

# Secured Vendor Access & Call Log Management System in Organizations

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**Abstract** - *The Ability to maintain the vendor activities and material inventory to provide maximum visibility and control over the usage, entitlements of the IT assets. This Application is specifically designed to track the vendor activities and maintain Security level of IT environment.*

*The problems that derive from the current approaches for maintain the access information's are maintained in an excel sheet and hand written Registers.*

*Organization Data security is very tedious and important part of IT system and its lifecycle control system. Because of this the reason data security is always consider while designing security systems for an organization. Modern approaches are to maintain the track of call logs and records of employee access, Identity management systems and Access Management Systems are used. Identity management system help to provide a super-set of employee provisioning systems that provide easy management of employee credentials and their identity information to admin(s) and others those who need that information that is higher officials at management levels.*

*To reduce the complexity, we introduce the different levels of access like normal user and admin, thus increase the confidentiality and security from the unauthorized access.*

**Key Words:** vendor, Security, Identity, Access and confidentiality.

## 1. INTRODUCTION

This document prescribes the technical implementation of Secured Vendor Access & Call Log Management System. To be used efficiently, all computer software needs certain hardware components or other software resources to be present on a computer. This application that provides maximum visibility and control over the inventory, usage, entitlements of the IT assets is specifically designed to track the hardware details of assets with added features of the Vendor site visit and activities tracking.

### 1.1 Existing System

The problems that derive from the current approaches for maintain the access information's can be summarized below

- Currently all the information's are maintained in an excel sheet and hand written Registers.

- Data stored on share folder available on storage drive, will be accessible by all Engineers who has access.
- Two different files are maintained for access or activities performed.
  1. Vendor Access Master Inventory File
  2. Activity Details File
- Reports are prepared manually; automation would help in saving time & energy of the Engineer.

## 1.2 Proposed System

Secured Vendor Access & Call Log Management System is an application that provides maximum visibility and control over the inventory, usage, entitlements of the IT assets. This Application is specifically designed to track the hardware details of assets with added features of the Vendor site visit and activities tracking.

Secured Vendor Access & Call Log Management System comprises of following core modules:

1. Call log module and
2. Vendor access and activities tracker

## 2. TECHNICAL DESIGN SPECIFICATION

This application has mainly two levels of security implementation those are user level and admin level.

### 2.1 Login Page

It can be used by users/admin for login and raising service request for server related issues. Vendors will be using it for getting access and storing activity related information.

There are two access levels are

1. Admin and
2. User

### 2.2 Admin Page

This account allows Admin to manage all the information about the access details and active requests raised by users. All the information will be recorded and tracked.

### 2.3 User Page

Engineers who visit will validate their entry permit via this page and user who is validating the details will alert admin regarding the engineer presence at site. This page will have limited access of information

### 2.4 Technical Implementation

**DFD Diagram:** This describes the functional data flow of the Secured Vendor Access & Call Log Management System

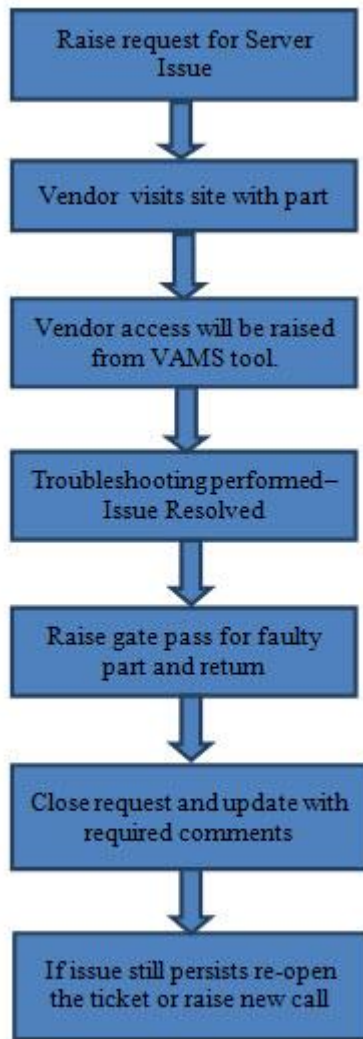


Fig -1: Data Flow Diagram (DFD) of Application

### 3. CONCLUSIONS

This paper is done to offer the asset and access management tool to the client for the effective management by admin. This provides more information to higher management in terms of procurement and vendor audits. The main purpose is to effectively manage & maintain the asset data and the information. This documents helps to understand how the WT-Vendor

Access Management Tool effective in the production and audit environment.

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