**IMPLEMENTATION:**

**MODULES:**

* **Sellers**
* **Buyers**
* **Admins**
* **Blockchain**

**MODULES DESCRIPTION:**

**Sellers:**

The Seller User can register the first. While registering he required a valid user email and mobile for further communications. Once the user register then admin can activate the Sellers. Once admin activated the Seller then he/She can login into our system. The seller can add a new item, update the existing items, allot and update the price of the item. It will increase the market reach and will also eliminate the middleman.

**Buyers:**

The Seller User can register the first. While registering he required a valid user email and mobile for further communications. Once the user register then admin can activate the Sellers. Once admin activated the Seller then he/She can login into our system. The buyer can buy a product and can search for any product according to the requirement. They can add the product in cart and delete crop from the cart. After finalizing the product to buy and verifying the cart user can check out.

**Admin:**

Admin can login with his credentials. Once he login he can activate the sellers and buyers. The activated user only login in our applications. The admin user can view the all transaction which is done by buyer user. In the admin frame can view all block chain transaction with its previous block details and hash values.

**Blockchain:**

Every activity related to introducing a new item and purchasing an item is considered as a transaction and is added to the blockchain accordingly with the correct unique digital signature and timestamp so that any user cannot deny the activity done by them. All these transactions are visible to everyone in the network. The blockchain is a peer to peer transaction based on distributed node systems by means of data encryption, time stamping and consensus. It makes the portal more secure at the data as it is immutable, transparent and accessible to all.