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

AcademicYear:.....SubjectName:.....SubjectCode:.....

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

Date: .....

Applied and Action Learning

(LearningbyDoingandDiscovery)

Name of the Experiement : Wallet on Testnet – Set Up and Transact

* Coding Phase: Pseudo Code / Flow Chart / Algorithm

Algorithm Steps:

1. Install and configure a wallet (MetaMask).
2. Connect it to a blockchain test network.
3. Request test tokens from a faucet.
4. Send test tokens to another wallet address.
5. Verify the transaction on a testnet blockchain explorer.

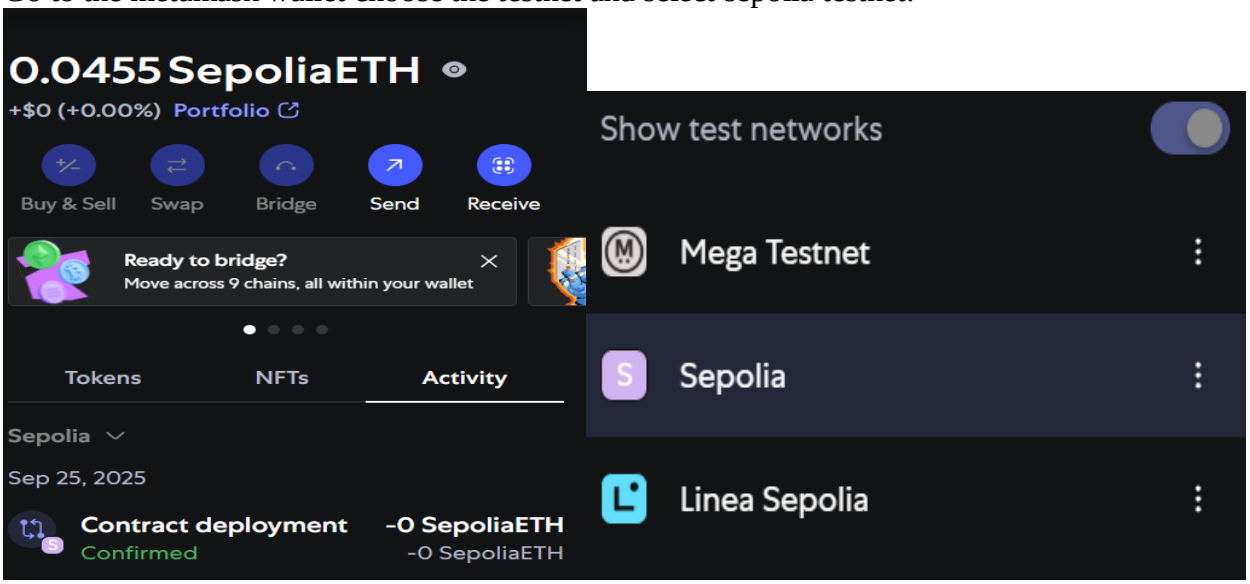
* Softwares used

- Chrome Web Browser
- MetaMask Wallet Extension
- Blockchain Testnet Explorer (e.g., Sepolia / Goerli / Polygon Testnet)
- Text Editor (VS Code / Notepad++)

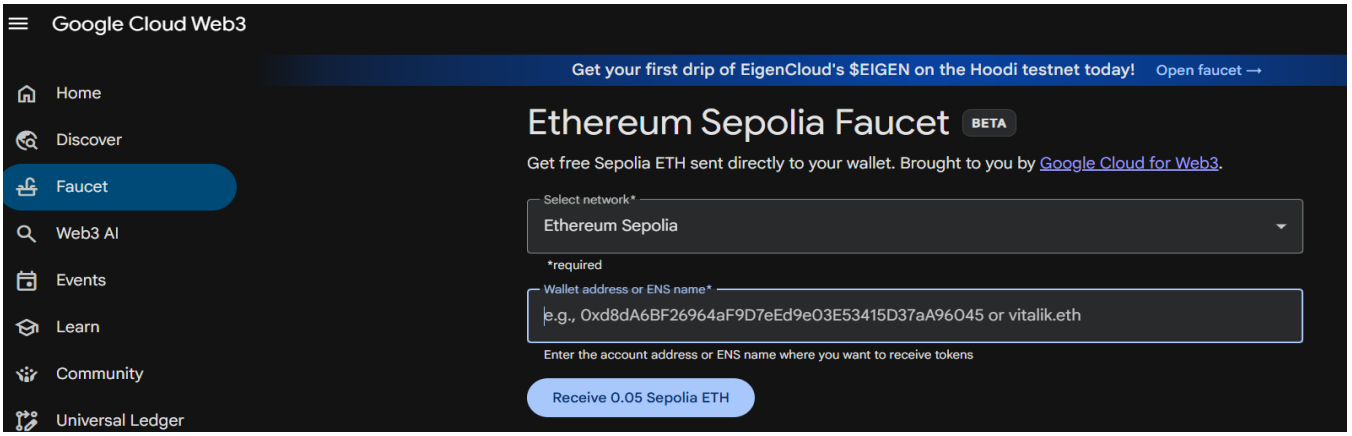
*Asapplicableaccordingtotheexperiment.
Twosheetsperexperiment(10-20)tobeused.

