



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

Select a cryptocurrency token (e.g., Bitcoin, Ethereum, or Stacks).

Visit a blockchain analysis website such as CoinMarketCap or CoinGecko.

Search for the selected token.

Record details like total supply, circulating supply, market cap, and utility.

Analyze token distribution and its impact on price and demand.

Summarize findings based on token's economic model.

End

### **Apparatus/Software Used:**

Computer System / Laptop

Web Browser (Google Chrome / Brave)

Internet Connection

Blockchain Explorer

Spreadsheet software

### **Theory/Concept:**

Tokenomics (Token + Economics) is the study of the economic structure and behavior of a cryptocurrency or blockchain token.

It helps in understanding how tokens are created, distributed, used, and managed within a blockchain Ecosystem

Token Supply: Total, circulating, and maximum supply of tokens.

Distribution: How tokens are allocated (team, investors, community).

Utility: How the token is used (governance, staking, payments, rewards).

Inflation / Deflation: Mechanisms that affect the value of tokens over time.

Burn Mechanisms: Reducing token supply to maintain scarcity and value.

## Procedure:

1. Open a web browser and visit CoinMarketCap or CoinGecko.
2. Type the name of the cryptocurrency (e.g., “Stacks (STX)”).
3. Observe and note down:
  - Total Supply
  - Circulating Supply
  - Market Capitalization
  - Use Case and Utility
  - Distribution or Token Allocation
4. Analyze how these factors affect the token’s market performance.
5. Record the observations and draw a conclusion.

## Observation :

The selected token was Stacks (STX).

Its total supply, circulating supply, and market capitalization were noted.

The token has clear utility in smart contracts, DeFi, and app building.

The distribution model supports fair participation, and no errors were observed during data analysis.

## 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		
<b>Total</b>	<b>50</b>		

*Signature of the Faculty:*

*Signature of the Student:*  
 Name : \_\_\_\_\_  
 RegnNo. \_\_\_\_\_