

Project Overview

Project: Equipment Tracking System

Industry: Manufacturing

Customer Profile

The customer is into developing, manufacturing and market products for the construction, building maintenance and mining industries. The customer has offices in more than 120 countries around the world.

Requirement:

The client's current system for allocating the Demo Equipment tool to Sales People was not conducive. Due to which the client was struggling with the tracking of the Demo Equipment tool, as there was no organized system or application which would have helped them to provide an instant access to the information with regards to the details and status of the equipment which have been allocated to sales people. Therefore, client was seeking for a solution which could help them to keep a track of all their construction equipments, which are assigned to sales people for demo purpose. Moreover, equipments are of various types which are required to be captured in the customized application.

Solution:

Adapt Utilized Microsoft SharePoint Silverlight Technology to build the customized solution for streamlining the Process of allocating the demo tools to sales people. This involves two processes; one, for issuing new tool to sales person and other, for the movement of tool from one sales person to another.

Issuing New Tool Process: The process consists of following steps:

1. Sales person will first fill the Requisition form and will submit to his Manager.

2. Manager will take an approval from the concerned authority and then forward the same to Finance Department which will be responsible for issuing the new tool to the sales person.
3. Finance personnel will also be responsible for capturing the tool issuing details in the tracking system such as Asset Number, Tool Type, Description, Serial No., Issued To, Date of Issue and Expected Date of Return etc.
4. Once all the data is captured in the system, an automated email will be sent to the issuer of the tool via email.

Future Allocation of the Tool

The transfer of the tools takes place in two ways. One, by returning the tool back to office and it is re-issued to another user. Second, when sales person directly hands over to other sales person. The system keeps a track on the types of transfer and its details are recorded in the system. Important information is captured in the system with regards to the issuance of the tool to new user such as Date of Request, Date of issued, Expected Date of Return, Actual Return date etc.

A provision has also been made in the application to capture different types of tools and each tool has its dependent columns or fields.

Import Functionality: A provision has been made in the system to upload the details of the existing demo tools to the application through excel.

Reports: Various Reports have been built which helps the client to track the movement of the tools, Consolidated Stock In Hand Report etc.

Technology Used:

The solution has been completely customized by using SharePoint Silverlight 4.0 and C sharp.

Process:



Tool Form

Fields marked as * are mandatory

Tools Type:

Asset No:

Date of Capitalization:

Material:

Serial No:

Allocation Date:

Issued To:

Plant:

Quantity: Cost:

Manufacture Date: Expire Date:

Status:

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Tool List

Tools List

Tool Serial No:

Asset No	Capitalization	Material	Serial No	Allocation	Issues To	Current f
111	04-22-2013	2034358	111	05-02-2013	8001	
1111	04-24-2013	2034358	1111	04-30-2013	8001	
999	04/17/2013	2034358	222	05/09/2013	32909	
112	05-05-2013	2034358	112	05-08-2013		003

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Tool Tracking Report

- Plant List
- User List
- Material List
- Tool Types
- Scrap Reasons
- Tools List
- Tools Assignment
- Reports
 - Tracking Report
 - Stock Status
 - Stock Status Summary
 - Scraped/Sold Items

Tracking Report

Material Code:

Serial No:


Plant Code:

From:

To:

Date	Tools Type	Material Code	Serial No	Allocation Stat	From Code	From Name	To Code
05-02-2013	TS	2034358	111	Assigned to User			E001
04-30-2013	TS	2034358	1111	Assigned to User			E001
05/09/2013	TS	2034358	222	Assigned to User	32909	Gundeep Singh	32909
05-08-2013	HSC	2034358	112	Assigned to User			32222

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