**9. Smarter Space Management System**

**Abstract:**

The main objective of this system is to provide a mediation interface among the factories, suppliers and the mediators who will carry the stock and store in their own GODOWNs and forward them to the suppliers when required.

**Profile:**

Some of the factories will maintain their product in their own GODOWNs until those will be delivered to the suppliers. Whenever the supplier needs the stock then the factories will forward the requested stock to the suppliers.

**Existing System:**

In existing system the factories has to maintain lot of GODOWNs for storing the stock. For that they need to invest a lot on that. These are unnecessary investments and they should do more work for that. It will require mediation between the factory to the supplier for saving time and space.

**Proposed System:**

In proposed system there is a mediatory GODOWNs management companies. They will carry the stock from the factories and forward the stock to the suppliers. They can check the availability of the required space in online and send the stock. It’s an online application which automates all the operations and maintains a centralized database.

**Modules:**

1. Administrator Module.

2. GODOWN Manager Module.

3. Vendor/Supplier Module.

4. Accountant Module.

5. Inventory Manager Module.

**Administrator Module:**

* He is the owner of the GODOWNs maintaining organization.
* He able to create, update and delete the GODOWNs.
* He able to create, update and delete the GODOWN managers, inventory managers and accountants.
* He able to assign the managers to particular GODOWNs.
* He able to generate the reports based on different criteria and export to XL sheet.

**GODOWN Manager Module:**

* He will give the access to the vendors as well as suppliers.
* Get the stock/goods from the vendors.
* Maintain the inwards information.
* Get the request from the supplier and respond to that request.
* Generate the reports based on inwards information and export to XL sheet.

**Inventory Manager Module:**

* Able to access the GODOWN details like space availability.
* Get the request from the vendor and respond to that request.
* Maintain the GODOWN information like space, stock, etc…

**Accountant Module:**

* Will access the inwards as well as outwards information.
* Generate the bills for the inwards stock and outwards stock.
* Maintain the payments information.

**Vendor/Supplier Module:**

* Both Vendors as well as Suppliers are able to register in this application.
* Vendor can check the space availability.
* Vendor can give the request for available space.
* Supplier can check whether the stock which he ordered is available or not
* Supplier can give request for the required stock/goods.
* Vendor as well as Supplier can make payments for the usage of the particular GODOWNs.
* Both can generate reports like the manufactured goods, delivered stock and export to XL sheet.