PROJECT DOCUMENTATION

**PROJECT BRIEF**

**Project:** Bill detection system using machine learning

Release: May 2022

Date: 10-02-2022

# 1 Project Brief History

## 1.1 Document Location

This document is only valid on the day it was printed.

The source of the document will be found on the project's PC in location

## 1.2 Revision History

**Date of this revision:**

**Date of Next revision:**

| **Revision date** | **Previous revision date** | **Summary of Changes** | **Changes marked** |
| --- | --- | --- | --- |
|  |  | First issue |  |

## 1.3 Approvals

This document requires the following approvals.

Signed approval forms are filed in the Management section of the project files.

| **Name** | **Signature** | **Title** | **Date of Issue** | **Version** |
| --- | --- | --- | --- | --- |
| Dr.Yasas Jayaweera |  | Project Executive |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

## 1.4 Distribution

This document has been distributed to:

| **Name** | **Title** | **Date of Issue** | **Version** |
| --- | --- | --- | --- |
| M.K.N.K Pieris | Project Manager | 5/2/2022 |  |
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| Kalansooriya C.S | Quality Manager | 5/2/2022 |  |
| Sanesha Gangul U.H | Risk Manager | 5/2/2022 |  |
| JRavindu Chathuranga | Start-Up Manager | 5/2/2022 |  |

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# 3 Purpose

The customer wants to improve the efficiency of his business process and make it more reliable. There will be only one user who will be interacting with the system(owner). Because this business activity will be only involved within the owner and the sales representative. The collection of accurate and up-to-date data will help the firm to run smoothly. As a result, the proposed system will be a good substitute for their current business procedure and will meet all the business requirements.

This document will explain the proposed system and what will be the results after the system implementation. The scope, development, dependencies, system constraints, and all other associated details that would be useful to the developing team in developing the system are clearly defined here.

# 4 Background

Sipsara Book shop & Communication which is located in Maharagama area, and the owner of this shop has to update the stocks received from the sales representatives manually each month. All the stock counts and the price range of each good are stored using an excel sheet.

The following data will be stored in the excel sheet manually,

* Product name
* Quantity
* Buying price /selling price
* Check-in date
* Invoice number

However, the proposed system will be simple to use, even for a non-technical person.

# 5 Project Definition

The main concern of this proposing project is to increase the efficiency of Sipsara Book shop & communication.

## 5.1 Objectives

* To design a web application for Sipsara book shop & communication using machine learning
* To develop the system according to the client requirement.
* Test the system with relevant testing methods.
* To launch the website's integrated system on the internet.
* To make the system user-friendly and reliable.

## 5.2 Project scope

Sipsara book Schop & communication which is located in Maharagama area needed a website to increase their efficiency of the business process. Currently, the owner of that business enters all the stock counts in an excel sheet, and also this process takes a long time period to summarize the monthly stock count.

We will be developing a web application for this stationary shop. When the owners purchase goods to his shop from the sales representatives the shop owner will be receiving a receipt from the sales representative for the goods that he bought, previously the owner updated the detail to the excel sheet one by one and it will take a long time and will reduce the efficiency, therefore, our team will be developing a web application to make this process more efficient. After receiving the bills from the sales representatives, the owner has to take a snapshot of each bill and upload, the uploaded snapshots of the bills will be scanned, and the details of the stocks will be automatically uploaded to the system.

## 5.3 Outline business case

There are currently no financial resources available. The system will be created for free. Hardware installation may be implemented in the future based on future requirements and also from this proposed system will help this business manage time. The most important part is if the owner inserts the record manually there is a chance to miss at least one record but if that process is automated it will be easy and more reliable.

## 5.4 Customer’s Quality Expectations

The proposed system should be more user-friendly than the existing system.

if there are any small updates in the system the user by himself will be able to update it

Expected website will be secured and fully operational.

## 5.5 Acceptance Criteria

* Panel of Login
* Creating a report

## 5.6 Any known Risk

This system just allows for only owner logging. If a different person needs to log in, they must do so using the same account. There are no alternative user interfaces available for 3rd party login.