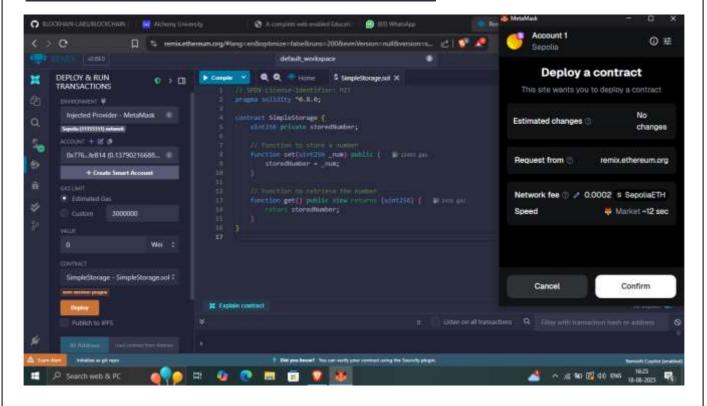
Contractor	School: Campus:					
	Academic Year: Subject Name: Subject Code:					
University	Semester: Program: Branch: Specialization:					
	Date:					
	Applied and Action Learning (Learning by Doing and Discovery)					
lame of the	e Experiement : Web3 Connect – Contract Calls via Frontend					
Coding	Phase: Pseudo Code / Flow Chart / Algorithm					
□ Open R	temix IDE and create the SimpleStorage.sol smart contract.					
□ Compile	e the smart contract using the Solidity compiler .					
☐ Copy the ABI generated after successful compilation.						
☐ Deploy the contract on the Sepolia Testnet using MetaMask (Injected Provider).						
☐ Copy and save the deployed contract address .						
☐ Create a	a new React frontend project using create-react-app.					
□ Configu	are the .env file with the contract address and network details.					
☐ Install r	necessary packages:					
	s.js (for blockchain interaction) 8.js (if required for compatibility)					
☐ Import	ABI and contract address to connect the frontend with the smart contract.					
□ Design	the UI in App.js to allow storing and retrieving data through wallet connection.					

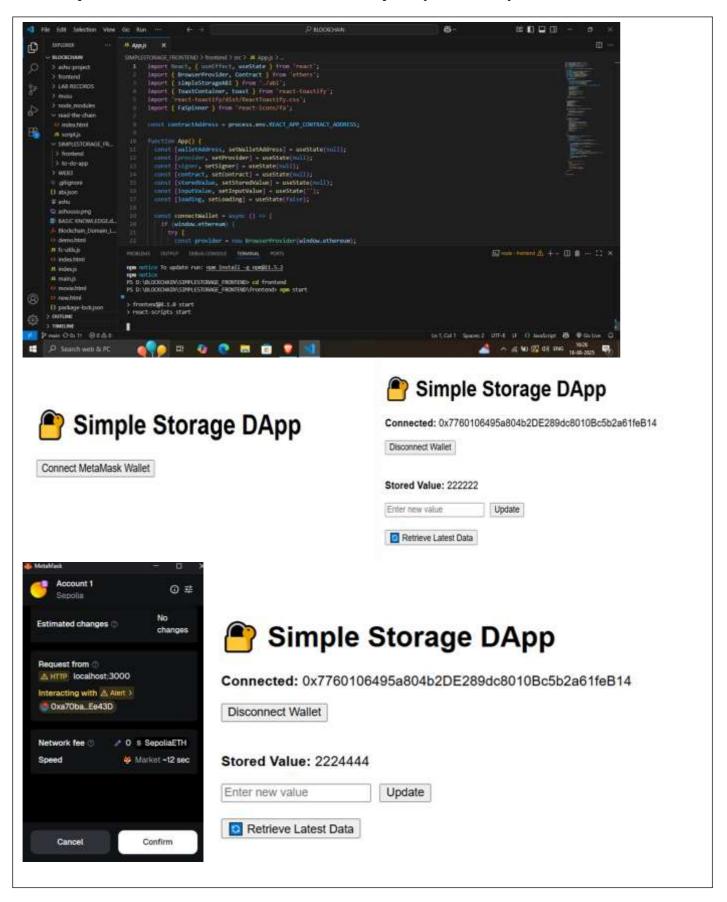
- 1. MetaMask Wallet
- 2. Remix IDE.
- 3. MS Word.
- 4. Brave for researching.

* Implementation Phase: Final Output (no error)

- 1. Firstly go to remix ide and write a smart contract on simplestorage.sol and compile it.
- 2. After compilation ABI will generated.
- 3. Then go to deploy and run transactions section and choose environment as injected provider-metamask, then simply deploy it.
- 4. Now we have to work on frontend first create a folder for your frontend then open terminal to install the react modules. Then create a ABI.js file inside your src folder where we have to store the abi of our smart contract and then create a .env file in the root of the project folder to dtore contract address and tectnet network.
- 5. Now in app. js write the frontend code and wallet connection code also.
- 6. Now simply move forward terminal of V.S Code just run the project with command npm start.



* Implementation Phase: Final Output (no error)



* Observations:

☐ The smart contract was successfully deployed on the Sepolia Testnet.				
☐ The frontend connected with the contract using ethers.js.				
☐ Users were able to store and retrieve values through the UI.				
□ ethers.js provided a simpler and more secure interface compared to web3.js.				
\Box The project demonstrated the complete flow of smart contract deployment, frontend integration, and blockchain interaction.				

ASSESSMENT

Rubrics	Full Mark	Marks Obtained	Remarks
Concept	10		
Planning and Execution/	10		
Practical Simulation/ Programming			
Result and Interpretation	10		
Record of Applied and Action Learning	10		
Viva	10		
Total	50		

Name:

Signature of the Faculty: Regn. No. :