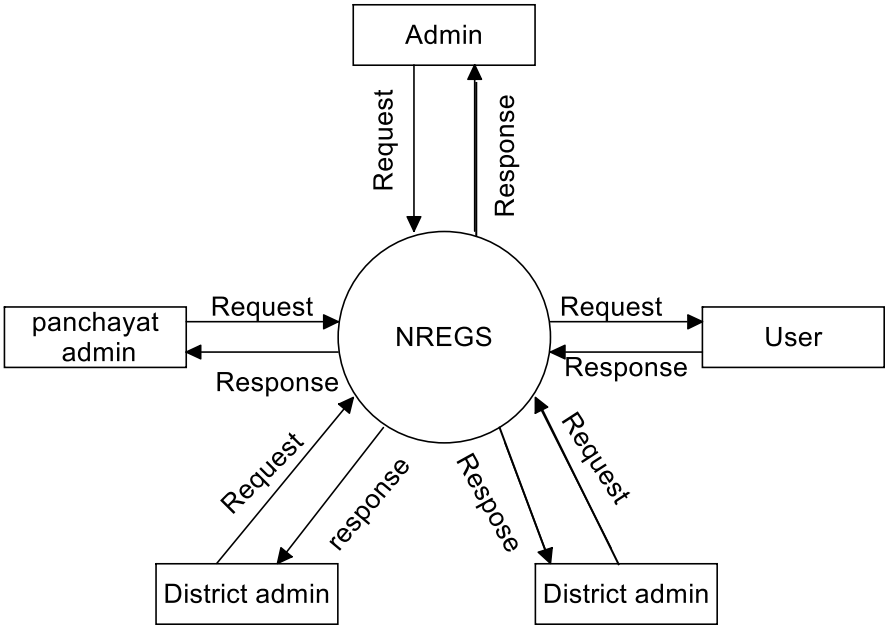
Arrow

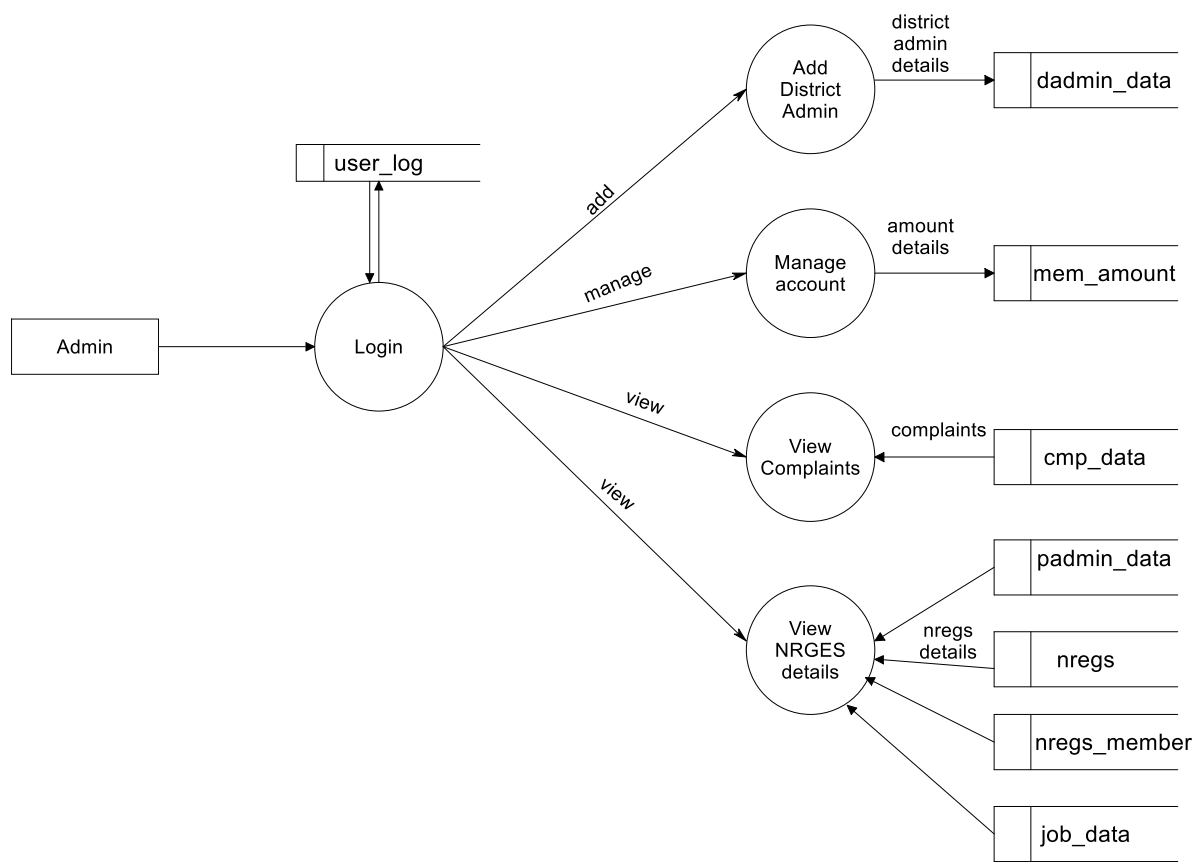- Data Stores: A data store is a place for holding information within the system.
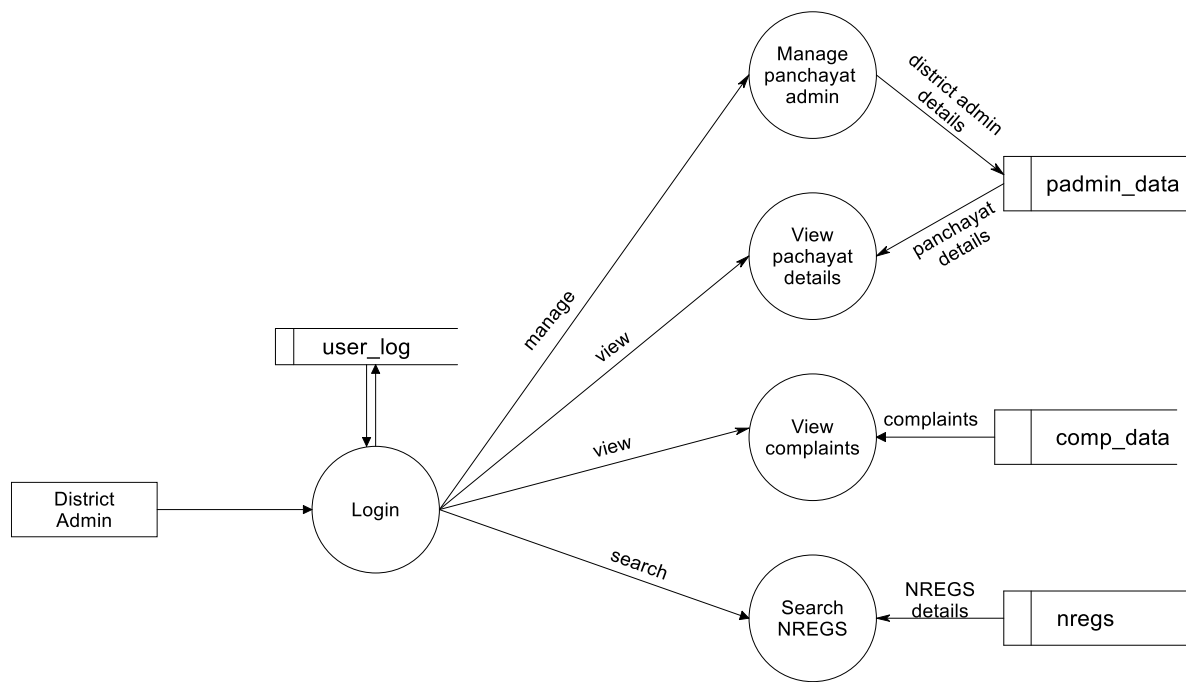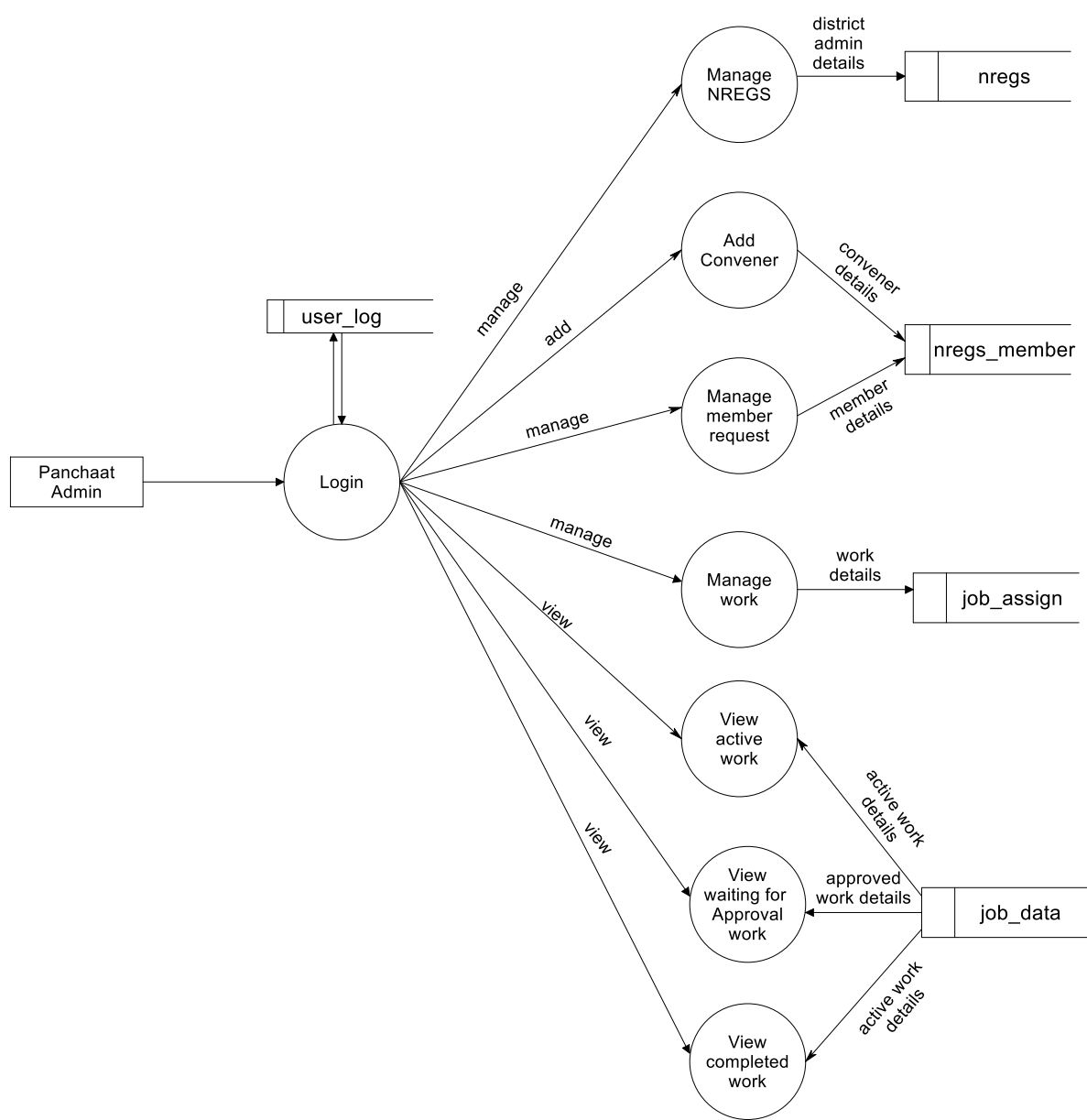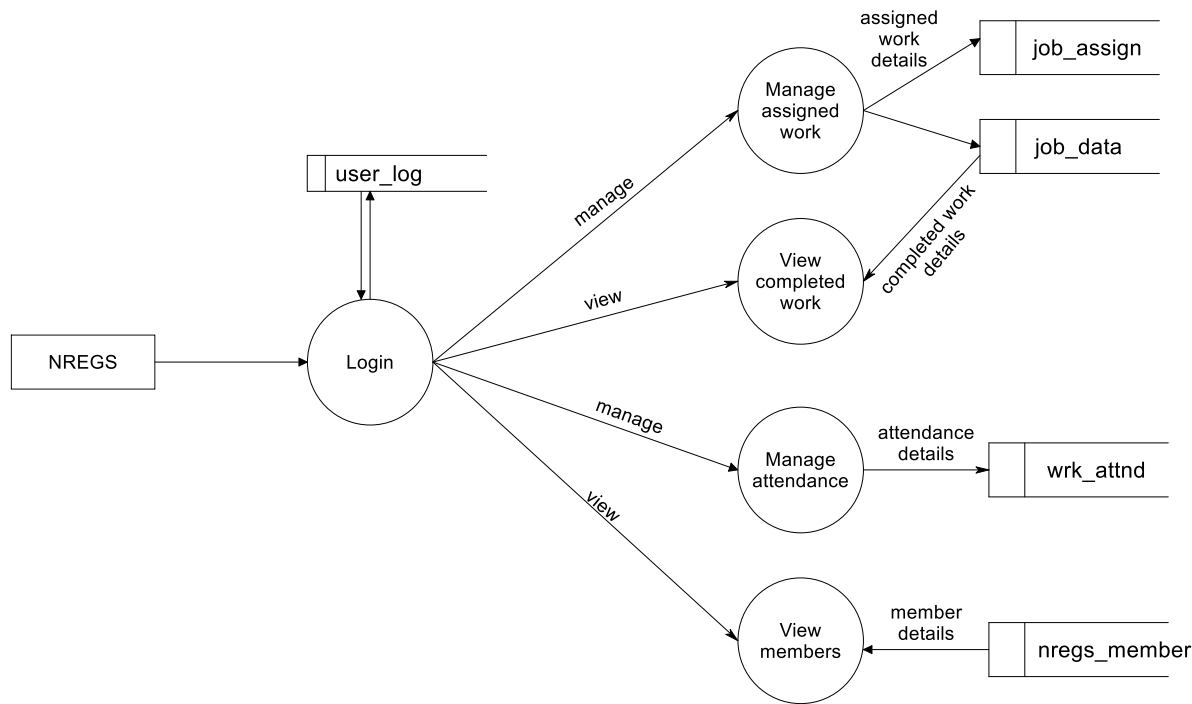
One-end opened rectangle

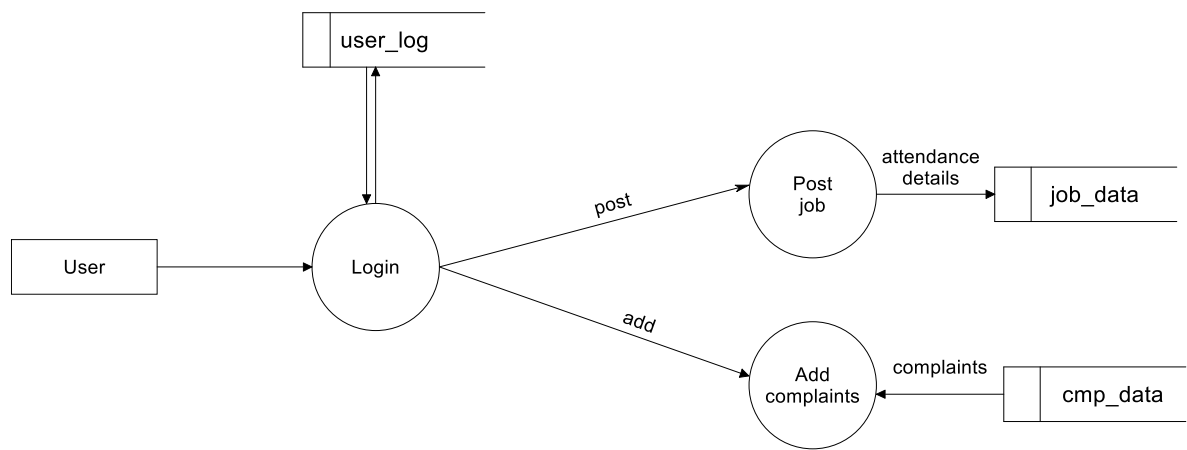**Context level**

# Level 1 admin



**level 1 district admin**
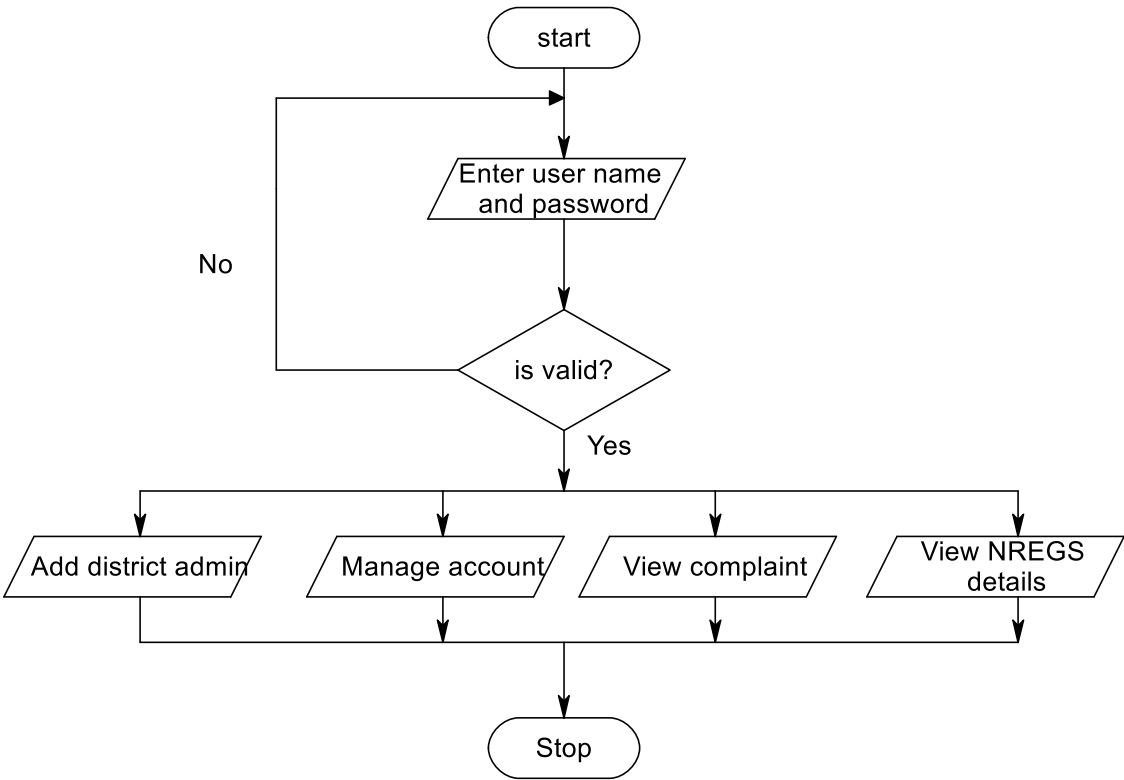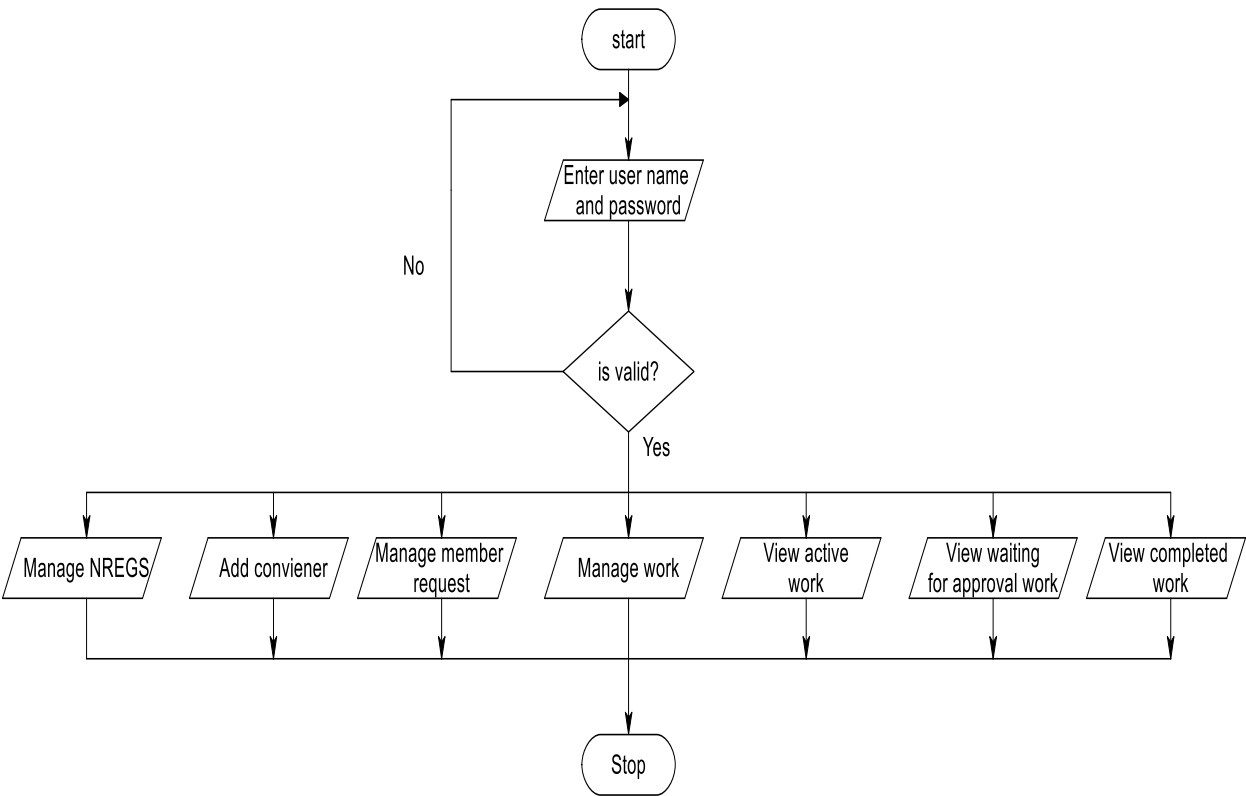
**Level 1 panchayat admin**

**level 1 nregs**



**level 1 user**

# FLOW CHART

# 8. FLOWCHART

**Admin**

**Panchayath admin**

```
                                    ( start )
                                        |
        +------------------------------>|
        |                               v
        |                     / Enter user name /
        |                     / and password    /
     No |                               |
        |                               v
        |                            < is valid? >
        |                               |
        +-------------------------------+
                                        | Yes
        +-------+--------+--------+------+------+--------+---------+
        v       v        v        v            v        v         v
 /Manage    //Add      //Manage  //Manage    /View   //View    //View     /
 /NREGS/    /conviener/ /member   /work/     /active  /waiting  /completed /
                        /request/           /work/   /for       /work/
                                                      approval
                                                      work/
