



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 : Tokenomics 101 – Analyzing Crypto Economics

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

- Start
- Choose a cryptocurrency token to analyze (e.g., Bitcoin, Ethereum, Polygon).
- Fetch data such as total supply, circulating supply, and holders.
- Study token utility – how and where it is used (e.g., transactions, staking, governance).
- Analyze token distribution among team, investors, and community.
- Check inflation or burning mechanism of the token.
- Compare token performance in the market.
- Summarize observations and conclude token's economic health.
- Stop

Software used

1. Language: Solidity
2. IDE: Remix IDE
3. Network: Ethereum Testnet (Goerli)

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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)

- The ERC-20 token smart contract was written in Solidity using Remix IDE.
- The contract defined key parameters like token name, symbol, total supply, and decimals.
- The token was successfully compiled and deployed on the Ethereum Testnet (Goerli) through the MetaMask wallet.
- After deployment, the total token supply was automatically assigned to the creator's wallet.

* Observations:

- Token data such as total supply, circulating supply, and holders were successfully retrieved.
- Utility analysis showed how the token is used for transactions, staking, or governance.
- Token distribution revealed fair allocation among team, investors, and community.
- The burning mechanism helped maintain the token's value and control inflation.
- All tokenomics parameters were displayed correctly without any error.

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 :

Signature of the Faculty:

Regn. No. :

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