SE 505 : Software Project Lab II

Tea Garden Management System

Submitted by -

Md.Arif Hasan

BSSE Roll No. : 1112

Mushfiqur Rahman

BSSE Roll No. : 1130

Supervised by

Md. Mahbubul Alam Joarder

Designation: Professor

Institute of Information Technology

Institute of Information Technology

University of Dhaka

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1. Introduction: Though most of the tea gardens in Bangladesh are situated in Sylhet and Chittagong division, there are also tea gardens in northern districts of Bangladesh. Those gardens serve local demand. There are many small and large tea gardens in Thakurgaon district. Those tea gardens usually manage all kinds of their work manually. There is scope for automating the system using software. For this reason, as our SPL-2 project we have chosen 'Sultan Tea Garden' which is located in Thakurgaon.

2. Scope:

The scope of this project is described in the following subsections:-

Project Goal:

We will develop a web application for 'Sultan Tea Garden' which will make their work easier and more efficient.

Workflow: Our project will follow the following sequence:

- The initial step is to provide the loan to the farmers so that they can initiate their work for growing tea leaves.So, Loan management is the initial part of our project.

- As tea leaf production is the main goal of the company, people who are associated with tea leaf production are managed under HR management.

- People who are managed in HR management, their salary and wages will be provided in Payroll management.

- To store inventories(raw materials and tea leaves) more efficiently, they use a warehouse. Those inventories are managed in Inventory management.

Tools: For frontend we will use HTML,CSS,Bootstrap and vue.js . For the backend we will use MySQL, Node js.

Deliverables:

- SRS documentation
- Web Application
- Final Report

3. Motivation:

There are mainly 3 motivations which inspire us to work on this project.

- The main motivation behind this project is to solve a real life problem.
- We will gain experience about how to deploy technology in real life.
- Successful use case implementation in the northern part of Bangladesh.

4. Work plan:

Firstly we will meet with the stakeholders, listen about their requirements. On the basis of their requirements, we will write the story and make our proposal form.

Then we will work following these sequences:

- SRS documentation
- Designing
- Development
- Testing the project.
- Deploying the software.
- Final report writing
- Getting users feedback

Supervised By : Md. Mahbubul Alam Joarder
Professor,
Institute of Information Technology
University of Dhaka
Date : 04.02.2022

**Supervisor's
Approval** : _____.