

Project Design Phase-I

Solution Architecture

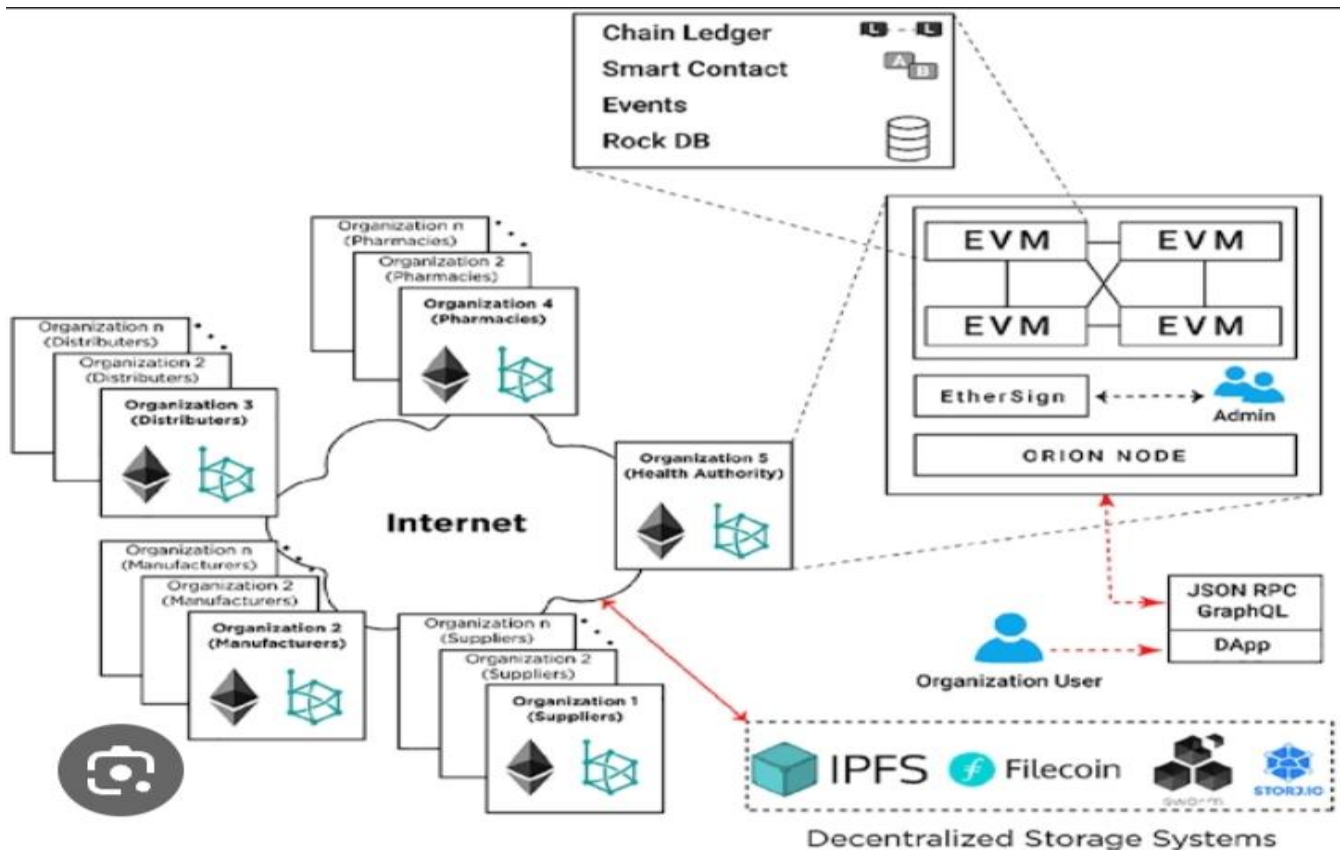
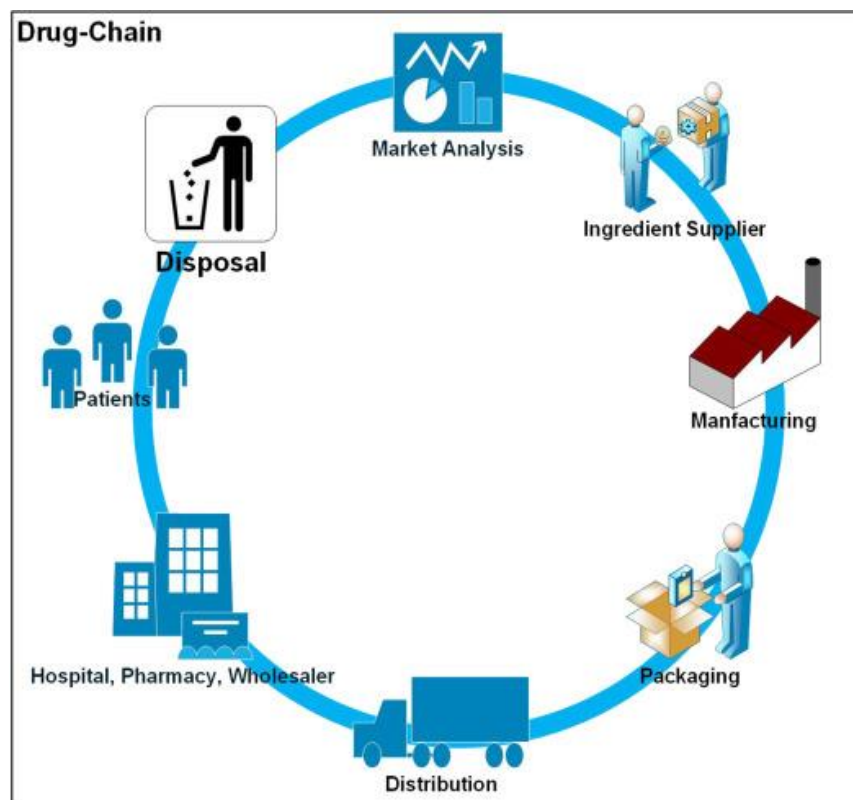
Date	24 NOV 2022
Team ID	NM2023TMID11932
Project Name	Drug traceability
Maximum Marks	4 Marks

