



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**

1. Initialize Token Supply:

- Define total supply of tokens (e.g., 1,000,000).

2. Allocate Tokens:

- Divide the total supply into categories such as:
 - Team: 20%
 - Investors: 30%
 - Public Sale: 40%
 - Reserve: 10%

3. Simulate Circulation:

- Track how tokens enter the market through staking, trading, or rewards.

4. Apply Token Burning (Optional):

- Remove a small percentage of tokens from circulation to simulate deflation.

5. Calculate Market Value:

- Token price = Market Cap ÷ Circulating Supply

6. Display Final Metrics:

- Show total supply, circulating supply, burned tokens, and token price changes.

Software used

1. VS Code.
2. MS Word.
3. Brave for researching.

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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)

Initial Token Supply: 1,000,000

Allocation:

Team: 200,000

Investors: 300,000

Public Sale: 400,000

Reserve: 100,000

After Circulation:

Burned Tokens: 20,000

New Circulating Supply: 980,000

Market Cap: \$4,900,000

Token Price: \$5.00

Output Example:

Total Supply: 1000000

Tokens Burned: 20000

Circulating Supply: 980000

Current Token Price: \$5.00

* Observations:

- Token allocation strategy directly affects token scarcity and investor trust.
- Burning mechanisms reduce total supply, helping increase token value over time.
- Staking rewards motivate long-term participation and reduce market volatility.
- A balanced tokenomics model ensures both early and late participants benefit.
- Inflationary models help maintain liquidity, while deflationary models promote scarcity.
- Projects with transparent and fair tokenomics attract more community engagement.

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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:

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