Sri Lanka Institute of Advanced Technological Education (SLIATE)

Project Proposal

K.Yohitha

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Title

Grama Niladhari Management System

Supervised by

Mr.K.THEVARUBAN

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1. Introduction

We are currently living in a world of technology which play major role in our life.we need,different demands from technology keep on rising.Technologies are changing day by day. It is of extreme importance several fields such as education,departments,officers and nursing etc.

The Grama Niladhari management system is most important system in each and every GS division. To control and store all the details of the people who under the specified devision. Currently they are using manual system. It is so hard to manage , store and view all the detail. The current system is lagging all the processes.

So, We decide to create a windows application to manage all the activities of Grama Niladhari.It will handle the all people details and people details who affected by disasters And who receive samurthi funds and Voter details and PAMA list.

2. Background and motivation

Manmunai West Vavunatheevu Divisional Secretariat is a Divisional Secretariat of Batticaloa District,of Eastern Province,Srilanka.
It was Established in British Government Rule. This Divisional Secretariat
Control's around Manmunai West area.
Our Grama Niladhari is under this Divisional Secretariat.

Currently they are using a manual system to contol people details and samurthi deatails. And they feel this is not effiective and efficincy for them. The current system making them some major problem as some poeple details are missing from reports and some are not recive by the reciver or not get the responses to the branch.
As per that I think about to make software for them to handle all the details of people who recive samurthi, disater money recievals,PAMA recievals and voter details in an automateed system.

3. problem in brief

Many offices are operate their system manually by a group of people. These people keep records regarding to store details manually via MS Access. The office very large so there are major problem in they keep GS management manually. That's way they need this software.

1. Categorize people according to fund .
   There are 3 type fund recieval. There are samurthi, PAMA and Disaster.

2. Store family wise too
   We can add people details by family too.

3. Catergorize the people according to their fund amount.
   Catergorize the people according to their fund amount. Like rs.1000, rs.2000, rs.3000.

4. Print Details.
   We can print all the details at any time.

5. Access Time
   The manual system take long time process compare with computerized System.
   Example User search the particular detail from record its can take long time.

4. Aims and objectives

4.1 . Aim

- Aim of our project is create a Grama Niladhari Management system.

- Throw back the legacy system into Database system.

- Secure details of everyone under GS division.

- Make system easy to handle for users.

4.2 Objectives

- Insert people details.

- Update details of people.

- Insert Disaster Details.

- Search using Disaster.

- Insert PAMA details.

- Search using PAMA details.

- Categorize people according to recievable fund.

- Search people using ID and Fund method.

- Count the people per Fund methods..

- Give a chart monthly for month wise.

- Print details.

4.3 Requirements

The system has basically 2 types of users.

1. **Administrator**

- Administrator will be Technical officer.

- Administrator can control all the system.

- Administrator can update ,delete and search details.

- Search and view details of people, Disaster and PAMA.

- Print details.

2. **Assistant.**
   - Add details.
   - Catogarize the poeple.
   - Update and delete details.
   - Print details.

5. Proposal solutions

The proposed solution of the manual management system is to develop a computerized GS management system. Before developing the proposed system , there is need identify.

1.The design of proposed system.

2.The main users of the mail managemnt system.

3.The activites of main users.

5.1 The design

The proposed system will be design using Net beans as the front end and My SQL as the back end (the database used to store the People details, Samurthi details, disaster details and Voter Details). The size (in terms of memory) of the proposed system will be small.

5.2 The users

The main users of the proposed system is Grama Niladhari. He will be the admin of the system.

5.3 Their activites

The activities of the main users of the proposed ststem are listed in a table below

No	Activities of Users
01	Enter people details.
02	Enter disaster details.
03	Enter samurthi details.
04	View samurthi and disaster details.
05	Add and update details.

6. Resource requirements

The proposed system will be develop using java.

6.1 Hardware

- **PC or Laptop with Minimum Core 2 Duo Processor.**
- **Minimum 1 GB space in Hard Disk**
- **Minimum 1 GB Ram**

6.2 Software

- **Operation System : Windows 7 or Above**
- **Language : JavaFX**
- **IDE : Netbeans and Scene Builder**
- **DBMS : MySQL**

7. Reference

W3Schools JAVA

W3schools.com. (2020). *Java Tutorial*. [online] Available at:
https://www.w3schools.com/JAVA/default.asp [Accessed 28 Feb. 2020].

Anon, (2020). [online] Available at: https://www.youtube.com/watch?v=eIrMbAQSU34 [Accessed 28 Feb. 2020].

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