Solution Architecture:

A solution architecture is an architectural description of a specific solution. Solution Architecture combine guidance from different enterprise architecture viewpoints (business, information and technical), as well as from the enterprise solution architecture. Its goals are to:

- Using blockchain for drug traceability can enhance transparency and security in the pharmaceutical supply chain.
- By recording each transaction on the blockchain, you create an immutable and transparent ledger, enabling stakeholders to trace the journey of drugs from production to distribution.
- This can help prevent counterfeit drugs, ensure compliance with regulations, and enhance overall safety and accountability in the pharmaceutical industry.

Example - Solution Architecture Diagram



Prerequisite

- 1 download node.js : [Node.js](#)
- 2 download vs code: [Li4nk](#)
- 3 download metamask : <https://metamask.io/>

Steps to complete the project

Step 1:-

1. Open the truffle project and download the truffle file.Extract all truffle files

Step 2 :

- 1.Open vs code in the left top select open folder. Select extracted file and open .
2. Select the projectname.sol file and copy the code.
3. Open the remix ide platform and create a new file by giving the name of projectname.sol and paste the code which you copied from vs code.
4. Click on solidity compiler and click compile the projectname.sol
5. Deploy the smart contract by clicking on the deploy and run transaction.
6. select injected provider - MetaMask. In environment
7. Click on deploy. Automatically MetaMask will open and give confirmation. You will get a pop up click on ok.
8. In the Deployed contract you can see one address copy the address.
9. Open vs code and search for the connector.js. In contract.js you can paste the address at the bottom of the code. In export const address.
10. Save the code.

Step 3:

open file explorer

1. Open the extracted file and click on the folder.
2. Open src, and search for utiles.
- 3 . You can see the frontend files. Select all the things at the top in the search bar by clicking alt+ A. Search for cmd

4. Open cmd enter commands

```
npm install
```

```
npm start
```

5. It will install all the packages and after completing it will open {LOCALHOST IP ADDRESS} copy the address and open it to chrome so you can see the frontend of your project.

