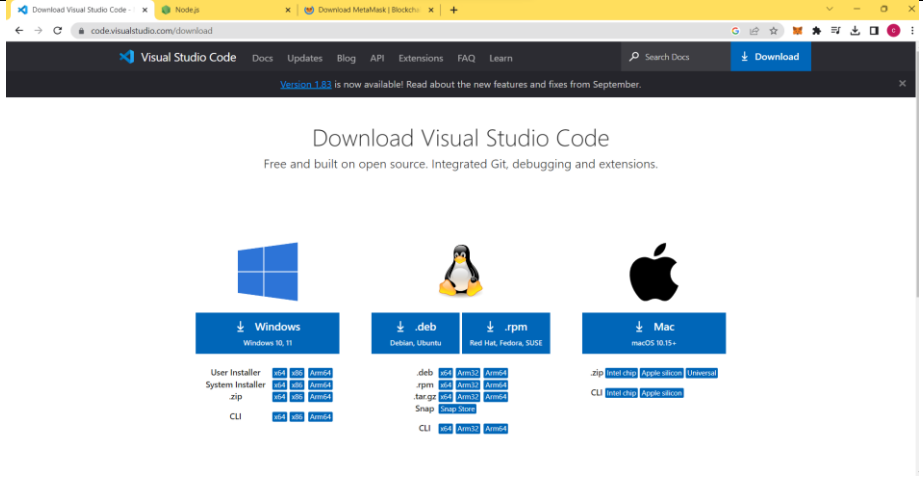


## project Development Phase Model Performance Test

Date	21 October 2023
Team ID	NM2023TMID03976
Project Name Project -	Electronic Voting System
Maximum Marks	10 Marks

### Model Performance Testing:

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

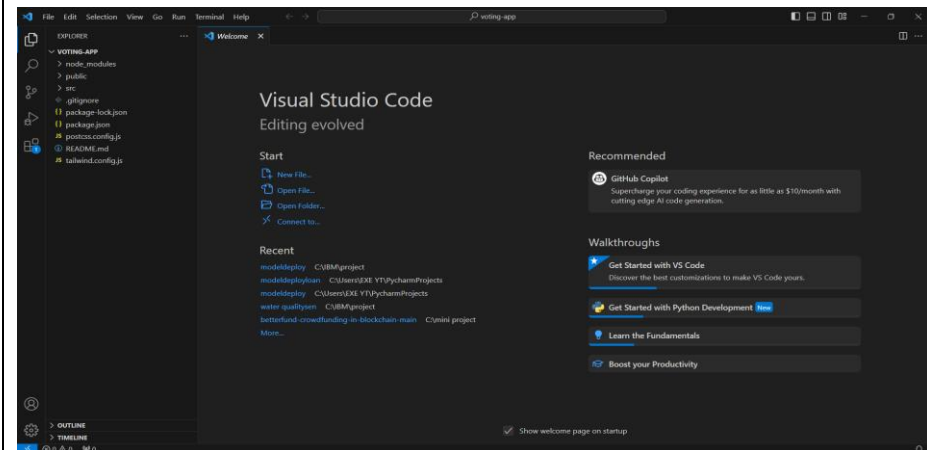
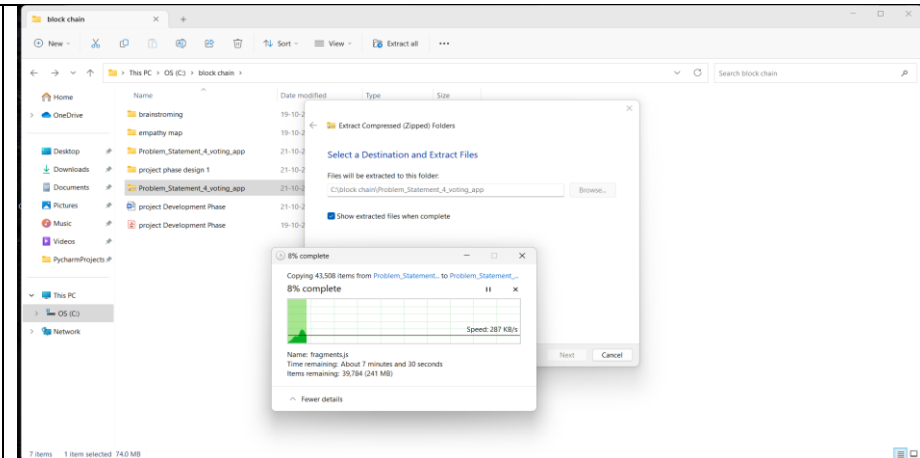
Sno	Parameter	Values	Screenshots
1	Information gathering	Setup all the Prerequisite:	

