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Sri Lanka Institute of Information Technology

**MILCO OUTLET HANDLING SYSTEM**

Project Proposal

Information Systems Project 2018

Project ID: 2018\_06

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20/07/2018

Date of submission

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**1. INTRODUCTION**

**1.1 Introduction to client**

This project is proposing for a MILCO SALES OUTLET company which situated in RAGAMA. According to the company process they buying a different type of milco products from milco suppliers and selling them to outside buyers.

As the client’s requirement, they have two types of suppliers and they need a good database to handle their supplier’s details. And they need a good stock maintenance system too.as well as the company has a large number of working employees. So it has begun a huge problem in handling their day process. So that we proposing a project to implement a system which helps to solve those problems and a system that easily can handle in company day to day work process.

Our client name is Mrs. N.A.P Nirmala De Silva. She is the Agent of this Milco Outlet which situated in Ragama. She is a good experienced Business women and she hoping to spread her Milco outlets in Kadawathe, Colombo areas also.

**1.2 Problem statement and difficulties they face.**

The problem is that this company done all work manually. Billing, Salary Payments, employee details, records, supplier details, stock and etc. are the most important data that we must keep up to date and secure. But because of doing these works manually they had to face some serious problems, such as Missing papers, Time consuming, too costly, wasting manpower and also no efficiency at all.

***Special problems that they had faced:***

* Difficulty in accessing data.
* Security problems.
* Data Redundancy.
* Data integrity.
* Data inconsistence.
* The employee doesn’t work through the correct procedure. it means the employee take some products from outsource suppliers (not recommended by the agent).

**1.3 Solutions**

So within our system we try to overcome these problems faced by our client. As I mentioned earlier, most of the time those problems are started because of the manual system. If we can create an automated system that will help to manage company functionalities with less use of manual inputs, then we could surely overcome these problems.

Considering above problems, the client must have a good database for handle their suppliers’ details.

So we can implement functionalities that user can add, remove, and check quantities which are buying from suppliers.

As well as we can implement a good automated database for handle Stock details. Search about available items, calculate quantity prices which allocated to suppliers and buyers. And add & removing items are some functionalities that we can implement there.

When handling Employee details, we can implement a good database for save employee details. In there can add new employees, remove employees and search about employee details. As well as we can implement the system to calculate daily working salary and monthly salary.in this functionality we can take a record on their attendance as well as work time too.

Lastly we can add a function we can implement is sales function. In that function we can keep a very large database which helping to maintain sales details. According to the function mainly client can get a record about customer details. Client can add new customers and remove customers. If client need some details about customer she can access the database easily count and get them. As well as client can get count about daily sales and month end. And can generate reports about daily sales and monthly sales.

**1.4 Benefits**

As I mentioned in the solution part, there are so many benefits and advantages can be get by using our application. This application will simplify the whole milco outlet system.

Some of them are,

* Save your time.
* More efficiency
* No more note books
* 100% secure
* Save your Manpower
* User-friendly interface

**2. Objectives**

Supplier Handling -

In this function, client can’t handle easily supplier details in a good database. After implementing this function customer can add supplier details in to a data base. From that database client can search about a supplier as well as client can remove details about unwanted suppliers. Using this function client can handle supplier invoices, reports too.

Stock Handling –

Using this function client can handle and keep good quality database about items. According to the client requirement client can add details about items in the shop. As well as client can get a count on available quantity off goods. Client can search about items and remove items from the database. Client can get a report on available quantity of items and send emails to supplier when the stock become lower.

Sales Handling –

The next main function which full fill the client requirement is Sales handling. Using this function client can keep a good record about sales details. Client can keep details about customers .so client can add, search and remove details about customers. As well as client can calculate daily selling as well as monthly selling too. Client can generate daily selling reports as well as month end reports using this function.

Employee Handling –

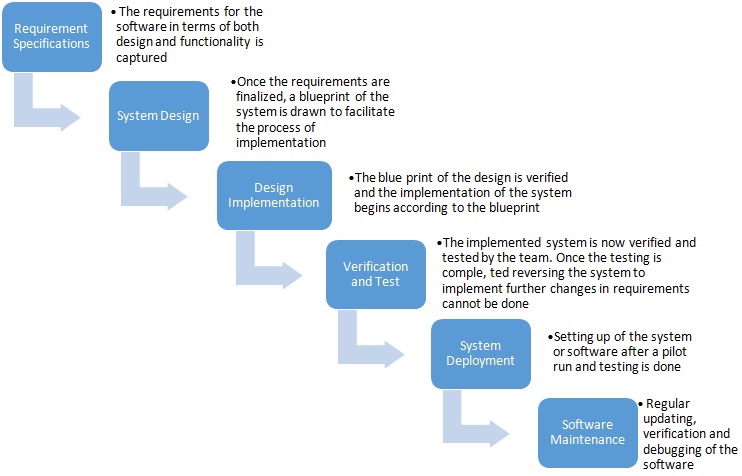
According to client requirement, employee handling had become a huge problem that client had faced. For that after implementing our project client can easily handle employee details in good manner. Client can keep a record about employees in an employee details data base. Client can search details about employees as well as client can remove employees from the database. The next important thing that client can do using this function is calculating employee salary.

