Application for Tribal School Monitoring

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Abstract - *Education is right of every single person, and government also takes appropriate measure for the same. One such measure is providing education to people in tribal areas of country which includes building schools for tribal children and thus giving them chance to educate themselves cope up with growing world and also increase the literacy rate of country.*

With this measure various more measures were taken in that particular school like cleanliness, proper sanitization, mid-day meal. Also all this measures need to be monitored periodically to ensure these are being properly provided to them.

This application is been developed to monitor the same. Monitoring this manually is very difficult, time consuming, costly, thus using image processing, an android application, and a backend for officers monitoring is done much more easily.

Key Words:

Android Application: XML, Java.

Website: PHP, MY-SQL, CSS, HTML, JavaScript.

Application Requirement: Ide-Sublime, FileZila

1. INTRODUCTION

Education is right of every citizen in our country, thus government takes various measure for this. One of the measures taken by government is building schools in tribal area and give people over there to get educate and cope up with the upcoming global world.

To ensure this government also provide various other facilities like mid-day meal, cleanliness, proper sanitization. But monitoring on this manually for government tribal become very difficult, thus this application is developed. Which help in monitoring this much more easily.

In this Project there will be a front end and a back end. The front end will be android application and back end will be a website. The android application will be handled by inspection officers and the website will be with the tribal department officers for monitoring.

Here front end is an android application which will be handled by an inspection officer. Here particular officer will have specific login id and password through which he will login and then select a division then taluka of then particular division and then select school of that particular division. Then will be answering the set of predefined questions some of which contains comments some of them contains photo upload and some of them contains rating. After answering the questions he will submit the data which will then get store in a database in a tabular form.

Backend of this project is a website on which the tribal department officers will be working. They will choose a division then will select a particular school and then will be having option of either choosing a month or seeing overall data. By appropriate choice the officer will be taken to next page were all the information according to answered question is present he can choose one particular question data and go and look in detail about it like photo uploaded or comments or rating. Also a provision of taking printout is given so that he direct give command and take print if he wants.

In this way the whole monitoring process will work and further action if required will be taken by the higher authorities according to data send to them.

1.1 OBJECTIVE

The various objective of the project is:

➢ The Tribal Department will be able to monitor the schools properly.

➢ All the facilities will be provided appropriately to the students.

➢ The fund required will exactly be known thus cost cutting can be achieved.

➢ Literacy rate can be increased.

➢ Cleanliness and proper hygienic food can help in decreasing diseases.

➢ Overall growth of the students can be achieved.

2. PROPOSED APPROACH

The details about the schools condition when gathered is used by the officers at the server side where he suggest and grades each school by which each school can be developed

2.1 PROPOSED SCHEME

Below is the flowchart which shows the overall working of the project. Here the workflow is right from selecting

division followed by taluka followed school and answering the set of questions and submitting them by the inspection officer after which another officer of the in Tribal Department selects division followed by taluka followed by School and then will login through login id and password and will analyze the data according to month or year selected.
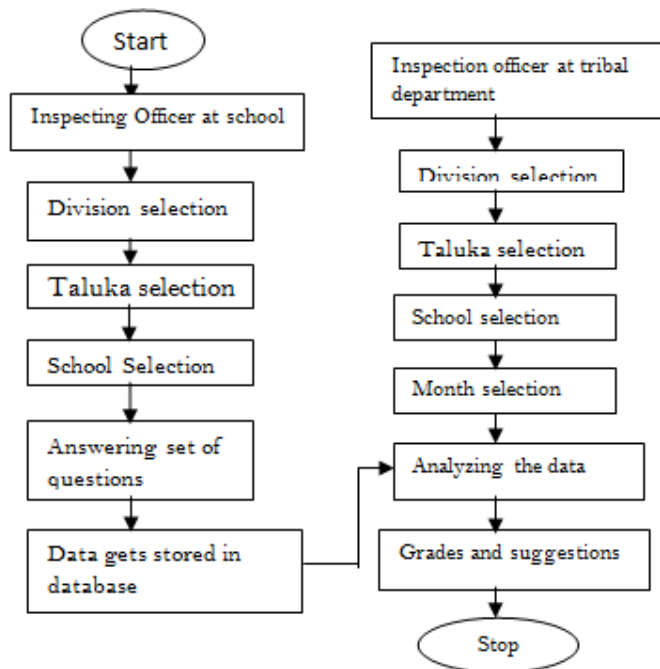

Figure 1: Systematic flow of proposed work

2.3 PROCEDURE AS FOLLOWS:

  ➢ The officer visiting the school for inspection will first select the division.

  ➢ Then under the division respective taluka is selected.

  ➢ Under the taluka a school is selected.

  ➢ Here pre-defined 70 questions are answered looking at the condition of the school with uploading the photos.

    There are three types of questions which are as follows:

      ➢ First type is rating type.
      ➢ Second type is the yes or no.
      ➢ Third is the comment.

  ➢ This answers gets stored in the database which is then analyzed by the officer at the tribal department as follows:

      ➢ Select the division.
      ➢ Select taluka
      ➢ Select school
      ➢ Select month

  ➢ Login with password
  ➢ Analyze the data
  ➢ Give grades and suggestions to respective school.

3. FUTURE SCOPE

This application can be developed for hospitals.

  ➢ Appropriate facilities can be provided to the students which will indirectly increase attendance in the school

  ➢ This will lead to increase in literacy rate.

  ➢ Diseases in the area will get reduced due to cleanliness.

  ➢ It can be used by any government organization.

  ➢ This application can be used in hospitals for proper maintenance, like patient facility supervision, medicine department supervision.

  ➢ This application can be used in colleges for proper maintenance, like student facility, administrative department supervision.

4. CONCLUSION

With the help of new technology this application provides appropriate means for government to keep an eye on schools. It will help government in unnecessarily wasting time by going personally into the schools and checking..

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