



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

Objective/Aim:

To analyze the design of a cryptocurrency's economic model including token supply, inflation, and utility.

Apparatus/Software Used:

- Laptop
- MetaMask
- Vs code
- Etherscan → For Ethereum-based tokens (ERC-20, ERC-721)

Theory/Concept:

It refers to the **economic system behind a cryptocurrency or token**, describing how it is created, distributed, and used within its ecosystem.

It's just like a government controls money supply, interest rates, and inflation, a blockchain project uses **tokenomics** to control:

- Who gets the tokens
- How tokens enter or leave circulation
- What gives them value

Initially distribution among participants.

Example :

- **Team & Treasury allocations** – Reserved for project founders or future use
- **Mining / Staking rewards** – Earned through network participation

Procedure:

Procedure:

1. Select a Crypto Example.

2. Analyze Key Parameters:

- o Total Supply
- o Utility
- o Inflation Rate
- o Study Distribution
- o Validator rewards
- o Developer funds
- o User transactions

3. Create Table for Comparison with Another Token.

Observation Table:

Token	Total Supply	Inflation Rate	Utility	Consensus	Notable Feature
Bitcoin	21M fixed	0% (after 2140)	Store of Value	PoW	Limited supply
Ethereum	Unlimited	~0.3%	Gas & Staking	PoS	Deflationary after EIP-1559

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 Faculty:

Signature of the Student:
 Name : _____
 RegnNo. _____