School: .... Campus: ....

Academic Year: .... Subject Name: .... Subject Code: ....

Semester: .... Program: .... Branch: .... Specialization: ....

Date: ....

Applied and Action Learning
(Learning by Doing and Discovery)

Name of the Experiement :

* Coding Phase: Pseudo Code / Flow Chart / Algorithm

ALGORITHM:

Wallet Setup and Transaction on Sepolia Testnet

1. *Start*
2. *Install and set up the MetaMask wallet extension in the browser.*
3. *Create a new wallet or import an existing one using a seed phrase.*
4. *Switch the MetaMask network to Sepolia Testnet.*
5. *Copy the wallet's public address from MetaMask.*
6. *Search for a Sepolia Ethereum Faucet using the browser.*
7. *Paste the copied wallet address into the faucet input field.*
8. *Request test Sepolia ETH from the faucet.*
9. *Wait until the test ETH is received in the MetaMask wallet.*
10. *Click on Send in MetaMask.*
11. *Enter the recipient's wallet address and the amount of ETH to transfer.*
12. *Confirm the transaction and authorize it in MetaMask.*
13. *Open Sepolia Etherscan and verify the transaction status using the transaction hash or wallet address.*
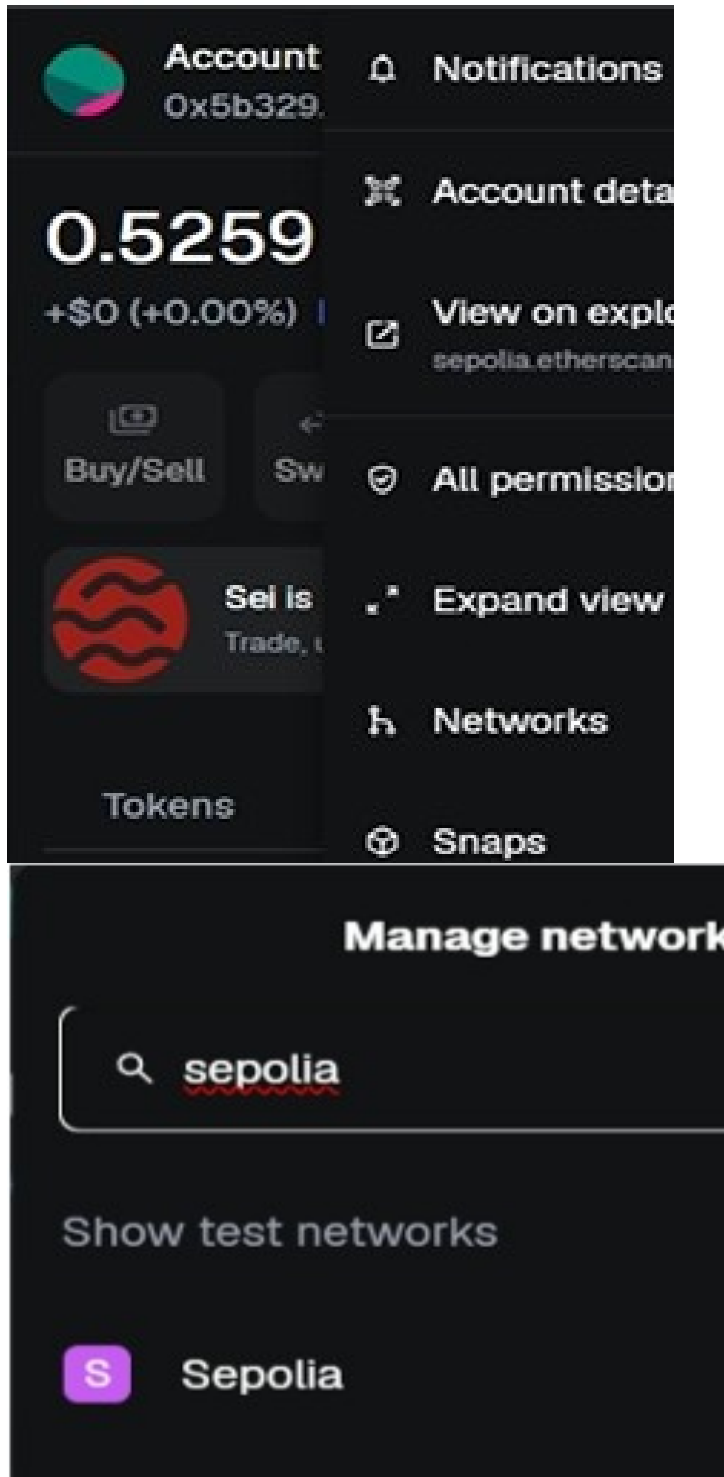
14. *End*

Coding Phase: Pseudo Code / Flow Chart / Algorithm

* Softwares used

1.Metamask wallet
2.Ethereum Sepolia Faucet
 3.Brave browser
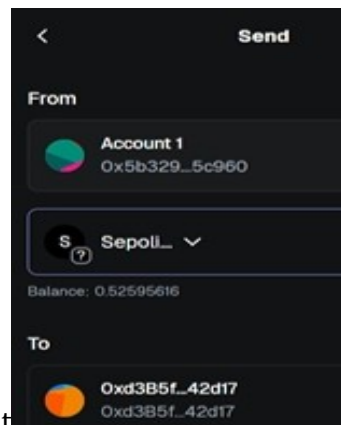
* **Implementation Phase: Final Output (no error)**

First setup your metamask wallet in the browser and then switch the network to sepolia testnet

* **Implementation Phase: Final Output (no error)**

Now in your metamask wallet go to send and paste someone else's wallet address and confirm the transaction

* Observations

✦ MetaMask works only after network is switched to Sepolia.

✦ Test ETH is received for free from a faucet.

✦ Every transaction has a gas fee even on testnet.

✦ Transaction can be verified publicly using Etherscan.

✦ Testnet ETH has no real-world value.

ASSESMENT

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

Signature of the Student:

Name :

Signature of the Faculty:

Regn. No. :