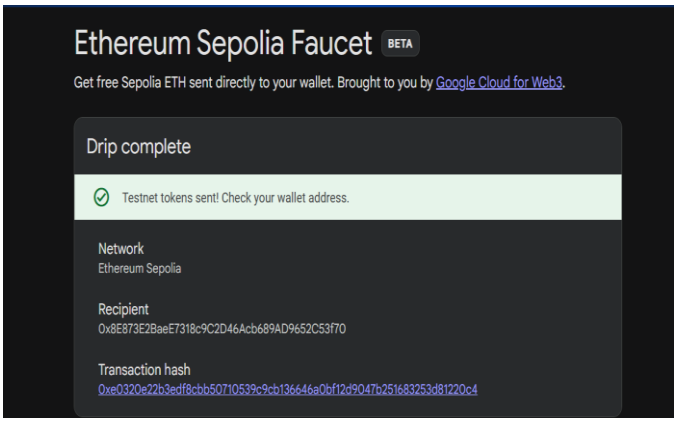
* Implementation Phase: Final Output (no error

Go to the metamask wallet choose the testnet and select sepolia testnet.



- Then go to the sepolia faucet cloud to fauset some sepolia testnet





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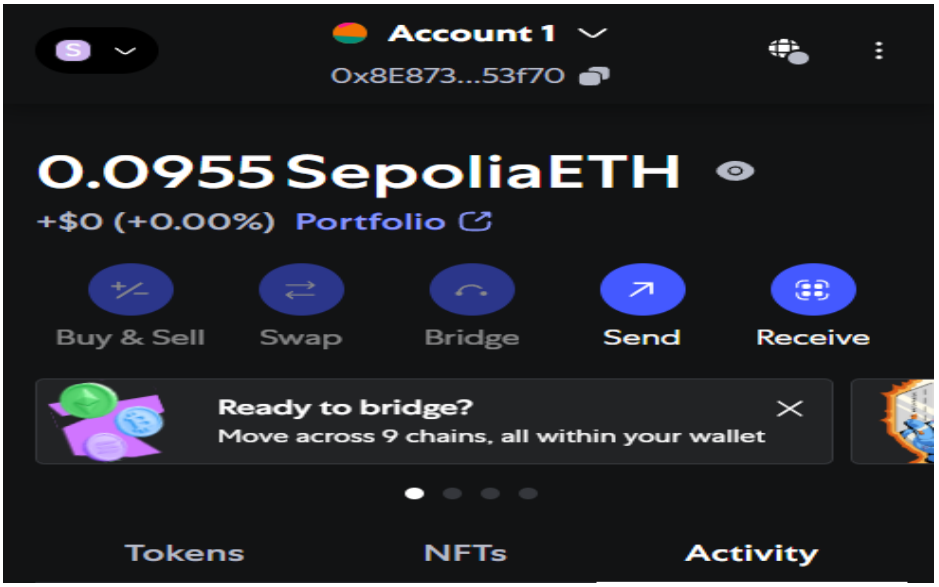

* Observations

It was observed that Proof of Work (PoW) ensures robust security through computational difficulty but consumes large amounts of energy and time.
In contrast, Proof of Stake (PoS) provides a more sustainable and energy-efficient alternative while maintaining good security and faster transaction processing.

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. :

Signature of the Faculty:

**Asapplicableaccordingtotheexperiment. Twosheetsperexperiment(10-20)tobeused.*