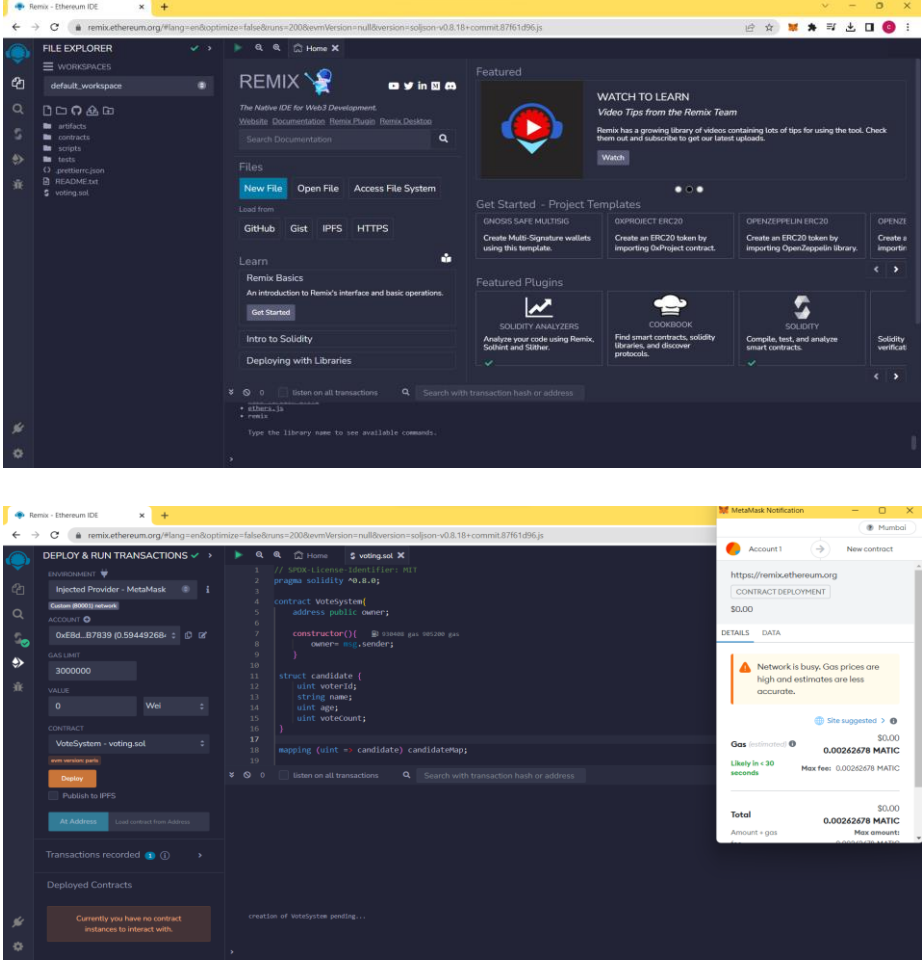
			<div data-bbox="1111 193 2020 652"><p>Download Visual Studio Code   Node.js   Download MetaMask   Blockchain</p><p>nodejs.org/en</p><p>HOME   ABOUT   DOWNLOADS   DOCS   GET INVOLVED   SECURITY   CERTIFICATION   NEWS</p><p>Node.js® is an open-source, cross-platform JavaScript runtime environment.</p><p>Download for Windows (x64)</p><p>18.18.2 LTS Recommended For Most Users</p><p>21.0.0 Current Latest Features</p><p><a href="#">Other Downloads</a>   <a href="#">Changelog</a>   <a href="#">API Docs</a>   <a href="#">Other Downloads</a>   <a href="#">Changelog</a>   <a href="#">API Docs</a></p><p>For information about supported releases, see the <a href="#">release schedule</a>.</p><p>Copyright OpenJS Foundation and Node.js contributors. All rights reserved. The OpenJS Foundation has registered trademarks and uses trademarks. For a list of trademarks of the OpenJS Foundation, please see our <a href="#">Trademark Policy</a> and <a href="#">Trademark List</a>. Trademarks and logos not indicated on the list of OpenJS Foundation trademarks are trademarks™ or registered® trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them.</p><p><a href="#">The OpenJS Foundation</a>   <a href="#">Terms of Use</a>   <a href="#">Privacy Policy</a>   <a href="#">Bylaws</a>   <a href="#">Code of Conduct</a>   <a href="#">Trademark Policy</a>   <a href="#">Trademark List</a>   <a href="#">Cookie Policy</a></p></div> <div data-bbox="1111 687 2020 1163"><p>Download Visual Studio Code   Node.js   Download MetaMask   Blockchain</p><p>metamask.io/download/</p><p>Discover MetaMask Portfolio today. Track and manage your web3 assets in one place! →</p><p>METAMASK</p><p>Features   Build   Resources   Learn</p><p>Chrome   iOS   Android</p><p>Install MetaMask for your browser</p><p>0.1655 ETH \$1024.000</p><p>Install MetaMask for Chrome</p><p>Supported Browsers</p><p>Chrome   Firefox   Brave   Edge   Opera</p></div>
--	--	--	--

