**7. Smart Inventory Management System**

**Abstract:**

The main objective of this system is to provide a common interface among the clients of automobile spare parts manufacturing company and the manufacturing company in an easy and effective way.

**Existing System:**

In present days there is no common interface between the vendors and the clients of an automobile manufacture company. These companies are going to maintain the information in papers, books and ledgers individually. There is no proper updating mechanism and security for the data.

**Proposed System:**

Proposed system is an automated computer based web application. In this application all the vendors and clients of a company are communicating among themselves through server. It is using a centralized database for the information storage. And it’s providing a common interface also.

**Modules:**

1. Administrator Module.
2. Area/Production Manager Module.
3. Report Analyzer Module.
4. Vendor Module.

**Administrator Module:**

* Admin is having the privileges to add, update, and delete the vendors.
* He can release the tenders.
* He can give the permissions to the vendors to quote for a particular tender.
* He can receive the tenders quoted by the vendors.
* He can delete the unnecessary vendors also.
* He can retrieve all kinds of information.

**Area/Production Manager Module:**

* He is going to deal with the production management like add the manufactured products, deliverable products, and products to be manufactured.
* He can access the payments management which is made by the clients for the deliverable items.
* He can generate the bills based on different criteria.

**Report Analyzer Module:**

* In this the admin and other users of this system are going to generate some information and they can download this information to an XL-sheet or Document or PDF file.

**Vendor Module:**

* He able to register in this system.
* Create, update and delete the managers.
* He able quotes for a particular tender.
* He able view the payments and able to deliver the items.