



Centurion
UNIVERSITY

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 Experiment :

* **Coding Phase: Pseudo Code / Flow Chart / Algorithm**

ALGORITHM:

1. Install & set up MetaMask wallet in your browser.
2. Switch network to Sepolia Testnet in MetaMask.
3. Get free test ETH from a Sepolia faucet.
4. Check balance in MetaMask after receiving test ETH.
5. Send test ETH to another wallet address.
6. Confirm transaction on Sepolia Etherscan.

* **Softwares used**

1. MetaMask Wallet
2. Chrome web Browser
3. Sepolia Testnet Faucet
4. Sepolia Etherscan

* Implementation Phase: Final Output (no error)

Go to MetaMask wallet choose the testnet and select sepolia testnet

The screenshot shows the MetaMask wallet interface. On the left, there's a sidebar with "Ethereum Mainnet" and "Account 1". Below that, it displays "\$0.00 USD" and "+\$0 (+0.00%) Portfolio". At the bottom of the sidebar, there are buttons for "Buy/Sell", "Swap", "Bridge", "Send", and "Receive". A message box says "Solana is now supported! Create a Solana account to get started." On the right, a modal window titled "Show test networks" is open, listing four testnets: "Sepolia" (selected), "Linea Sepolia", "Mega Testnet", and "Monad Testnet". A button at the bottom of the modal says "+ Add a custom network".

Then go to sepolia faucet cloud to faucet som sepolia testnet

The screenshot shows the "Ethereum Sepolia Faucet" page. At the top, it says "Get your first drip of EigenCloud's \$EIGEN on the Hoodi testnet today!" and has a "Open faucet →" button. Below that, it says "Drip complete" and shows a green checkmark icon followed by the message "Testnet tokens sent! Check your wallet address.". It then displays the "Network" as "Ethereum Sepolia", the "Recipient" as "0xDAFe4DfDDA3E39e0580D206BcFB59b93cAECCb81", and the "Transaction hash" as "0x0521169f550425458bfb4bceef1475efd657ea221f2bc2178ba6fe1ec95b7a78f".

Now copy the wallet address and click on receive sepolia

This screenshot is identical to the one above, showing the "Ethereum Sepolia Faucet" page with the same transaction details: "Drip complete", "Testnet tokens sent!", "Network: Ethereum Sepolia", "Recipient: 0xDAFe4DfDDA3E39e0580D206BcFB59b93cAECCb81", and "Transaction hash: 0x0521169f550425458bfb4bceef1475efd657ea221f2bc2178ba6fe1ec95b7a78f".

* Implementation Phase: Final Output (no error)

Applied and Action Learning

Now click on send button and paste a another wallet address to send sepolia testnet

The figure consists of three screenshots of the MetaMask wallet interface. The first screenshot shows the 'Review' step of a transaction, with a large '10 AMT' amount highlighted. The second screenshot shows the transaction details on the Sepolia network, with a status of 'Confirmed'. The third screenshot is a 'Sent AMT' confirmation modal, which provides a detailed breakdown of the transaction: Status (Confirmed), From (0x0DAFe4...CCb8t), To (Account 1), Transaction (Nonce 43, Amount -10 AMT, Gas Limit (5 units) 45427, Gas Used (Units) 27477, Base fee (GWEI) 0.000000009, Priority fee (GWEI) 15, Total gas fee 0.0000041 SepoliaETH, Max fee per gas 0.000000002 SepoliaETH, Total 0.00004122 SepoliaETH), and an 'Activity log' section.

* Observations

1. SepoliaETH was successfully transferred from the sender's MetaMask wallet to the recipient's wallet address on the Sepolia Test Network.
2. MetaMask displayed transaction details including amount sent, recipient address, and gas fee before confirmation.
3. The transaction was verified on Sepolia Etherscan, showing status, block number, timestamp, and confirmation count.

ASSESSMENT

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 :

Regn. No. :

Page No.....

Signature of the Faculty:

*As applicable according to the experiment.
Two sheets per experiment (10-20) to be used.