



Centurion
UNIVERSITY
Shaping Lives... Empowering Communities...

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. Start.
2. Install MetaMask in your browser and complete the wallet setup.
3. Switch MetaMask's network to the Sepolia testnet.
4. Open a search engine and find an **Ethereum Sepolia faucet**.
5. Paste your wallet address into the faucet form and request Sepolia ETH.
6. The faucet will send testnet Sepolia ETH to your wallet.
7. In MetaMask click **Send**, enter another wallet's address, and specify the amount to transfer.
8. Review the transaction details (gas fee, recipient, amount) and **confirm** the transaction.
9. Wait for the transaction to be mined and verify the transfer by checking your wallet's balance or the transaction on a block explorer.

* **Softwares used**

1. Visual Studio Code – used for coding and project development.
 2. Microsoft Word – used for writing documentation and reports.
 3. Brave Browser – used for online research and information gathering.

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

* Implementation Phase: Final Output (no error)

- * First, install and configure your MetaMask wallet in the browser, then change the network to the Sepolia test network.

Next, look up “Google Cloud Sepolia Faucet” in your browser, enter your wallet address, and request Sepolia ETH.

Implementation Phase: Final Output (no error)

In MetaMask click Send, enter the other person's wallet address and the amount, review the gas fee and details, then approve the transaction.

The image consists of two vertically stacked screenshots from the MetaMask application.

Top Screenshot (Send Screen):

- From:** Account 1 (Address: 0x5b329...5c960)
- To:** Sepolia... (Address: 0xd3B5f...42d17)
- Balance:** 0.52595616 (with a 'Max' button)
- Buttons:** Cancel and Continue

Bottom Screenshot (Review Screen):

- From:** Account 1
- To:** Sepolia... (Address: 0xd3B5f...42d17)
- Network:** Sepolia
- Network fee:** 0 SepoliaETH
- Speed:** Market ~16 sec
- Buttons:** Cancel and Confirm
- Transaction Details (Visible on the right):**
 - Sepolia
 - Aug 17, 2025
 - Sent Confirmed
 - 0 SepoliaETH

* Observations

- A testnet wallet lets users safely practice handling cryptocurrency — including sending, receiving, and managing tokens — without using actual money.

Testnet transactions help illustrate how blockchain processes such as confirmations, balance updates, and wallet addresses function in a secure, simulation-based setting.

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. :

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Signature of the Faculty: