Centurion University
Shaping Lives... Empowering 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 : Tokenomics 101 – Analyzing Crypto Economics

Objective/Aim:

To study and analyze the **economic model of blockchain tokens**, including their **supply, distribution, incentives, and utility**, and understand how these factors maintain balance in a decentralized economy.

Apparatus/Software Used:

- Brave for searching
- Tokenomics 101(Coinbase): https://www.coinbase.com/en-in/learn/wallet/tokenomics-101

Theory concept:

Tokenomics (Token + Economics) refers to the study of the economic model behind a cryptocurrency or token. It defines how a token is created, distributed, used, and destroyed within a blockchain project. Strong tokenomics ensures the project's stability, sustainability, and user engagement.

Key Concepts:

- Tokenomic details can be found in a project's whitepaper or on trusted sites like Coinbase, CoinMarketCap, CoinGecko, and Messari.
- On Coinbase, visit the Prices section (https://www.coinbase.com/price) to explore different cryptocurrencies.
- After selecting a cryptocurrency, you can view its market capitalization, trading volume, and circulating supply below the price chart.
- The example in the image shows Bitcoin priced at $29,854.47, with a market cap of $570.1B, 24-hour volume of $34.2B, and 19.0M BTC circulating (91% of total supply).
- These insights help users understand a crypto asset's market performance, liquidity, and overall economic strength.

Procedure:

1.Open a blockchain simulator or analysis tool (like Tokenomics Dashboard, Etherscan, or CoinMarketCap).
2.Choose a blockchain project (e.g., **Ethereum**, **Polygon**, or **Uniswap**) to analyze.
3.Locate the project's **token smart contract address**.
4.Analyze the **token supply**, **holders**, and **distribution** using blockchain explorer.
5.Note key token details:

- Total Supply
- Circulating Supply
- Token Holders
- Burn Events (if any)
- Token Transfers

6.Study the **token utility** — what it's used for (governance, gas fee, staking, etc.).
7.Observe any **inflation or deflation** mechanisms.
8.Record findings and discuss how the design affects token value and network stability.

Observation:

1. Effective tokenomics design requires balanced distribution and sustainable utility to ensure long term ecosystem growth.
2. Scalability and regulatory compliance are crucial for maintaining stability and investor trust.
3. A flexible and adaptive token model helps projects evolve with changing market and technological trends.

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. :

**As applicable according to the experiment. Two sheets per experiment (10-20) to be used.*