Owner

**3. Procedures**

**3.1 Flow of The Project**

The proposed project follows the waterfall model in developing the software. The advantage of waterfall development is that it allows for departmentalization and control. A schedule can be set with deadlines for each stage of development and a product can proceed through the development process model phases one by one. The waterfall model progresses through easily understandable and explainable phases and thus it is easy to use. It is easy to manage due to the rigidity of the model – each phase has specific deliverables and a review process. The designers build the database, user interfaces and developers build working functions.



* **Requirements:**The first phase involves understanding what need to be design and what is its function, purpose etc. Here, the specifications of the input and output or the final product are studied and marked.
* **System Design:** The requirement specifications from first phase are studied in this phase and system design is prepared. System Design helps in specifying hardware and system requirements and also helps in defining overall system architecture. The software code to be written in the next stage is created now.
* **Implementation:** With inputs from system design, the system is first developed in small programs called units, which are integrated in the next phase. Each unit is developed and tested for its functionality which is referred to as Unit Testing.
* **Integration and Testing:** All the units developed in the implementation phase are integrated into a system after testing of each unit. The software designed, needs to go through constant software testing to find out if there are any flaw or errors. Testing is done so that the client does not face any problem during the installation of the software.
* **Deployment of System:** Once the functional and non-functional testing is done, the product is deployed in the customer environment or released into the market.
* **Maintenance:** This step occurs after installation, and involves making modifications to the system or an individual component to alter attributes or improve performance. These modifications arise either due to change requests initiated by the customer, or defects uncovered during live use of the system. Client is provided with regular maintenance and support for the developed software.

Standalone application

Staff Members

Owner

Outlet Handling   
System

Database Connection

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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  | **Evaluations** | | Start Date | Duration |  |  |  | |  | Group Finalization and project selection | | 2-Jul | 7 |  |  |  | |  | Project Charter submission | | 9-Jul | 7 |  |  |  | |  | Proposal presentation | 16-Jul | | 7 |  |  |  | |  | SRS (User interface designing) | | 23-Jul | 14 |  |  |  | |  | Progress Presentation I | | 6-Aug | 14 |  |  |  | |  | Progress Presentation II | | 20-Aug | 21 |  |  |  | |  | Final Demonstration | | 10-Sep | 21 |  |  |  | |  |  | |  |  |  |  |  | | |  | | --- | |  | |  | |  |  |  |  |  | |  | 3.2GANTTCHART | |  |  |  |  |  | |  |  | |  |  |  |  |  | |  |  | |  |  |  |  |  | |  |  | |  |  |  |  |  | |  |  | |  |  |  |  |  | |  |  | |  |  |  |  |  | |  |  | |  |  |  |  |  | |  |  | |  |  |  |  |  | |  |  | |  |  |  |  |  | |  |  | |  |  |  |  |  | |  |  | |  |  |  |  |  | |  |  | |  |  |  |  |  | |  |  | |  |  |  |  |  | |  |  | |  |  |  |  |  | |  |  | |  |  |  |  |  | |  |  | |  |  |  |  |  | |  |  | |  |  |  |  |  |  |  | | --- | |  | |
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4. Personnel and facilities

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| **Role** | **Responsibility** |
| System Analyst | * Facilitate Requirement gathering. * Documenting of Project Requirement. |
| Designers | * Analyze software requirement specification. * Convert the requirements into a programmer understandable manner. |
| Developers | * Code the solution using Java and My SQL language. |
| DB administrators | * Create database following the standard steps of relational database designing. * Do Modifications and maintain database according to the requirement of the other developers. |
| Testing People | * Assuring stated objectives and business goals are satisfied. |

5. hardware and software

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| Hardware | software |
|  | My SQL work bench |
|  | NetBeans IDE 8.2 |

We use java language with NetBeans to create our project. In order to store details in databases we used My SQL work bench as software.

6. Budget

Transport –

Public transport - Rs. 5000/=

Working cost-

Analysis and design - Rs. 5000 /=

Design work plan - Rs. 2000 /=

Architecture design - Rs. 3000 /=

Create database - Rs. 4000 /=

Import existing client data - Rs. 3000 /=

Create GUI - Rs. 5000 /=

Deployment to desktops - Rs. 1000 /=

Training - Rs. 2000/=

Overall Budget – Rs. 30 000 /=

6. References

* Java “The Complete Reference”
* <https://www.w3schools.com/>
* <https://www.youtube.com/>

7. Appendices

* Database: A database is a collection of information that is organized so that it can be easily accessed, managed and updated.

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Stand alone application

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