

## Project Design Phase-I

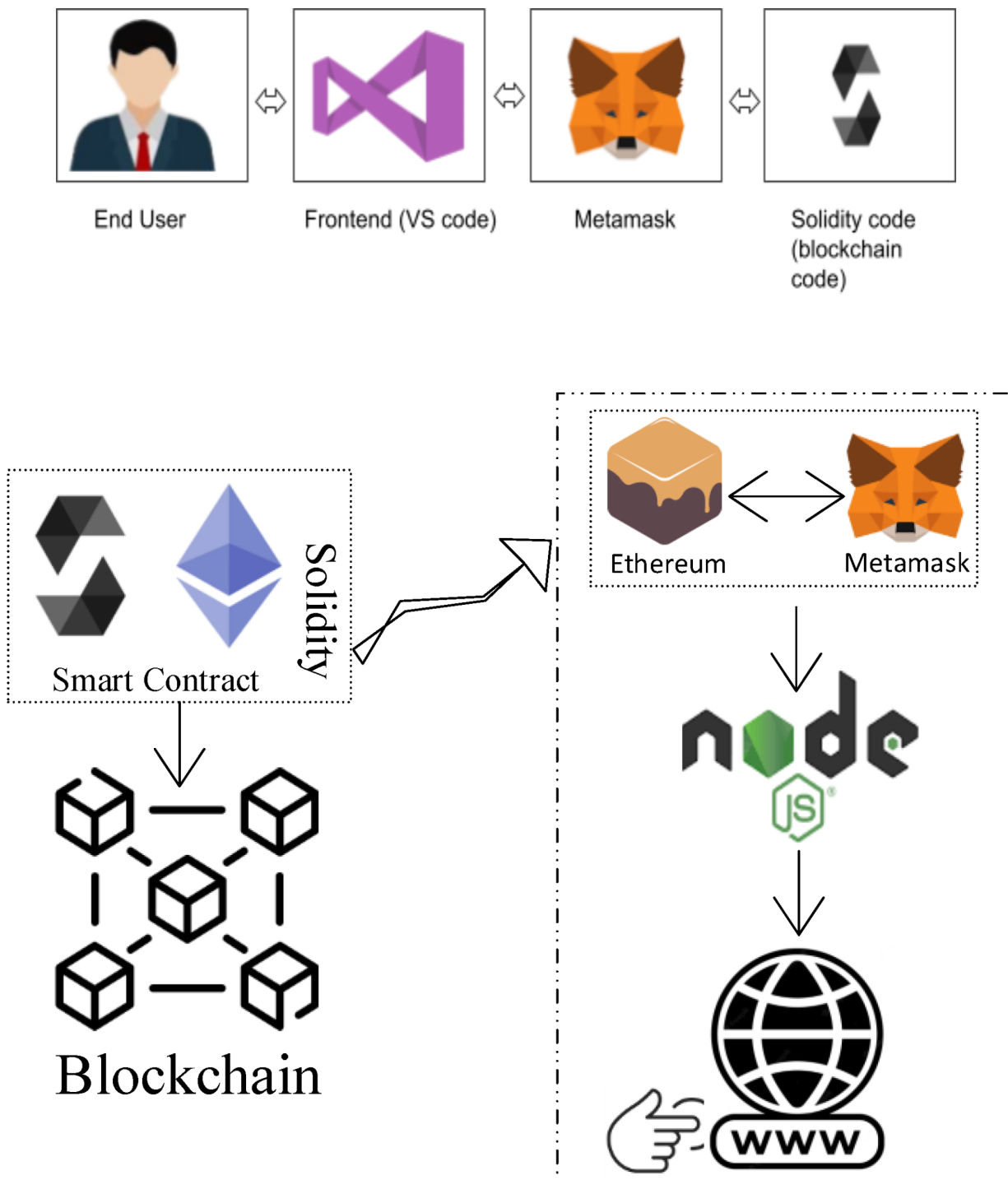
### Solution Architecture

Date	27 october 2023
Team ID	NM2023TMID01863
Project Name	Project - e l e c t r o n i c   h e a l t h   R e c o r d s
Maximum Marks	4 Marks

#### Solution Architecture:

This paper presents a blockchain-based architecture for our current electronic health record (EHR) systems. Being built on top of existing databases maintained by health providers, the architecture implements a blockchain solution to ensure the integrity of data records and improve interoperability of the systems through tracking all events that happen to the data in the databases. In this proposed architecture, we also introduce a new incentive mechanism for the creation of new blocks on the blockchain. The architecture is independent of any specific blockchain platforms and open to further extensions; hence, it potentially fits in with other electronic record systems that require protection against data misuse.

### 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 Zip file and download the zip file.

Extract all zip 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 bootstrap`

`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.

