Centurion UNIVERSITY Shaping Lines Deprevering 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 Experiement: Wallet on Testnet – Set Up and Transact.

Objective/Aim:

- To setup a MetaMask wallet.
- To connect it to the Sepolia Ethereum testnet.
- To receive Sepolia test ETH from a faucet.
- To prepare the wallet for test transactions and smart contract deployment.

Apparatus/Software Used:

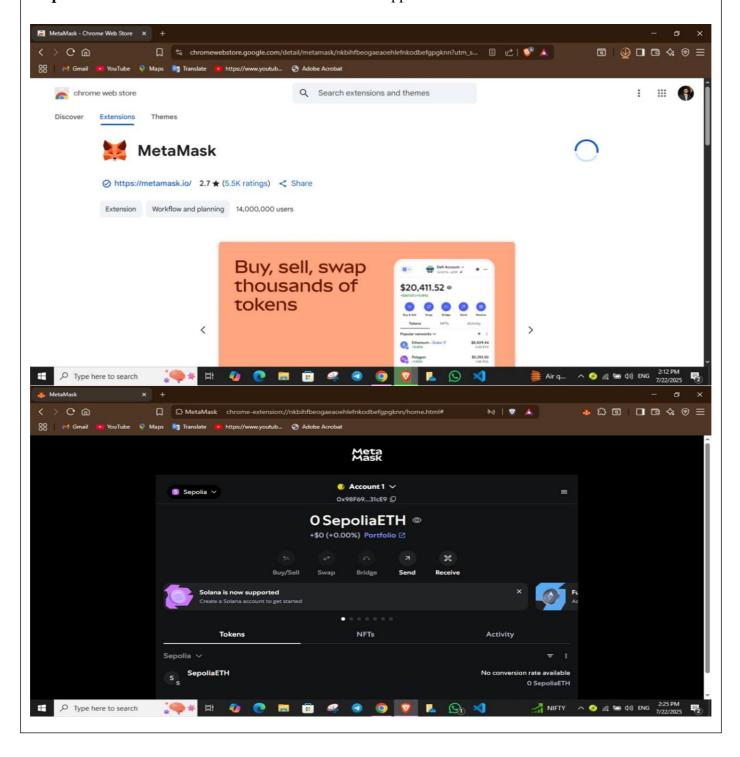
- Laptop/PC
- PowerPoint/Word for documentation
- Internet for research

Theory/Concept:

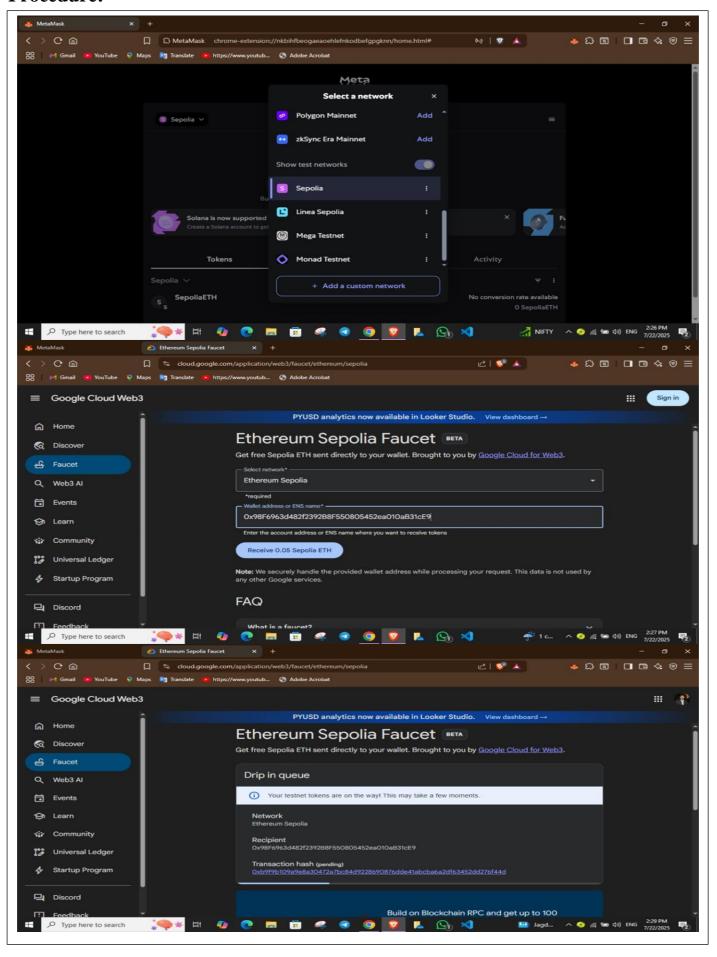
- **MetaMask** is a crypto wallet and gateway to blockchain apps. It allows users to manage private keys and interact with decentralized applications (dApps).
- **Sepolia Testnet** is a public Ethereum test network used to test smart contracts and dApps without using real ETH.
- Faucet is a service that gives out free testnet ETH for development and testing purposes.
- **Testnet ETH** has no real-world value but mimics real ETH for safe experimentation.

Procedure:

- **Step.1-** Open <u>Chrome Web Store</u> and install MetaMask extension.
- **Step.2-** Create a MetaMask wallet or import using a seed phrase.
- **Step.3-** Enable **test networks** in MetaMask settings.
- **Step.4-** Switch to the **Sepolia** network.
- **Step.5-** Copy your MetaMask wallet address.
- **Step.6-** Visit the Google Sepolia Faucet.
- **Step.7-** Paste your wallet address and click "Receive 0.05 Sepolia ETH".
- **Step.8-** Wait for confirmation. Your test ETH will appear in MetaMask.



Procedure:



Observation Table

Observation Point Details

MetaMask Installation Successfully added via Chrome Web Store

Wallet Address 0x98F6...31cE9

Selected Network Sepolia (test network enabled)

Test ETH Request Submitted successfully via Google Sepolia Faucet
Faucet Transaction Status Pending (awaiting confirmation on Sepolia testnet)
SepoliaETH Balance Initially 0 ETH, will update once faucet TX is complete

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		

Signature of the Student:

Signature of the Faculty:

Name:

Regn.No.