



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 : Wallet in testnet

Objective/Aim:

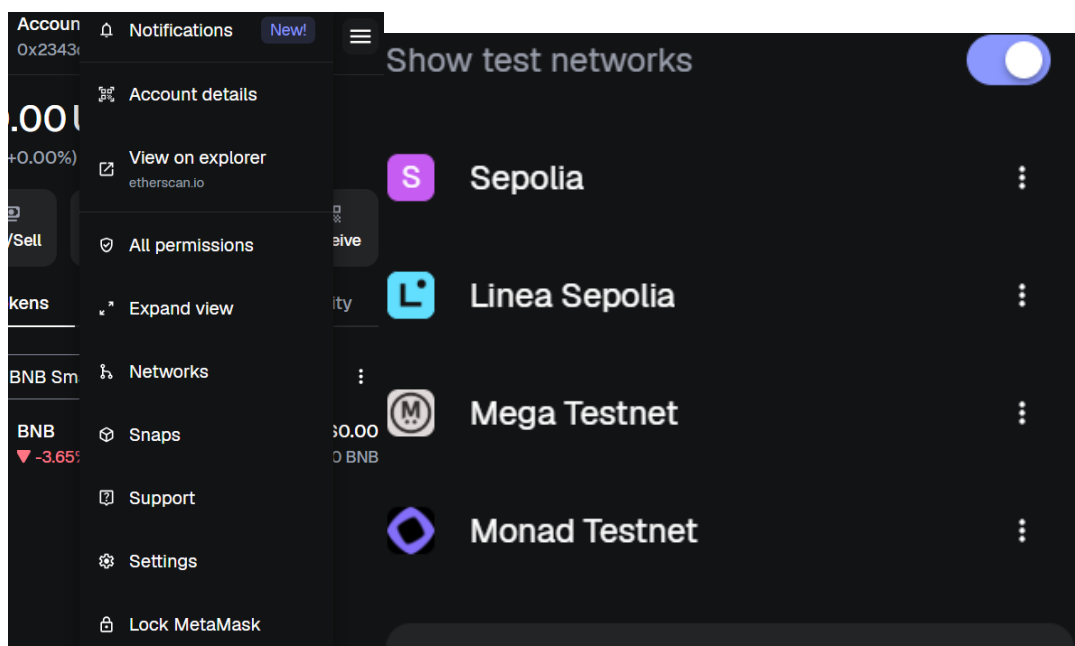
To connect a wallet (MetaMask) to an Ethereum test network (Sepolia/Goerli) and interact using ethers.js.

Apparatus/Software Used:

- MetaMask Wallet
- Chrome web Browser
- Sepolia Testnet Faucet
- Sepolia Etherscan

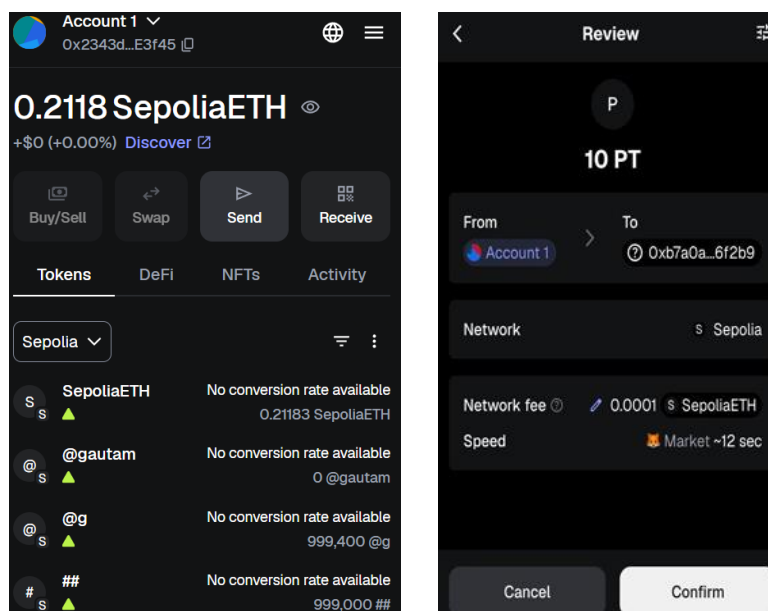
Theory/Concept:

A **wallet** on a testnet allows you to simulate real Ethereum transactions without spending real ETH. MetaMask manages private keys and connects to dApps. Ethers.js provides abstractions (Provider, Signer, Contract) to interact with the blockchain.



Procedure:

- Go to MetaMask wallet choose the testnet and select sepolia testnet
- Then go to sepolia faucet cloud to faucet som sepolia testnet
- Now copy the wallet address and click on receive sepolia
- Now click on send button and paste a another wallet address to send sepolia testnet

**Observation Table:**

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		