        |       |        |        |            |        |         |
        +-------+--------+--------+------+------+--------+---------+
                                        v
                                    ( Stop )
```

**District admin**

```
                                    ( start )
                                        |
        +------------------------------>|
        |                               v
        |                     / Enter user name /
        |                     / and password    /
     No |                               |
        |                               v
        |                            < is valid? >
        |                               |
        +-------------------------------+
                                        | Yes
        +-----------------+-------------+-------------+
        v                 v             v             v
 /Manage panchayath/ /Serach NREGS/ /View complaint/ /View panchayath/
                                                     /details         /
        |                 |             |             |
        +-----------------+-------------+-------------+
                                        v
                                    ( Stop )
```
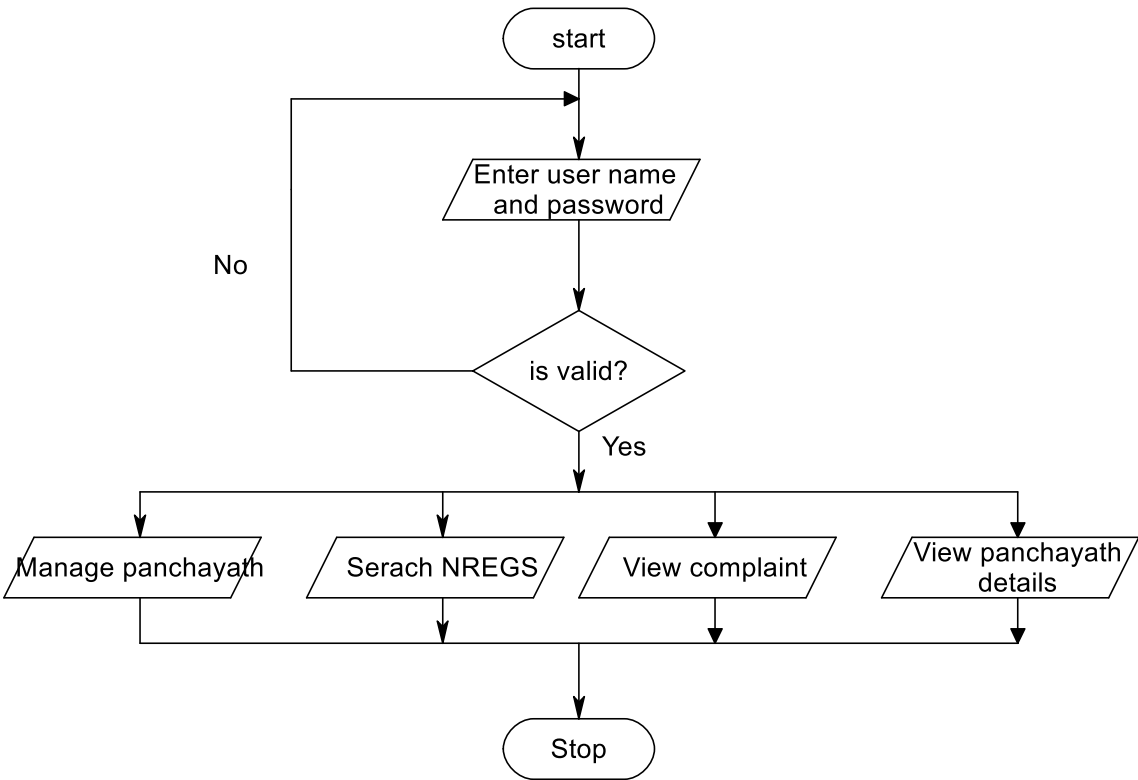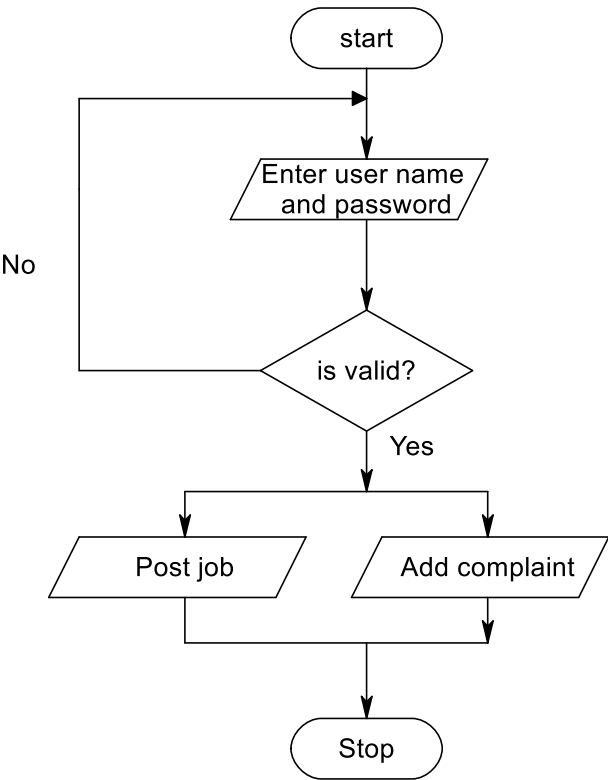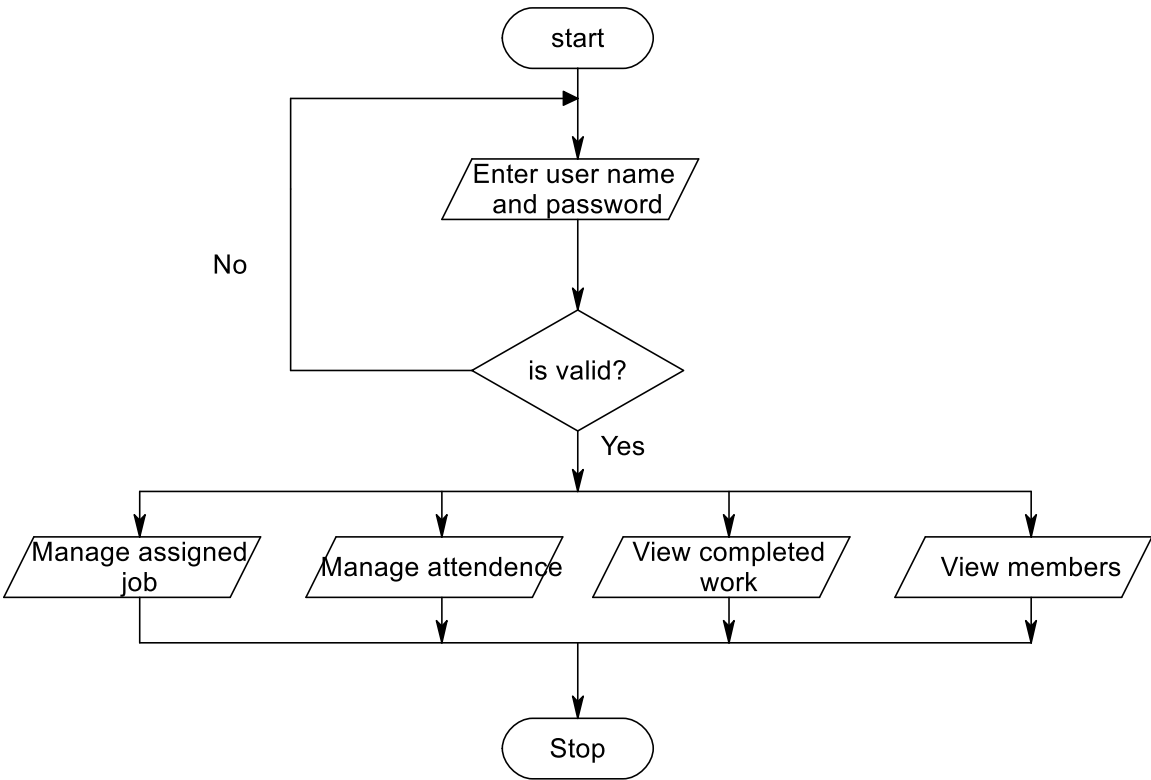
**User**



