



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)

## \* 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		
<b>Total</b>	<b>50</b>		

**Signature of the Student:**

Name :

Regn. No. :

**Signature of the Faculty:**

