**Project Design Phase-I**

**Solution Architecture**

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| Date | 30 October 2023 |
| Team ID | NM2023TMID03755 |
| Project Name | Ethereum Decentralised Identity Smart Contract |
| Maximum Marks | 4 Marks |

**Solution Architecture:**

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

* Find the best tech solution to solve existing business problems.
* Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
* Define features, development phases, and solution requirements.
* Provide specifications according to which the solution is defined, managed, and delivered.

**Example - Solution Architecture Diagram:**

**Prerequisite**

* download node.js : [Node.js](https://nodejs.org/en)
* download vs code: [**Li4nk**](https://code.visualstudio.com/download)
* download metamask : [https://me HYPERLINK "https://metamask.io/"tamask.io/](https://metamask.io/)

**Steps to complete the project**

**Step 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 .

* Select the projectname.sol file and copy the code.
* 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.
* Click on solidity compiler and click compile the projectname.sol
* Deploy the smart contract by clicking on the deploy and run transaction.
* select injected provider - MetaMask. In environment
* Click on deploy. Automatically MetaMask will open and give confirmation. You will get a pop up click on ok.
* In the Deployed contract you can see one address copy the address.
* 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.
* Save the code.

**Step 3:**

open file explorer

* Open the extracted file and click on the folder.
* 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

* Open cmd enter commands

npm install npm bootstrap npm start

* 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.