**NREGS**

# SYSTEM TESTING

## 10. SYSTEM TESTING

System testing is the major quality control measures during software development. A series of test cases are generated that is intended to demolish the software that has been built. Testing is a set of activity that can be planned and conducted schematically. Testing begins at the module level and work towards the integration of entire computer based system.

Testing is a process of executing a program with the intention of finding an error. A good test case is one that has a higher probability of finding an undiscovered error. Nothing is complete without testing, as the vital success of the system.

### 10.1 UNIT TESTING

Unit Test is always White box oriented, and the step can be conducted in parallel for multiple modules, each of the two modules is tested individually and checks whether each logical path is working properly or not. Test if each module is working well, independently. All validations and conditions are tested in the module level in the unit test. Control paths are tested to ensure the information properly flows into and out of the program unit and out of the program unit under test

### 10.2 INTEGRATION TESTING

Integration testing addresses the issues associated with the dual problems of verification and program construction. Black box testing is done during Integration testing. This testing is the systematic test conducting for constructing the program structure while at the same time conducting test to uncover error associated with the interface. Modules can be combined to achieve certain goals. Here we test if modules are working well even after integration. Developing a component as they' are added to the system developing an implementation & integration schedule that will make the modules available when needed and designing test cases that will demonstrate the viability of the evolving system Though each program works individually, they should work after linking them together. This is also referred to as Interfacing. In the testing, the programs are constructed and tested in small segments a manner that demands resources in an abnormal quantity, frequency or volume. Performance of software within the context of an integrated system.

### 10.3 USER ACCEPTANCE TESTING

User Acceptance Testing (UAT) is a type of testing performed by the end user or the client to verify/accept the software system before moving the software application to the production environment. UAT is done in the final phase of testing after functional, integration and system testing is done. The main purpose of UAT is to validate end to end business flow. It does not focus on cosmetic errors, spelling mistakes or system testing. User Acceptance Testing is carriedout in a separate testing environment with production-like data setup. It is kind of black box testing where two or more end-users will be involved. Need of User Acceptance Testing arises once software has undergone Unit, Integration and System testing because developers might have built software based on requirements documentby their own understanding and further required changes during development may not be effectively communicated to them, so for testing whether the final product is accepted by client/end-user, user acceptance testing is needed.

Example;

1. Project Title    :   NREGS
2. Software Tool   :  PHP
3. Test objective   : To check whether the entered User name and Password  are valid or invalid.
4. Test data        :  Username = admin and password = admin

| Step no: | Steps | Data | Expected results | Actual results |
|----------|-------|------|------------------|----------------|
| 1 | Enter  User name and press LOGIN Button | username=admin | Should display warning message box "Incorrect username or password" | Login failed |
| 2 | Enter Password and press LOGIN Button | password=admin | Should display warning message box " Incorrect username or password " | Login failed |
| 3 | Enter User name and Password and press LOGIN Button | username=admin and password=123 | Should display warning message box " Incorrect username or password" | Login failed |
| 4 | Enter User name and Password and press LOGIN Button | username=abc and password= admin | Should display warning message box " Incorrect username or password" | Login failed |
| 5 | Enter User name and Password and press LOGIN Button | username= abc and password = 123 | Should display warning message box " Incorrect username or password" | Login failed |
| 6 | Enter User name and Password and press LOGIN Button | username=admin and password=admin | Should navigate to admin home page | Login success |

**Add panchayat admin Form**

| Step no: | Steps | Expected results | Actual results |
|---|---|---|---|
| 1 | On The click Of submit button | At first admin have to fill all the fields with proper data of district admin, if any error like entering text data instead of number or entering number instead of text is occurred then it gives proper message other wise adds district admin data to the database | Successful |

**Post Complaints form**

| Step no: | Steps | Expected results | Actual results |
|---|---|---|---|
| 1 | On The click Of submit button | At first user have to fill all the fields with proper data if field is not filled then system will show message to fill the field otherwise adds the information to database | Successful |

**Add job form**

| Step no: | Steps | Expected results | Actual results |
|---|---|---|---|
| 1 | On The click Of Add button | At first user have to fill all the fields with proper information about job, if any error like entering text data instead of number or entering number instead of text is occurred then it gives proper message other wise adds jobdata to the database | Successful |

# SYSTEM CODING

## 11. SYSTEM CODING

The coding is the process of transforming the design of a system into a computer language format. This coding phase of software development is concerned with software translating design specification into the source code. It is necessary to write source code & internal documentation so that conformance of the code to its specification can be easily verified. Coding is done by the coder or programmers who are independent people than the designer. The goal is not to reduce the effort and cost of the coding phase, but to cut to the cost of a later stage. The cost of testing and maintenance can be significantly reduced with efficient coding.

**CODE**

**dconnect.php**

```php
<?php
$titl="NREGS";
$hd="NREGS";
$dbcon=mysqli_connect("localhost","root","","nregs");
?>
```

**login.php**

```php
<?php
include './dbconnect.php';
if(isset($_POST['sub']))
{
   $un=$_POST['uid'];
   $pwd=$_POST['pas'];
   $chk_log=mysqli_query($dbcon,"select * from user_log where uid='$un' and pas='$pwd'");
   if(mysqli_num_rows($chk_log)>0)
   {
     $rlog= mysqli_fetch_row($chk_log);
```

```php
session_start();

if($rlog[3]=="admin")

{

    $_SESSION['adm']=$un;

    header("location:admin/index.php");

}

if($rlog[3]=="dadmin")

{

    $_SESSION['dadmin']=$un;

    header("location:district/index.php");

}

if($rlog[3]=="padmin")

{

    $_SESSION['padmin']=$un;

    header("location:panchayat/index.php");

}

if($rlog[3]=="mem")

{

    if($rlog[4]=="1")

    {

        $_SESSION['cnvr']=$un;

        header("location:convenor/index.php");

    }

    if($rlog[4]=="2")

    {

        $_SESSION['mmbr']=$un;

        header("location:member/index.php");
```

```php
          }

        }

      if($rlog[3]=="usr")

        {

          $_SESSION['usr']=$un;

          header("location:user/index.php");

        }

    }

    else

    {

      header("location:login.php?error=1");

    }

}

?>
```

```html
<!--

Author: W3layouts

Author URL: http://w3layouts.com

License: Creative Commons Attribution 3.0 Unported

License URL: http://creativecommons.org/licenses/by/3.0/

-->

<!DOCTYPE html>

<html>

<head>

                <title><?php echo $titl ?></title>

                <link href="tmplate/css/style.css" rel="stylesheet" type="text/css" media="all"
/>

                <link href="tmplate/css/bootstrap.css" rel="stylesheet" type="text/css"
media="all" />
```

<link
href='http://fonts.googleapis.com/css?family=Open+Sans:400,300,600,700,800'
rel='stylesheet' type='text/css'>

<link href='http://fonts.googleapis.com/css?family=Montserrat:400,700'
rel='stylesheet' type='text/css'>

