

E-SERVICES FOR PANCHAYAT

[FEASIBILITY STUDY & REQUIREMENT ANALYSIS]

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RMCA-B

ROLL NO : 44

Name of the Project: E – Services For panchayat

Guide: Ms Nimmy Francis

About the topic

This project is a web based Automation of Panchayat Office. Online website is providing a easy way for applying services from Panchayat. The main objective of the System is to Automate all activities done through Panchayat by managing the details of Users, Staff's, member's of each ward .This System provides users to apply for registrations,certificates,licences,yearly projects etc form panchayat. System is be able to accept user request and manages information of users.System provides a list of services to the user so they can simply select any one of it and apply for it by the filling the requirments,submitting the supporting documents and the payment. Staff uses the system for mark their attendance,apply for leave,do works etc .Members of each ward uses the system to attent meeting in panchayat,create yearly projects for their ward etc.Admin can add, delete and update the records of Staffs and members, authorize certificates and application,allote salary etc. The User gets the proper information about each category of the services and their sub categoires and can track the status for their application. User, Admin, Staff and Member have different login. This Software helps Users to find different services, their benefits and new Government Orders Easly . User-Friendly prompts are provided for user. Attractive and catch Graphical & Photographic Interfaces are used for user interaction. Strong management system controls are used easy Navigation is provided for maintaining proper flow of system. This system computerizes all data . Cost effective and less manpower required.

System Users

1. Admin

Login

Approval of service

Add,delete staff,member

Granding Leaves

Creating meetings

Posting new govt.orders

Allotting salary

2. Customer

Login
Search, View and Apply Services
Submit supporting Documents
Payment Section - Online Payment
Track the application status
Download certificate

3. Staff

Login
Attendance
Leave application
Details of New Work
Details of Pending Work
Verification of work

4. Member

Login
Create project
Sort applicants
Verify eligible candidates
Forward application

SYSTEM STUDY

Akalakunnam panchayat office is selected for system study normal working is, usually when user needed to submit and application they needed to approach the panchayat office and collect the application forms and fill it up in detail and attach each of required documents which exactly mentioned on the application form. submit it in the front office they sort the application and gives it to the section officer. user needs to regularly comes to panchayat office for regular check up of application. Staff have the job of initial checking of application if it is okay then proceed to site visit if any required if not the verify it and forward to the higher authority for authorization. each document and verify it and forward to approval, admin will verify the application

Proposed System

The development of this new system contains the following activities, which try to develop on-line application by keeping the entire process in the view of database integration approach

- Secure registration and profile management facilities for Customers.
- Updates to customers about the new and status of current application
- secured mechanism for checking out from the site

Requirement Analysis

Software Requirement

- Operating System : Microsoft Windows10 Pro
- Front-end tool (IDE): Visual Studio Code
- Back-end tool : PhpMyadmin
- UI Design : HTML, CSS, JAVASCRIPT, BOOTSTRAP
- Backend Design : Php, Mysql
- Third Party APIs
- Customer satisfactions and opinions
- Amount
- Architecture and Security

Hardware Requirement

- Operating System : Processor Intel(R) Core(TM) i3-8130U CPU @ 2.20GHz, 2208 Mhz, 2 Core(s), 4 Logical Processor(s).

Feasibility Study

Feasibility study is so important stage of Software Project Management Process as after completion of feasibility study it gives a conclusion of whether to go ahead with proposed project as it is practically feasible or to stop proposed project here as it is not right/feasible to develop or to think/analyze about proposed project again.

The feasibility study plays a major role in the analysis of the system. The very decision of the system analysis whether he should design a particular system or not and till what extend or limits the very project should be stretched can be inferred from the system study

feasibility. Hence the feasibility study forms the basis of the system. The feasibility system can be categorized into:

- 1) Economic Feasibility: -
- 2) Technical Feasibility
- 3) Operational Feasibility: -
- 4) Behavioural Feasibility: -
- 5) Scheduling Feasibility: -

1) Economic Feasibility: -

Economical feasibility determines whether there are sufficient benefits in creating to make the cost acceptable, or is the cost of the system too high. As this signifies cost-benefit analysis and savings.

The website requires marketing and profits to be obtained from the purchases of the goods. For this website needs to be hosted in a reputed domain, such as .com, .org, .in etc. Now the cost required to purchase such a domain is much expensive.

For the time being, considering the limitations of the budget, the website can be hosted in a free domain or less cost acquiring domain.

- The cost of the hardware and software?
Ans: Also all the resources are already available.
- The costs conduct a full system investigation?
Ans: The proposed system is developed as part of project work, there is no manual cost to spend for the proposed system.
- Personal costs
- Computer usage
- Supply and equipments costs
- Cost of any new software and computer requirements

2) Technical Feasibility: -

The technical compatibility is the major concern to be noticed and the system requirements too. As the proposed project is a website with product management and booking seller system also including some machine learning algorithms. The system/software required to host as well as run this website require a specified requirement system. The proposed system can run on any machines supporting Windows and Internet services and works on the best software and hardware that had been used while designing the system so it would be feasible in all technical terms of feasibility.

The proposed system includes the following questions:

- Is that project technically possible?
 - Yes
- Is there sufficient support for the users
 - YES
- Will the proposed system cause harm?
 - NO

3) Operational Feasibility:-

- Operating viability is dependent on the human resources available for the project and involves predicting whether the system will be used if it is created and deployed. It is mainly related to human organization and political aspects. A measure of a proposed system's ability to address problems, take advantage of opportunities discovered during scope definition, and adhere to requirements discovered during the requirements analysis stage of system development is called operational feasibility. It also ensures that the computer resources and network architecture of our system are workable.
- Does current mode of operation provide adequate throughput and response time?
 - Yes
- Does current mode provide end users and managers with timely, pertinent, accurate and useful formatted information?
 - Yes

4) Behavioural Feasibility:-

The project would be beneficial because it satisfies the objectives when developed and installed.

1) Is there sufficient support for the users?

2) Will the proposed system cause harm?

It evaluates and estimates the user attitude or behavior towards the development of new system.

5) Scheduling Feasibility

In Schedule Feasibility Study mainly timelines/deadlines is analyzed for proposed project which includes how many times teams will take to complete final project which has a great impact on the organization as purpose of project may fail if it can't be completed on time.

ONLINE MOBILE STORE

Date: 31/08/2022

Guide: Ms Nimmy Francis

Project Overview

The main objective of the Automation of Panchayat System is to manage the details of User, Provide certificates and services to them. Manage staff and members in panchayat

- Specify the Viewers/Public which is to be involved in the System?

Ans: Users,

- List the Modules included in your System?

Ans: Admin, User, Staff and Members

- Identify the users in your project?

Ans: mainly Admin, Users, Staff, Members.

- Who owns the system?

Ans: Administrator

- System is related to which firm/industry/organization?

Ans: Education

- Details of person that you have contacted for data collection?

Ans: Jancy Babu

Phone No: 8606596654

President Akalakunnam Grama Panchayat

Sandhya T.A

Staff at Akalakunnam Grama Panchayat

Questionnaire to collect details about the project?

1. which are the services provided to a user from panchayat?
2. What is user needs to done for submitting a request?
3. Who has the central control in panchayat and what are in major duties?
4. Members duties in Panchayat?
5. The way of file handling by staff?
6. Fees for the services?
7. How yearly projects are created by a member and staff?
8. How does Staff's mark attendance and leave what is its procedure?
9. What are factors make time delay for every panchayat activities?
- 10.