



## Department of Artificial Intelligence and Data Science

### Academic Year 2024-2025 (Odd Semester)

Degree, Semester & Branch: V Semester B.Tech –AI & DS

Course Code & Title: CCS339-Cryptocurrency and Blockchain Technologies

Name of the Faculty member: Mrs. M.Santhikala

### Innovative Practice Description

Unit / Topic: Unit I/ INTRODUCTION TO BLOCKCHAIN

Course Outcome: CO 1

Learning Outcome: 1a,1b,1c

Activity Chosen: Mind Map

Justification:

- A mind map is a visual representation that shows concepts and ideas. It's a technique for visual thinking that helps with data arrangement.
- It swiftly jots down ideas. So, this practice will help students recognize the theoretical ideas in the image and facilitate quick recall for their tests.
- Time Allotted for the Activity: 15 minutes

Details of the Implementation:

- Instructor explained the concepts in classroom within 30minutes.
- Based on the discussion and the instructor asked the students to draw a mind map related to the topic within 15 minutes.
- Each student created a mind map on Dictionaries: operation and methods.
- Students represent the concept taught in the class by visual representation.
- Instructor collected the sheets from the students. After that they are asked to discussed about their mind map with their neighbours.

CO — PO / PSO mapping:

CO	PO I	P0 2	P05	P09	P012	PSO 3
CO 1	3	2	2	2	2	3

(1 — Low 2 — Moderate 3 — High)

PO & PSO mapped:

Innovative practice	PO1	PO2	PO5	PO9	PO12	PSO3
	3	2	2	2	2	1
Justification for correlation	Students will acquire the knowledge of the abstract models of blockchain technology.	Students will understand blockchain use cases and scenarios	Students will effectively use blockchain development tools	Students will investigate complex problems related to abstract blockchain models, exploring potential improvements and innovative approaches.	Students will effectively use blockchain development tools and platforms	To acquire the knowledge about how the blockchain works for a transaction.

- Images / Screenshot of the practice:



- Sample mindmap:



Fig:1 Glimpse of Student Mind Map

- Reflective Critique:

**Feedback of practice from students and other stakeholders:**

1. Can you able to understand the blockchain?

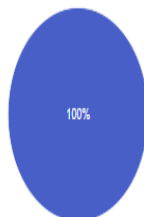
19 responses



• Yes  
• No  
• Maybe

2. Can you able to explore the concepts in transaction?

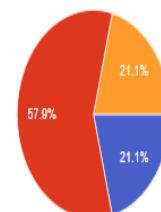
19 responses



• Yes  
• No  
• Maybe

3. Did you face any challenge in preparing mind map?

19 responses



• Yes  
• No  
• Maybe

***Benefit of the practice:***

From this activity, the students can get more clarity in the particular topic.

- Through this activity, the students are able to remember and describe the various dictionary operations and its methods clearly.

***Challenges faced in implementation:***

- Some students find out the difficulties to express the key points in the picture.
- Few students require additional explanations to create the mind map.
- It is a challenge to engage and encourage the students in this activity.

***References:***

[https://www.ritrjpm.ac.in/images/ai-and-ds/2023-2024/AL3452\\_BR\\_MM\\_Even.pdf](https://www.ritrjpm.ac.in/images/ai-and-ds/2023-2024/AL3452_BR_MM_Even.pdf)

<https://www.lucidchart.com/pages/how-to-make-a-mind-map>

**Faculty in-charge**

**HOD / AD**