**COMPUTER ASSISTED CREDIT SALES MONITORINGWITH**

**STOCKPILE ITEMIZATIONSYSTEM OF**

**ELIXIR INDUSTRIAL EQUIPMENT INCORPORATED**

**PROJECT DESCRIPTION:**

Elixir Industrial Equipment Inc. Cebu-Branch is using a manual system for their sales monitoring and inventory control thus making it a weak control system that is more prone to errors, less and overstocking. Sometimes the organization overstocks, and the amount of money is wasted since procuring, storing, and accounting for unneeded items require time, space, and money which could have been used on more critical and important assets.

Having this kind of problem, we were able to propose to Elixir Industrial Equipment, Inc. to have an advance system for their salesmonitoring and inventory. This system is meant to help their employees show to customers more relevant items, hassle- free transaction, time management, increase the sales and profit of the company. With the help of this Credit Sales Monitoring with Stockpile Itemization System, the management can easily make consistent, reliable, timely decisions and more productive business.

The following are the list of features of our Computer Assisted Credited Sales Monitoring with Stockpile Itemization System for Elixir Industrial Equipment Incorporated.The entire system has four (4) main menus; File menu, Records menu, Transaction menu and the Reports menu.

**File Menu –**under this menu are the following sub menus and their functions.

* **Backup and Restore** – backup feature allows the admin user to back up the records or database of the system while restore option will allow the user to return or recover the previously stored records.
* **Logout** – this will close or exit the application and return to the login form.

**Records Menu**

* **Product Profile** – this will allow you to enter the products you have which has the Product Code, Product Name, Category, Unit, Unit in Stock, Unit Price and Reorder level where the system prompts to the user if they reached the minimum stock amount, you may also update,view and save the list of items. Price change and discount (**admin only**).
* **Item Unit** – the Item Unit is where you can add a list of options for the user to choose (ei. per bottle or per ink jet) provided that the client has already bought the printer machine.
* **Product Category** – in this system there are only four categories namely: printer, ink, solvent and spare parts but the system is also capable to add, and update categories.
* **Client Profile** – to keep tracks the records of its client. Client basic information includes its company name, address and contact information like telephone number, fax number and email address. The clients in this system refer to the one who buy Linux printers.

**Transaction**

* **Items Receiving (Stock in)** – this module of the system is for receiving of items from head office. The items being received and recorded in this module will be automatically added to the inventory module. This module will sum up the total cost of items received and as well as the total number of items received.
* **Items Stock out** – the items stock out module is for clients who purchase Linux products. It will sum up the total number of items or products.
* **Items Return by Clients**–this module is to record the defective products by the clients.
* **Items Return to Suppliers**– this module of the system is to keep the records of items being returned to its supplier.

**Reports**

* **Stockpile Report** – the system is capable of itemizing and printing real time updates on its stockpile which includes the product name, unit in stock and the total cost.
* **Items Received Report**– print out reports on the list of products or items received.
* **Items Out or Stock-out Report** – print out reports on the stock-out products.
* **Low Stock Report** – the system is capable of tracking what items are below on its inventory and need to be purchased or acquire.
* **Service Report –** this is an input type of report coming from the technical department for defective parts of installed printers. This still includes sales especially for specific spare parts.
* **Sales Report –**prints out monthly reports for sold and delivered printers, consumables and spare parts with its corresponding quantities and amount.

**Scope and Limitations**

**Scope**

This program will be used for the proper monitoring of incoming and outgoing stocks. Some of the key features of the system are the following: The system enables Elixir Industrial Equipment Inc. to have real time statistics of printers, ink and solvent inventory and produce end of day reports. It also allows the user to view real time inventory, update information, add, edit and remove to/from the inventory. Added to this feature is the monitoring of delivered and installed printers to clients specifically on claiming warranties of defective parts and to generate sales for defective parts (*required for replacement*) that are no longer covered by warranty.

**Limitations**

Due to technical nature of the software in this system, only designated stock personnel has the access for the movement of printers and consumables. The Administrator account is only allowed to add username and password for the users of the system. The program should only run to limited number of computers (product *specialist and sales assistant, manager, technical head*) and therefore cannot be viewed and accessed by other unauthorized personnel through networking.

**Information Flow**

**INPUT**

**OUTPUT**

**PROCESS**

* Proceduresfor accounting of products
* Strength and weakness of current system
* Appropriate measures for weakness and threats
* Implementation of Security measures
* Interview
* Information and Data from Elixir
* Project Planning
* Analysis
* Design

**COMPUTER ASSISTED CREDIT SALES MONITORING WITH STOCKPILE ITEMIZATION**

**SYSTEM**

Technical Head

Product Specialist

Computer Assisted Credit Sales with Stockpile Itemization System

Manager

Assistant Sales

Request reports

Send reportsupdate stocks

Inputdata

Generates sales

input service report

gives list of defective

products

input data

update productinfo

monitor service report

generates sales

**Note**: Manager- Admin

Users- Assistant Sales, Product Specialist, Technical Head

**DATABASE DESIGN**

**tbl\_user**

**user\_id**

username

password

Firstname,

Lastname

Contact

Email

**tbl\_Products**

p\_id (pk)

product\_number

product\_name

quantity

unit\_price

category\_id (fk)

product\_status

product\_added

**tbl\_Clients**

client\_id(pk)

client\_name

address

telephone\_number

fax\_number

email\_address

taxable

**tbl\_Categories**

category\_id(pk)

category\_name

Description

**tbl\_Transaction**

transaction\_id(pk)

product\_id(fk)

po\_number

client\_id

date\_ordered

quantity\_purchased

item\_cost\_price

item\_unit\_price

payment\_terms

**tbl\_Service\_Report**

service\_report\_number(pk)

product\_id

client\_id

recommendation

service\_date

**tbl\_stockin**

p\_id (pk)

product\_number

product\_name

quantity

unit\_price

category\_id