<link
href='http://fonts.googleapis.com/css?family=Lato:100,300,400,700,900,100italic,300italic,4
00italic,700italic,900italic' rel='stylesheet' type='text/css'>

<!-- js -->

<script src="tmplate/js/jquery.min.js"></script>

<!-- //js -->

<!-- for-mobile-apps -->

<meta name="viewport" content="width=device-width, initial-scale=1">

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<meta name="keywords" content="Agriculture_firm Responsive web
template, Bootstrap Web Templates, Flat Web Templates, Andriod Compatible web template,

Smartphone Compatible web template, free webdesigns for Nokia, Samsung,
LG, SonyErricsson, Motorola web design" />

<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false);

function hideURLbar(){ window.scrollTo(0,1); } </script>

<!-- //for-mobile-apps -->

<!-- start-smoth-scrolling -->

<script type="text/javascript" src="tmplate/js/move-top.js"></script>

<script type="text/javascript" src="tmplate/js/easing.js"></script>

<script type="text/javascript">

jQuery(document).ready(function($) {

$(".scroll").click(function(event){

event.preventDefault();

```
                        $('html,body').animate({scrollTop:$(this.hash).offset().top},1000);

                                        });

                            });

                    </script>

    <!-- start-smoth-scrolling -->

    </head>


    <body>

    <!-- banner -->

    <div id="home" class="" style="background-image:url(tmplate/images/banner2.jpg);
    background-repeat: no-repeat;background-size: cover; height: 350px;">

            <div class="container">


                    <div class="navi">

                                    <div class="head-logo">

                            <a href="index.php" style="color: white;"><font
    size="+4"><b>NREGS</b></font></a>

                                    </div>

                                    <div class="banner-nav">

                                            <span class="menu"><img
    src="tmplate/images/menu.png" alt=" "/></span>

                                                    <nav class="cl-effect-3">

                                                    <ul class="nav1">

                                            <li class="active"><a
    href="index.php">Home</a></li>

                                                                    <li><a
    href="login.php">Login</a></li>

                                                    </ul>
```

```
                                    </nav>

                        </div>

                        <div class="clearfix"> </div>

            </div>

                        <!-- script for menu -->

                                <script>

                                        $( "span.menu" ).click(function() {

                                        $( "ul.nav1" ).slideToggle( 300, function() {

                                         // Animation complete.

                                        });

                                        });

                                </script>

                        <!-- //script for menu -->


                <link rel="stylesheet" href="tmplate/css/swipebox.css">

                        <script src="tmplate/js/jquery.swipebox.min.js"></script>

                                <script type="text/javascript">

                                        jQuery(function($) {

                                                $(".swipebox").swipebox();

                                        });

                                </script>

                        <!-- Portfolio Ends Here -->

                        <script type="text/javascript"
    src="tmplate/js/jquery.mixitup.min.js"></script>

                                <script type="text/javascript">

                                $(function () {

                                        var filterList = {
```

```
init: function () {

    // MixItUp plugin

    // http://mixitup.io

    $('#portfoliolist').mixitup({

        targetSelector: '.portfolio',

        filterSelector: '.filter',

        effects: ['fade'],

        easing: 'snap',

        // call the hover effect

        onMixEnd:

filterList.hoverEffect()

    });

},

hoverEffect: function () {

    // Simple parallax effect

    $('#portfoliolist .portfolio').hover(

        function () {

$(this).find('.label').stop().animate({bottom: 0}, 200, 'easeOutQuad');

$(this).find('img').stop().animate({top: -30}, 500, 'easeOutQuad');

        },

        function () {

$(this).find('.label').stop().animate({bottom: -40}, 200, 'easeInQuad');

$(this).find('img').stop().animate({top: 0}, 300, 'easeOutQuad');

        }
```

```
                                            );

                                        }

                                };

                                // Run the show!

                                        filterList.init();

                                });

                                </script>

        </div>

        </div>

    <!-- //banner -->

    <!-- banner-bottom -->

        <div class="banner-bottom">

        <div class="container">

    <!-- Slider-starts-Here -->

                                <script src="tmplate/js/responsiveslides.min.js"></script>

                                 <script>

                                   // You can also use "$(window).load(function() {"

                                   $(function () {

                                    // Slideshow 4

                                    $("#slider3").responsiveSlides({

                                      auto: true,

                                      pager: true,

                                      nav: false,

                                      speed: 500,

                                      namespace: "callbacks",

                                      before: function () {

                                        $('.events').append("<li>before event fired.</li>");
```

```
                              },

                              after: function () {

                               $('.events').append("<li>after event fired.</li>");

                              }

                            });


                          });

                        </script>

                    <!--//End-slider-script -->


            </div>

          </div>

    <!-- //banner-bottom -->

    <!-- about -->

          <div id="" class="">

          <div class="container">

                <h3>User LOGIN</h3>

            <div class="row">

              <div class="col-lg-2"></div>

              <div class="col-lg-8">

                <form method="post">

                <table style="width: 100%">

                  <tr>

                    <td>

                      <b>User ID</b>

                      <input type="text" name="uid" class="form-control" required=""/>

                    </td>
```

```
              </tr>

              <tr>

                <td>

                  <b>Password</b>

                  <input type="password" name="pas" class="form-control"
required=""/>

                </td>

              </tr>

              <tr>

                <td>

                  <div style="text-align: right;">Register Your Account By Click <a
href="ureg.php" class="label label-danger">Here</a> to Post Jobs</div>

                <center><br />

                  <input type="submit" name="sub" value="LOGIN" class="btn btn-sm
btn-success" />

                </center>

                </td>

              </tr>

            </table>

          </form>

        </div>

        <div class="col-lg-2"></div>

      </div>


    </div>

    </div>

<!-- //about -->

<!-- pricing -->
```

```
<!-- //pricing -->

<!-- gallery -->


<!-- //gallery -->

<!-- contact -->


<!-- //contact -->

<!-- footer -->

<div class="footer" style="margin-top: 100px;">

    <?php

    include './footer.php';

    ?>

    </div>

<!-- //footer -->

<!-- here stars scrolling icon -->

    <script type="text/javascript">

    $(document).ready(function() {

                                            /*

                                            var defaults = {

    containerID: 'toTop', // fading element id

    containerHoverID: 'toTopHover', // fading element hover id

    scrollSpeed: 1200,

    easingType: 'linear'
```

```
                                                              };

                                                              */


                                                              $().UItoTop({
easingType: 'easeOutQuart' });


                                                       });

          </script>
<!-- //here ends scrolling icon -->
</body>
</html>
```

