project Development Phase

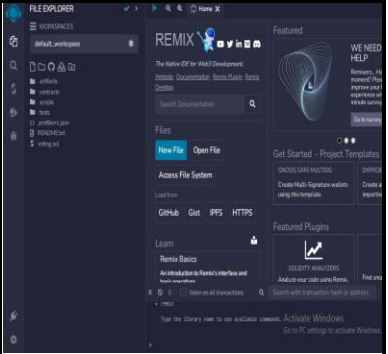# Model Performance Test

Date	10 November 2023
Team ID	NM2023TMID00996
Project Name	Electronic voting system

Model Performance Testing:

Project team shall fill the following information when working for blockchain.

S.No.	Parameter	Values	Screenshot
1.	Information gathering	Setup all the Prerequisite:	1. **Voter Registration:** Voters are verified and registered in the blockchain system with unique digital identities. 2. **Ballot Creation:** The election authority creates digital ballots and stores them on the blockchain. 3. **Voting Process:** Voters cast their votes using secure, encrypted digital keys, which are recorded on the blockchain. Each vote is anonymous but can be verified. 4. **Blockchain Security:** Blockchain's decentralized and immutable ledger ensures the integrity of the election data. Once a vote is recorded, it cannot be altered. 5. **Vote Counting:** Blockchain's transparency allows real-time vote counting, accessible to all stakeholders. This reduces the risk of fraud.

2.	Extract zip files	Open to vs code	```// SPDX-License-Identifier pragma solidity ^0.8.0;

contract VoteSystem{
    address public owner;

    constructor(){
        owner= msg.sender;
    }

    struct candidate {
        uint voterId;
        string name;
        uint age;
        uint voteCount;
    }
}``` |
| 3. | Remix Ide platform explorting | Deploy the smart contract code

Deploy and run the transaction. By selecting the environment - inject the MetaMask. | |
| 4 | Open file explorer | Open the extracted file and click on the folder.

Open src, and search for utiles.

Open cmd enter commands

1. npm install

2. npm bootstrap

3. npm start | ```Microsoft Windows [Version 6.3.
(c) 2013 Microsoft Corporation.

C:\Users\DSPLAB1>cd C:\Users\DS

C:\Users\DSPLAB1\Desktop\voting

> voting-app@0.1.0 start
> react-scripts start``` |
| 5 | {LOCALHOST IP ADDRESS} | copy the address and open it to chrome so you can see the front end of your project. | |