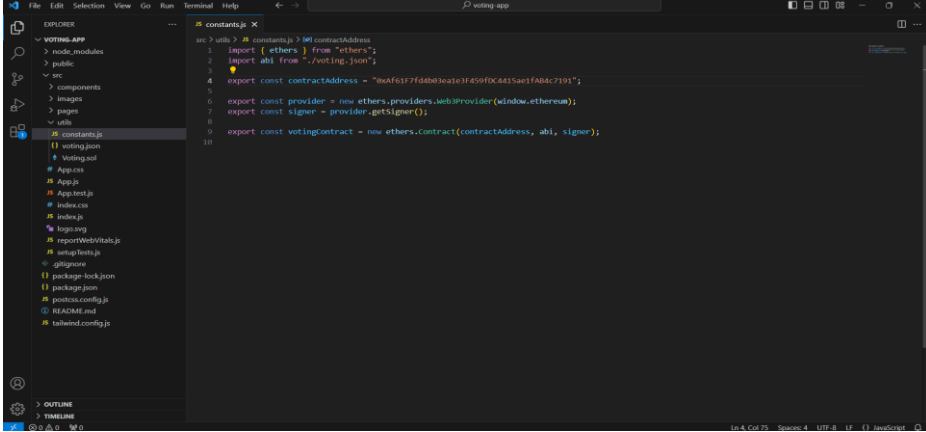
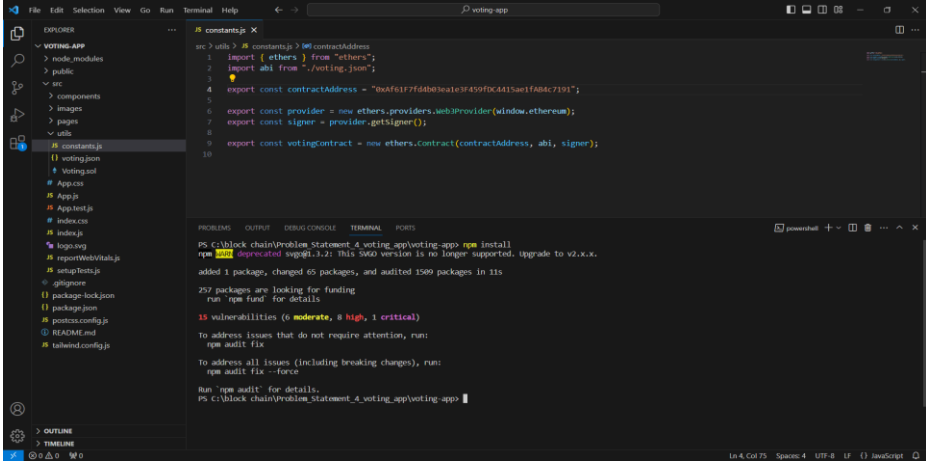
2