**userreg.php**

```php
<?php
include './dbconnect.php';
if(isset($_POST['sub']))
{
  $nme=$_POST['nme'];
  $uid=$_POST['uid'];
  $pas=$_POST['pas'];
  $addr=$_POST['addr'];
  $con=$_POST['con'];
  $aadr=$_POST['aadr'];
  $stat=$_POST['stat'];
  $dist=$_POST['dist'];
  $pan=$_POST['pan'];
  $up=$_FILES['up']['name'];
  $nfn=$uid."".substr($up,strrpos($up,"."));
```

```php
    if(move_uploaded_file($_FILES['up']['tmp_name'], getcwd()."\\userpic\\$nfn"))

    {

    $ins=mysqli_query($dbcon,"INSERT INTO `user_data`(`nme`, `uid`, `addr`, `con`, `aadr`,
`sid`, `did`, `pid`, `pic`, `st`) VALUES
('$nme','$uid','$addr','$con','$aadr','$stat','$dist','$pan','$nfn','1')");

    echo mysqli_error($dbcon);

    if($ins>0)

    {

        $ins1=mysqli_query($dbcon,"INSERT INTO `user_log`(`uid`, `pas`, `typ`, `st`)
VALUES ('$uid','$pas','usr','1')");

        if($ins1>0)

        {

            header("location:ureg.php?suc=1");

        }

    }

    }

}

?>

<!--

Author: W3layouts

Author URL: http://w3layouts.com

License: Creative Commons Attribution 3.0 Unported

License URL: http://creativecommons.org/licenses/by/3.0/

-->

<!DOCTYPE html>

<html>

<head>

                <title><?php echo $titl ?></title>
```

```
<link href="tmplate/css/style.css" rel="stylesheet" type="text/css" media="all" />

<link href="tmplate/css/bootstrap.css" rel="stylesheet" type="text/css" media="all" />

<link href='http://fonts.googleapis.com/css?family=Open+Sans:400,300,600,700,800' rel='stylesheet' type='text/css'>

<link href='http://fonts.googleapis.com/css?family=Montserrat:400,700' rel='stylesheet' type='text/css'>

<link href='http://fonts.googleapis.com/css?family=Lato:100,300,400,700,900,100italic,300italic,400italic,700italic,900italic' rel='stylesheet' type='text/css'>

<!-- js -->

<script src="tmplate/js/jquery.min.js"></script>

<!-- //js -->

<!-- for-mobile-apps -->

<meta name="viewport" content="width=device-width, initial-scale=1">

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<meta name="keywords" content="Agriculture_firm Responsive web template, Bootstrap Web Templates, Flat Web Templates, Andriod Compatible web template,

Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG, SonyErricsson, Motorola web design" />

<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false);

                        function hideURLbar(){ window.scrollTo(0,1); } </script>

<!-- //for-mobile-apps -->

<!-- start-smoth-scrolling -->

<script type="text/javascript" src="tmplate/js/move-top.js"></script>

<script type="text/javascript" src="tmplate/js/easing.js"></script>

<script type="text/javascript">

        jQuery(document).ready(function($) {
```

```
                    $(".scroll").click(function(event){

                        event.preventDefault();

        $('html,body').animate({scrollTop:$(this.hash).offset().top},1000);

                    });

                });

            </script>

<!-- start-smoth-scrolling -->

</head>


<body>

<!-- banner -->

<div id="home" class="" style="background-image:url(tmplate/images/banner2.jpg);
background-repeat: no-repeat;background-size: cover; height: 350px;">

        <div class="container">


                <div class="navi">

                        <div class="head-logo">

                    <a href="index.php" style="color: white;"><font
size="+4"><b>NREGS</b></font></a>

                        </div>

                        <div class="banner-nav">

                                <span class="menu"><img
src="tmplate/images/menu.png" alt=" "/></span>

                                        <nav class="cl-effect-3">

                                        <ul class="nav1">

                                        <li class="active"><a
href="index.php">Home</a></li>
```

```
                                        <li><a
href="login.php">Login</a></li>

                                    </ul>

                                </nav>

                        </div>

                        <div class="clearfix"> </div>

                </div>

                        <!-- script for menu -->

                            <script>

                                    $( "span.menu" ).click(function() {

                                    $( "ul.nav1" ).slideToggle( 300, function() {

                                     // Animation complete.

                                    });

                                    });

                            </script>

                        <!-- //script for menu -->


                    <link rel="stylesheet" href="tmplate/css/swipebox.css">

                            <script src="tmplate/js/jquery.swipebox.min.js"></script>

                                <script type="text/javascript">

                                    jQuery(function($) {

                                            $(".swipebox").swipebox();

                                    });

                                </script>

                        <!-- Portfolio Ends Here -->

                        <script type="text/javascript"
    src="tmplate/js/jquery.mixitup.min.js"></script>

                                <script type="text/javascript">
```

```
$(function () {

    var filterList = {

        init: function () {

            // MixItUp plugin

            // http://mixitup.io

            $('#portfoliolist').mixitup({

                targetSelector: '.portfolio',

                filterSelector: '.filter',

                effects: ['fade'],

                easing: 'snap',

                // call the hover effect

                onMixEnd:

filterList.hoverEffect()

            });

        },

        hoverEffect: function () {

            // Simple parallax effect

            $('#portfoliolist .portfolio').hover(

                function () {

$(this).find('.label').stop().animate({bottom: 0}, 200, 'easeOutQuad');

$(this).find('img').stop().animate({top: -30}, 500, 'easeOutQuad');

                },

                function () {

$(this).find('.label').stop().animate({bottom: -40}, 200, 'easeInQuad');
```

```
            $(this).find('img').stop().animate({top: 0}, 300, 'easeOutQuad');


                                              }

                                          );

                                      }

                                   };

                                   // Run the show!

                                        filterList.init();

                                   });

                                   </script>

        </div>

        </div>

<!-- //banner -->

<!-- banner-bottom -->


<!-- //banner-bottom -->

<!-- about -->

        <div id="" class="">

        <div class="container">

                <h3>User Registration</h3>

          <div class="row">

            <div class="col-lg-3"></div>

            <div class="col-lg-6">

                <form method="post" enctype="multipart/form-data">

                <table style="width: 100%">

                   <tr>

                      <td>
```

```
                              <b>Name</b>

                              <input type="text" name="nme" class="form-control" required=""/>

                          </td>

                      </tr>

                      <tr>

                        <td>

                            <b>User ID</b>

                            <input type="text" name="uid" class="form-control" required=""/>

                          </td>

                      </tr>

                      <tr>

                        <td>

                            <b>Password</b>

                            <input type="password" name="pas" class="form-control"
        required=""/>

                          </td>

                      </tr>

                      <tr>

                        <td>

                            <b>Address</b>

                            <textarea name="addr" class="form-control" required=""></textarea>

                          </td>

                      </tr>

                      <tr>

                        <td>

                            <b>Contact No</b>

                            <input type="text" name="con" class="form-control" required=""/>
```

```html
            </td>

          </tr>

          <tr>

            <td>

              <b>Aadhar No</b>

              <input type="text" name="aadr" class="form-control" required=""/>

            </td>

          </tr>

          <tr>

            <td>

              <b>State</b>

              <select name="stat" id="stat" class="form-control"
required="required" onchange="loaddistrict(this.value)">

                <option value="">Choose One</option>

                <?php

                $sel_state=mysqli_query($dbcon,"select * from state");

                while($r_state=mysqli_fetch_row($sel_state))

                {

                  ?>

                <option value="<?php echo $r_state[0] ?>"><?php echo $r_state[1]
?></option>

                <?php

                }

                ?>

              </select>

            </td>

          </tr>

          <script type="text/javascript">
```

```javascript
function loaddistrict(x)
{
    var xmlhttp = new XMLHttpRequest();
    xmlhttp.onreadystatechange = function() {
        if (xmlhttp.readyState == 4 && xmlhttp.status == 200) {

            document.getElementById("dis").innerHTML =
xmlhttp.responseText;

        }
    };
    xmlhttp.open("GET", "load_district1.php?x=" + x, true);
    xmlhttp.send();
}
function loadpanch(d)
{
    var st=document.getElementById("stat").value;
    var xmlhttp = new XMLHttpRequest();
    xmlhttp.onreadystatechange = function() {
        if (xmlhttp.readyState == 4 && xmlhttp.status == 200) {

            document.getElementById("pan").innerHTML =
xmlhttp.responseText;

        }
    };
    xmlhttp.open("GET", "load_pan.php?s=" + st+"&d="+d, true);
    xmlhttp.send();
}
</script>
```

```
<tr>

  <td>

    <b>District</b>

   <span id="dis">

     <select name="dist" class="form-control" required="required">

     <option value="">Choose One</option>

     </select>

   </span>

  </td>

</tr>

<tr>

  <td>

    <b>Panchayat</b>

   <span id="pan">

     <select name="pan" class="form-control" required="required">

     <option value="">Choose One</option>

     </select>

   </span>

  </td>

</tr>

<tr>

  <td>

    <b>Photo</b>

    <input type="file" name="up" class="form-control" required=""/>

  </td>

 </tr>

 <tr>
```

```
                        <td>

                           <center><br />

                        <input type="submit" name="sub" value="Register Here" class="btn btn-
sm btn-success" />

                           </center>

                              </td>

                           </tr>

                        </table>

                        </form>

                     </div>

                     <div class="col-lg-2"></div>

                  </div>


               </div>

               </div>
   <!-- //about -->

   <!-- pricing -->


   <!-- //pricing -->

   <!-- gallery -->


   <!-- //gallery -->

   <!-- contact -->


   <!-- //contact -->

   <!-- footer -->

   <div class="footer" style="margin-top: 100px;">
```

```php
        <?php
    include './footer.php';
    ?>
        </div>
<!-- //footer -->
<!-- here stars scrolling icon -->
        <script type="text/javascript">

                                                        /*
                                                        var defaults = {

        containerID: 'toTop', // fading element id

        containerHoverID: 'toTopHover', // fading element hover id

        scrollSpeed: 1200,

        easingType: 'linear'
                                                        };
                                                        */


                                                        $().UItoTop({
easingType: 'easeOutQuart' });


                                                        });
        </script>
<!-- //here ends scrolling icon -->
</body>
```

```php
</html>
```

