SRS

**1.Introduction**

SRS  is a complete description of the behaviour of a system to be developed. It includes a set of [use cases](http://en.wikipedia.org/wiki/Use_case) that describe all the interactions the users will have with the software.It deals with the requirements of the proposed system. It describes what the proposed System should do without describing how the System will do it. An SRS provides a reference for the validation of the final product i.e, the SRS helps the client to determine if the System meets the requirements.

* 1. **Purpose**

This document is meant to serve as a guide to the developer on one hand and a software validation document for the client on the other. The purpose of this document is to specify all the information required to design, develop and test the software. This to ensure that the person reading the document understands what he or she is looking at. It provides the visibility in the design and provides information needed for software support.

* 1. **Scope**

The scope of this project includes our group of developers assisted by our customer. The scope thus far has been the completion of the basic interfaces that will be used to build the system. The database used, has been set up and given the necessary permissions. This Application works in Multiple PC’s installed on multiple Computers by sharing same database by which users of different departments can use it sitting at different locations simultaneously.

**1.3 Existing System**

In the existing system Estate Owners manually maintain the records of the workers, Inventory, Payroll, Treatment etc. Searching of particular Record as well as the payroll maintenance is really tedious job. Also it is time Consuming and not be able to find the proper record required. There is also chances of data loss.

**1.4 Proposed System**

After understanding the existing system and understanding the need for developing a new system different people involved in the related activities have been consulted. The data needed for the study has been collected from Estate owners.

The computerization of this system would avoid the wrong interpretation and bad calculation of data .The system help the user to see any documents, source code, tasks, activities, team information with details at the click of a button. The record data is maintained and backed up such a way that data is not loss. The speed of the system could also increased. This EMS will positively impact virtually everyone associated with the Estate. The new system will increase data accuracy, make EMS more secure, effective, convenient and accessible and begin to coordinate information across the system.

**1.5 Definitions, Acronyms and Abbreviations**

* EMS - Estate Management System
* SRS - Software Requirements specifications
* SQL - Structured Query Language
* RAM - Random Access Memory

**1.6 References**

**1.7 Overview**

EMS is the system that manages all the business operations of Coffee Estate . This System automates and thus simplifies all the functions of Coffee Estate.

The major features of the EMS are organised according to its main components. The features of the EMS are as follows:

* Keeps the track of the transactions done in the Coffee Estate
* Maintains the Accounts and Financial status of the Coffee Estate
* Up-to-date Reports are generated.
* Production and Sales details are maintained.
* Employee Payroll is maintained.
* Reduces manual work and time consumption
* Provides Data security
* No Data loss and Misuse of data is avoided.
* Minimized paper work

**2. Basic Diagrammatic view of the system**

**2.1 User Characteristics**

* General users with basic computer skill can use this software.
* User friendly
* Very easy to use and understand
* Trained to use the software

**3.Specific Requirement**

**3.1.1 Hardware Interface**

* Printer
* Scanner

**3.1.2 Software Interface**

* DotNetFramework
* Cystal Reports dll file
* Sql Server

**3.1.3 User Interface**

The user interface is designed in VB.Net. The developer will have to study the designing of the product. The use of the controls and the component from the Add items feature of the VB. The user of the product will get very user friendly forms which will be very easy to work with.

**3.2 Functional Requirement**

**3.2.1 Workers**

Input: Entering the personal details, working details of the workers

Process: Workers details are added.

Output: Proper data is added and retrieved.

**3.2.2 Treatments and Maintenance**

Input: Entering the details of manure, Irrigation, Cleaning, Fencing, warehouse maintenance etc

Process: Treatment details are added.

Output: Proper data is added and retrieved.

**3.2.3 Production**

Input: Entering the details like quantity of Production and curing along with the market details of the Coffee Product.

Process: Production details are added.

Output: Proper data is added and retrieved.

**3.2.4 Estate Payroll**

Input : Entering the Accounts details like payments, Income, Financial transactions etc.

Process: Payroll details are added.

Output: Proper data is added and reports are produced.