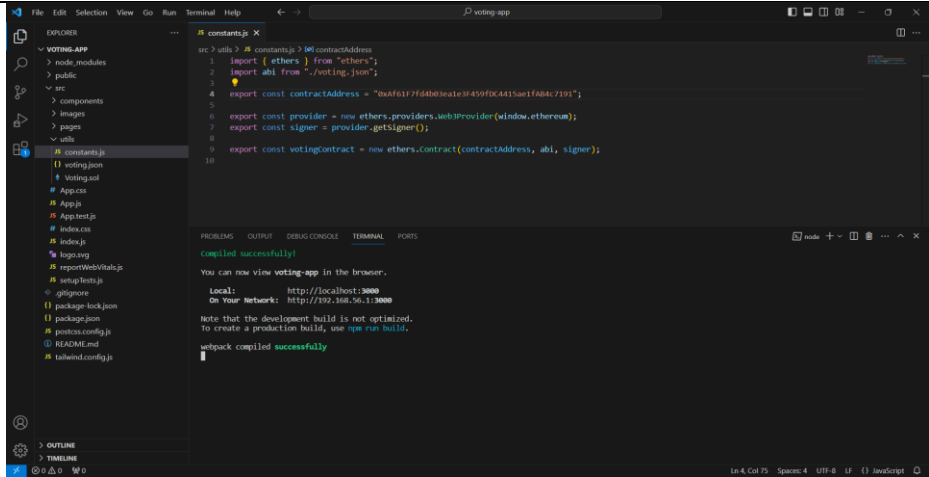
Extract the zip files

Open to vs code



3	Remix Ide platform exploring	<p>Deploy the smart contract code</p> <p>Deploy and run the transaction. By selecting the environment – inject the Meta Mask.</p>	 <p>The top screenshot displays the Remix IDE interface. The left sidebar shows the 'FILE EXPLORER' with a 'default_workspace' containing files like 'artifacts', 'contracts', 'scripts', 'tests', 'environment', 'README.txt', and 'voting.sol'. The main area shows the 'REMIX' dashboard with sections for 'Files', 'Learn', and 'Featured'. The 'Files' section has buttons for 'New File', 'Open File', and 'Access File System'. The 'Learn' section includes 'Remix Basics', 'Intro to Solidity', and 'Deploying with Libraries'. The 'Featured' section lists various plugins like 'Gnosis Safe Multisig', 'OpenZeppelin ERC20', 'Solidity Analyzer', 'Cookbook', and 'Solidity'. The bottom screenshot shows the 'DEPLOY &amp; RUN TRANSACTIONS' panel. The 'ENVIRONMENT' dropdown is set to 'Injected Provider - MetaMask'. The 'ACCOUNT' dropdown shows '0xEbD...B7839'. The 'GAS LIMIT' is set to '3000000'. The 'VALUE' is set to '0'. The 'CONTRACT' dropdown shows 'VoteSystem - voting.sol'. The 'Deploy' button is highlighted. The 'TRANSACTIONS' section shows a pending transaction: 'creation of whotysytem pending...'. The 'MetaMask Notification' window is open, showing a 'New contract' transaction for 'https://remix.ethereum.org' with a value of '\$0.00' and a gas fee of '0.00262678 MATIC'.</p>
---	------------------------------	---	---

4	<p>Open file explorer</p>	<p>Open the extracted file and click on the folder.</p> <p>Open src, and search for utilities.</p> <p>Open cmd enter commands</p> <ol style="list-style-type: none"><li>1.npm install</li><li>2.npm bootstrap</li><li>3. npm start</li></ol>	 <pre>src &gt; utils &gt; constants.js &gt; @ contractAddress 1 import { ethers } from "ethers"; 2 import abi from "../voting.json"; 3 4 export const contractAddress = "0xAf617Fdd8b0e403F459fCA415a61F8dC7191"; 5 6 export const provider = new ethers.providers.Web3Provider(window.ethereum); 7 export const signer = provider.getSigner(); 8 9 export const votingContract = new ethers.Contract(contractAddress, abi, signer); 10</pre>  <pre>PS C:\block_chain\problem_statement_4_voting_app&gt; npm install npm WARN deprecated npmlog@2.1.1: This version is no longer supported. Upgrade to v2.x.x. added 1 package, changed 65 packages, and audited 1599 packages in 11s 257 packages are looking for funding   run `npm fund` for details 15 vulnerabilities (0 moderate, 8 high, 1 critical) To address issues that do not require attention, run:   npm audit fix To address all issues (including breaking changes), run:   npm audit fix --force Run `npm audit` for details. PS C:\block_chain\problem_statement_4_voting_app&gt; npm start</pre>
---	---------------------------	--	---

			
5	{LOCALHOST IP ADDRESS}	Copy the address and open it to chrome so you can see the front end of your project.	<p>Local: <a href="http://localhost:3000">http://localhost:3000</a>  On Your Network: <a href="http://192.168.56.1:3000">http://192.168.56.1:3000</a></p> 