**adminhome.php**

```php
<?php

include '../dbconnect.php';

session_start();

if(isset($_SESSION['adm']))

{


}

 else {

header("location:../index.php");

}

?>
<!--

Author: W3layouts

Author URL: http://w3layouts.com

License: Creative Commons Attribution 3.0 Unported

License URL: http://creativecommons.org/licenses/by/3.0/

-->
<!DOCTYPE html>
<html>
<head>

                <title><?php echo $titl ?></title>

                <link href="../tmplate/css/style.css" rel="stylesheet" type="text/css"
media="all" />

                <link href="../tmplate/css/bootstrap.css" rel="stylesheet" type="text/css"
media="all" />
```

```
            <link
href='http://fonts.googleapis.com/css?family=Open+Sans:400,300,600,700,800'
rel='stylesheet' type='text/css'>

            <link href='http://fonts.googleapis.com/css?family=Montserrat:400,700'
rel='stylesheet' type='text/css'>

            <link
href='http://fonts.googleapis.com/css?family=Lato:100,300,400,700,900,100italic,300italic,4
00italic,700italic,900italic' rel='stylesheet' type='text/css'>

            <!-- js -->

            <script src="../tmplate/js/jquery.min.js"></script>

            <!-- //js -->

            <!-- for-mobile-apps -->

            <meta name="viewport" content="width=device-width, initial-scale=1">

            <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

            <meta name="keywords" content="Agriculture_firm Responsive web
template, Bootstrap Web Templates, Flat Web Templates, Andriod Compatible web template,

            Smartphone Compatible web template, free webdesigns for Nokia, Samsung,
LG, SonyErricsson, Motorola web design" />

            <script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false);

                        function hideURLbar(){ window.scrollTo(0,1); } </script>

            <!-- //for-mobile-apps -->

            <!-- start-smoth-scrolling -->

            <script type="text/javascript" src="../tmplate/js/move-top.js"></script>

            <script type="text/javascript" src="../tmplate/js/easing.js"></script>

            <script type="text/javascript">

                    jQuery(document).ready(function($) {

                            $(".scroll").click(function(event){

                                    event.preventDefault();
```

```
            $('html,body').animate({scrollTop:$(this.hash).offset().top},1000);

                            });

                    });

                </script>

<!-- start-smoth-scrolling -->

</head>


<body>

<!-- banner -->

<div id="home" class="" style="background-image:url(../tmplate/images/banner2.jpg);
background-repeat: no-repeat;background-size: cover; height: 350px;">

        <div class="container">


                <div class="navi">

                        <div class="head-logo">

                    <a href="index.php" style="color: white;"><font
size="+4"><b>NREGS</b></font></a>

                        </div>

                        <div class="banner-nav">

                                <span class="menu"><img
src="../tmplate/images/menu.png" alt=" "/></span>

                                        <nav class="cl-effect-3">

                                        <ul class="nav1">

                                <li class="active"><a
href="index.php">Home</a></li>

                                                        <li><a
href="district.php">District</a></li>

                                                <li><a href="account.php">Account</a></li>
```

```
                            <li><a href="cmp.php">Complaints</a></li>

                            <li><a href="logout.php">Logout</a></li>

                                    </ul>

                                </nav>

                </div>

                <div class="clearfix"> </div>

        </div>

                        <!-- script for menu -->

                            <script>

                                    $( "span.menu" ).click(function() {

                                    $( "ul.nav1" ).slideToggle( 300, function() {

                                     // Animation complete.

                                    });

                                    });

                                </script>

                        <!-- //script for menu -->


                <link rel="stylesheet" href="../tmplate/css/swipebox.css">

                        <script src="../tmplate/js/jquery.swipebox.min.js"></script>

                            <script type="text/javascript">

                                jQuery(function($) {

                                        $(".swipebox").swipebox();

                                });

                            </script>

                        <!-- Portfolio Ends Here -->

                        <script type="text/javascript"
        src="../tmplate/js/jquery.mixitup.min.js"></script>
```

```javascript
<script type="text/javascript">

$(function () {

    var filterList = {

        init: function () {

            // MixItUp plugin

            // http://mixitup.io

            $('#portfoliolist').mixitup({

                targetSelector: '.portfolio',

                filterSelector: '.filter',

                effects: ['fade'],

                easing: 'snap',

                // call the hover effect

                onMixEnd:

filterList.hoverEffect()

            });

        },

        hoverEffect: function () {

            // Simple parallax effect

            $('#portfoliolist .portfolio').hover(

                function () {

$(this).find('.label').stop().animate({bottom: 0}, 200, 'easeOutQuad');

$(this).find('img').stop().animate({top: -30}, 500, 'easeOutQuad');

                },

                function () {

$(this).find('.label').stop().animate({bottom: -40}, 200, 'easeInQuad');
```

```
$(this).find('img').stop().animate({top: 0}, 300, 'easeOutQuad');


                                                        }

                                                );

                                        }

                                };

                                // Run the show!

                                        filterList.init();

                                });

                                </script>

        </div>

        </div>

<!-- //banner -->

<!-- banner-bottom -->

        <br />

<!-- //banner-bottom -->

<!-- about -->

        <div id="pricing" class="pricing">

        <div class="container">

                <div class="price">

                        <h3><?php echo $hd ?> :: Details</h3>

                        <br />

                </div>

        <?php

        $seld=mysqli_query($dbcon,"select * from dadmin_data");

        $i=0;

        while($rd=mysqli_fetch_row($seld))
```

```php
        {
          $i++;
          if($i%2==0)
          {
            $cls="basic basic-mid";
          }
          else{
            $cls="basic";
          }
      ?>
              <div class="<?php echo $cls ?>">
                  <div class="business">
                <a href="view.php?did=<?php echo $rd[2] ?>"><h2>
                  <?php
                  $seldis=mysqli_query($dbcon,"select * from district where
    DistCode='$rd[2]'");
                  $rdis=mysqli_fetch_row($seldis);
                  echo $rdis[2];
                  ?>
                </h2></a>
                      <p>DISTRICT</p>
                  </div>
                  <div class="value">
                      <p><?php echo $rd[3] ?></p>
                  </div>
                  <ul>
              <?php
```

```php
            $countp=mysqli_query($dbcon,"select * from padmin_data where
sid='$rd[1]' and did='$rd[2]'");

            $rp=mysqli_fetch_row($countp);

            ?>

                        <li><span><?php echo mysqli_num_rows($countp) ?></span>
Panchayat</li>

            <?php

            $countnr=mysqli_query($dbcon,"select * from nregs where sid='$rd[1]'
and did='$rd[2]'");

            $rnr=mysqli_fetch_row($countnr);

            ?>

                        <li><span><?php echo mysqli_num_rows($countnr)
?></span> NREGS</li>

            <?php

            $countmem=mysqli_query($dbcon,"select * from nregs_member where
sid='$rd[1]' and did='$rd[2]'");

            ?>

                        <li><span><?php echo mysqli_num_rows($countmem)
?></span> Members</li>

            <?php

            $countjob=mysqli_query($dbcon,"select * from job_data where
sid='$rd[1]' and did='$rd[2]'");

            ?>

                        <li class="gd"><span><?php echo
mysqli_num_rows($countjob) ?></span> Works</li>

                </ul>

                <div class="buy-me">


                </div>

            </div>
```

```php
        <?php
        if($i==3)
        {
           $i=0;
            ?>
        <div style="color: white;">asd</div>
        <div class="clearfix"> </div>
        <?php
        }
        }
        ?>



        </div>
        </div>
    <!-- //about -->
    <!-- pricing -->


    <!-- //pricing -->
    <!-- gallery -->


    <!-- //gallery -->
    <!-- contact -->


    <!-- //contact -->
    <!-- footer -->
    <div class="footer" style="margin-top: 100px;">
```

```php
        <?php
    include '../footer.php';
    ?>
        </div>
<!-- //footer -->
<!-- here stars scrolling icon -->
        <script type="text/javascript">

        $(document).ready(function() {
                                                /*
                                                var defaults = {

        containerID: 'toTop', // fading element id

        containerHoverID: 'toTopHover', // fading element hover id

        scrollSpeed: 1200,

        easingType: 'linear'
                                                };
                                                */


                                                $().UItoTop({
easingType: 'easeOutQuart' });


                                        });
        </script>
<!-- //here ends scrolling icon -->
</body></html>
```

# SYSTEM IMPLEMENTATION AND MAINTENANCE

## 11. SYSTEM IMPLEMENTATION AND MAINTENANCE

Systems implementation is the process of: defining how the information system should be built (i.e., physical system design), ensuring that the information system is operational and used, ensuring that the information system meets quality standard (i.e., quality assurance) System maintenance is an umbrella term that encompasses various forms of computer maintenance needed to keep a system running. The two main components of system maintenance are preventive and corrective maintenance.

### 11.1 SYSTEM IMPLEMENTATION

System implementation phase is the most difficult in the lifecycle. It is defined as the process of converting a new or revised system design into an operational one. Implementation includes all those activities that take place to convert from the old system to new. The old systems consist of manual operations, which are operated in very different manner from the proposed new system. These are several methods for handling the implementation and the consequent conversion from the old system to the new computerized system.

The most secure method for conversion from the old system to the new system is to run both systems in parallel. In this approach a person may operate in the manual older processing system as well as start operating the computerized system, we can depend upon the manual system.

Another commonly used method is a direct cut over from the existing manual system to the computerized system. The system may work within a week or a day. There are no parallel activities. However, there is no remedy in case of a problem. This strategy requires careful planning. A working version of the system can also be implemented in one part of the organization and the personal will be piloting the system and changes can be made as and when required. But this method is less preferable due to the loss of the entire system. This type of conversion is usually difficult and is not properly planned; it can give way to a number of problems. Implementations of a modified application to replace an existing one, using the same computer are the next method. This type of conversion is relatively easy to handle. Provided there are no changes in the file. In our project we implemented a new computer system to replace an existing one.

### 11.2 SYSTEM MAINTENANCE

Maintenance is a characteristic of design and implementation, which is expressed, as the probability that can an item will be retained in or restored to a specific condition within a given period of time, when maintenance is performed to accordance with the prescribed procedures and resource.

Maintenance is the enigma of system development. It holds the software industry captive, tying up programming resources. Analyst and programmers spend far more time maintaining program than they do writing them.

Maintenance can be classified as corrective, adaptive or prefecture. Corrective maintenance means repairing processing or performance failures or making changes because of previously uncorrected problem or false assumptions. Adaptive maintenance means repairing processing or performance or modifying the program to respond to the users additional or changing needs. Of this type more time and money are spent on prefecture than on corrective and adaptive maintenance.

Technical and management approaches to the maintenance phase can be implemented with little upheaval. However tasks performed during the software engineering process define maintainability and have an important on the success of any maintenance approach.

# FUTURE ENHANCEMENT

## 12.FUTURE SCOPE & FUTURE ENHANCEMENT

As future enhancement we can implement online payment in this portal which makes it easier and more reliable for salary payments to members in NREGHS.Also we can bring in online banking facility to the system which in turn makes its more user friendly and interactive for the members. Another feature that can be added to the system is that, attendance can be marked using finger print which reduces human effort and is more time efficient.
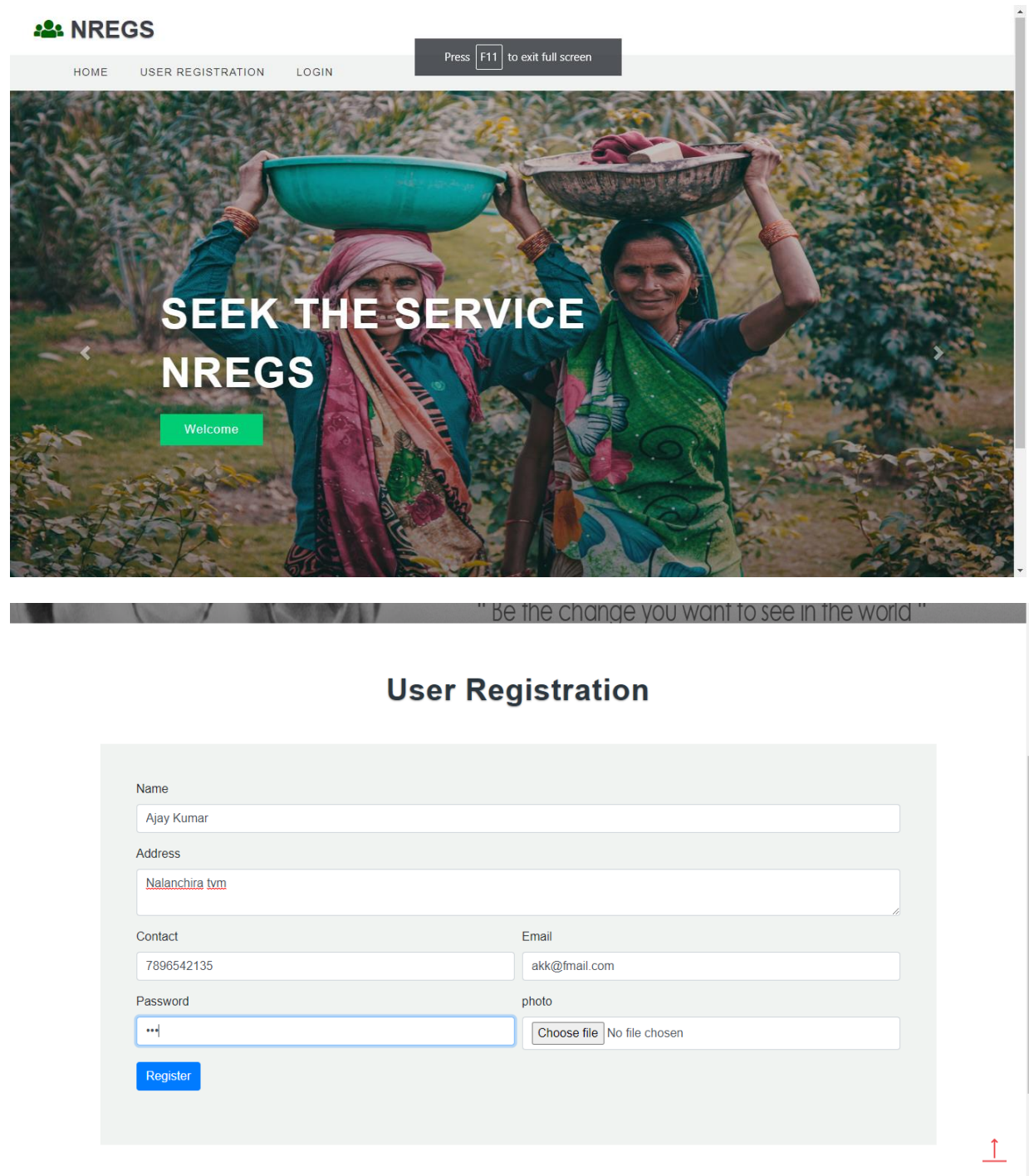
# CONCLUSION

## 13. CONCLUSION

Rural development has been and continues to be an important part of development planning through out the post-independence period .Apart from considerations such as rural-urban migration and wide economic differences between rural and urban areas ,that diversification of rural economy into non-agricultural activities to provide productive employment to the growing labour force is necessary. This portal serves as a one-point contact to all the users who wish to get their household activities done as quickly as possible and moreover, it provides tremendous opportunities for many people who are struggling to find work and to have a healthy income. It acts as a bridge between NREGS groups and user and helps them find each other without much difficulty. Also, it is a user friendly and efficient system which helps both user and the employee to monitor their works and have a systematic process in achieving all the required activities. In a nutshell, the portal helps to enhance and enlighten the Rural India by providing them with enormous job opportunities and to lead a normal life with their families.

# SCREEN LAYOUTS

## 14. SCREENSHOTS

Home    Add District Admin    Manage District Admin    Panchayat    View NREGS    Payment    Logout

**District Admin**

**Add District Board**

Name — Thiruvananthapuram

Main Controller — Manu M

Address — pulimoode Trivandrum

Contact info — 7895463215

Email — tt@gmail.com

Password — ...

Submit

**National Rural Employment Guarantee Act, 2005**

Home    Add District Admin    Manage District Admin    Panchayat    View NREGS    Payment    Logout

**View District board**

Show 10 entries

| Name | Controller | Address | COntact | Email | Password | More |
|------|-----------|---------|---------|-------|----------|------|
| Thiruvananthapuram District | Mathew H | Mannanthala, Thiruvananthapuram, Kerala, India | 7895462131 | tvm@gmail.com | 123 | |

Showing 1 to 1 of 1 entries

1

## Head Office

| # | Name | Photo | Controller | Address | COntact | Email |
|---|------|-------|-----------|---------|---------|-------|
| 1 | Ajay Kumar | | President | House no c45 Ayar Lane Manathala Trivandrum | 7987984561 | ak@gmail.com |

## Members

Show 10 entries

| Name | Photo | Address | COntact | Email |
|------|-------|---------|---------|-------|
| Ajay Devi | | Mannanthala, Thiruvananthapuram, Kerala, India | 7898794566 | ad@gmail.com |
| Justin Binu | | Mannanthala, Thiruvananthapuram, Kerala, India | 7985648887 | jb@gmail.com |
| Manesh Raj | | House, Prasanth Nagar, Ulloor, Thiruvananthapuram, Kerala, India | 7894563215 | mr@gmail.com |
| Neena Ravi | | Manathalal Trivandrum | 7894561325 | nr@gmail.com |

**National Rural Employment Guarantee Act, 2005**

Press F11 to exit full screen

🏠 Home    📊 Add District Admin    🗎 Manage District Admin    ✏️ Panchayat    ✏️ View NREGS    ✏️ Payment    🔔 Logout

### Employee Payment

### Update Employee Payment

Amount    500

Submit

Home    Add NREGS    View NREGS    Job Request    Job Approved    Job Completed    Logout

## Kudumbashree

### Add Kudumbashree

| | |
|---|---|
| Name | Akshaya |
| Reg_no | T5555 |
| Address | Manathala tvm |
| Contact info | 7987897898 |
| Email | akk@gmail.com |
| Password | ··· |

## Attendance

Show 10 entries

| Name | Photo | Address | COntact | Email | Attendance |
|---|---|---|---|---|---|
| Ajay Devi | | Mannanthala, Thiruvananthapuram, Kerala, India | 7898794566 | ad@gmail.com | |
| Justin Binu | | Mannanthala, Thiruvananthapuram, Kerala, India | 7985648887 | jb@gmail.com | |
| Manesh Raj | | House, Prasanth Nagar, Ulloor, Thiruvananthapuram, Kerala, India | 7894563215 | mr@gmail.com | |
| Neena Ravi | | Manathalal Trivandrum | 7894561325 | nr@gmail.com | |

Showing 1 to 4 of 4 entries

< 1 >

Home    Add NREGS    View NREGS    Job Request    Job Approved    Job Completed    Logout

**Thrift**

| Name | Photo | Address | COntact | Attendance | Payment |
|------|-------|---------|---------|------------|---------|
| Neena Ravi | | Manathalal Trivandrum | 7894561325 | | 500 Rs/- |
| Manesh Raj | | House, Prasanth Nagar, Ulloor, Thiruvananthapuram, Kerala, India | 7894563215 | | 500 Rs/- |
| Justin Binu | | Mannanthala, Thiruvananthapuram, Kerala, India | 7985648887 | | 500 Rs/- |
| Ajay Devi | | Mannanthala, Thiruvananthapuram, Kerala, India | 7898794566 | | 500 Rs/- |

**Total:2000 Rs/-**

**National Rural Employment Guarantee Act, 2005**

Home    Add NREGS    View NREGS    Job Request    Job Approved    Job Completed    Logout

**Daily Work**

Show 10 entries

| Title | Date | Time | Work Desc | More |
|-------|------|------|-----------|------|
| Day 1 Work | 2022-08-19 | 07:00 | Cut down trees in the area | |
| Day 2 Work | 2022-08-20 | 09:00 | Cleared the whole ground | |

Showing 1 to 2 of 2 entries

< 1 >

Home    Add NREGS    View NREGS    Job Request    Job Approved    Job Completed    Logout

**Kudumbashree**

**Add Kudumbashree**

| | |
|---|---|
| Name | Akshaya |
| Reg_no | T5555 |
| Address | Manathala tvm |
| Contact info | 7987897898 |
| Email | akk@gmail.com |
| Password | ... |

# BIBLIOGRAPHY

## 15. BIBLIOGRAPHY

- Steven Holzner            :            The Complete Reference PHP
- Vikram Vaswani            :            The Complete Reference MySQL
- Thomas A.Powell            :            The Complete Reference HTML & CSS

**WEBILIOGRAPHY**

- https://www.iotforall.com/what-is-iot-simple-explanation/
- https://www.codecademy.com/learn/learn-php
- https://www.tutorialspoint.com/ajax/what_is_ajax.htm
- https://www.mysqltutorial.org/what-is-mysql/
- https://www.irjet.net/archives/V4/i9/IRJET-V4I9279.pdf
- https://en.wikipedia.org/wiki/National_Rural_Employment_Generation_Scheme
- https://www.mapsofindia.com/my-india/government/mnrega-progress-made-by-modi-government-in-one-year