



RAMCO INSTITUTE OF TECHNOLOGY

RAJAPALAYAM

Department of Artificial Intelligence and Data Science

Academic Year: 2022- 2023 (Even Semester)

Active Learning Best practices: Flash Card - Cooperative Learning Technique

Degree, Semester & Branch: IV Sem. B.Tech. Artificial Intelligence and Data Science

Course Code & Title: - AD3491 - FUNDAMENTALS OF DATA SCIENCE AND ANALYTICS

Name of the Faculty member: Dr.S.Vimal ,Associate Professor/AD

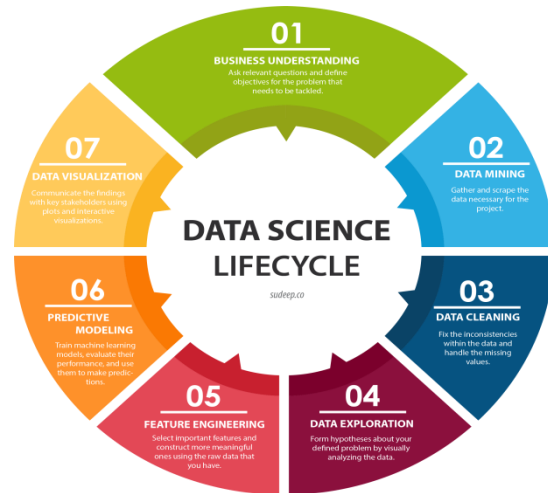
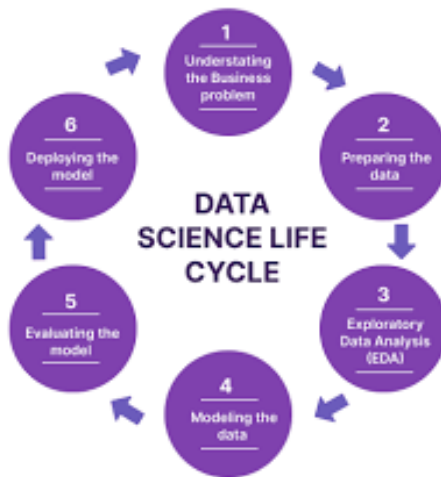
Theme of discussion: Data Science Life Cycle & Data Science Design process

Topics Covered: Unit- 1 & 2

Date and Time: 23.02.2023 & 11.00 am to 11.50am

Active Learning Best practices: Flash Card - Cooperative Learning Technique

Topic:



Learning Outcomes

- Describe the Levels of Design process
- Explain the Data Science Design lifecycle and its approaches.
- To improve listening, communication, and presentation skills.

Procedure:

Step 1 (5 minutes)

- Form the 3 groups with 15 students based on the students' academic performance.
- Identify one student as the group Leader to represent the Group performance for each 3 group

Step 2 (20 minutes)

- Appoint one student as the core leader and that student will post the questions in the LCD projector. Each question will be posted for 45 seconds

Step 3 (1 minutes)

- Give students time to recall the topics taught in previous class

Step 4 (1 minutes)

- Student Leader for 3 groups must discuss with their 15 peers for the posted question
- The Leader should show the answer chart mentioned as A1—A4,B1—B4 and C1-C4
- The leader choice of answer selection is from group maximum survey , the leader has conducted

Step 5 (5 minute)

- Ask each Group leader to display the answer chart to the core Leader .
- Encourage others in the group to ask questions for clarification

Step 7 (15 Minutes)

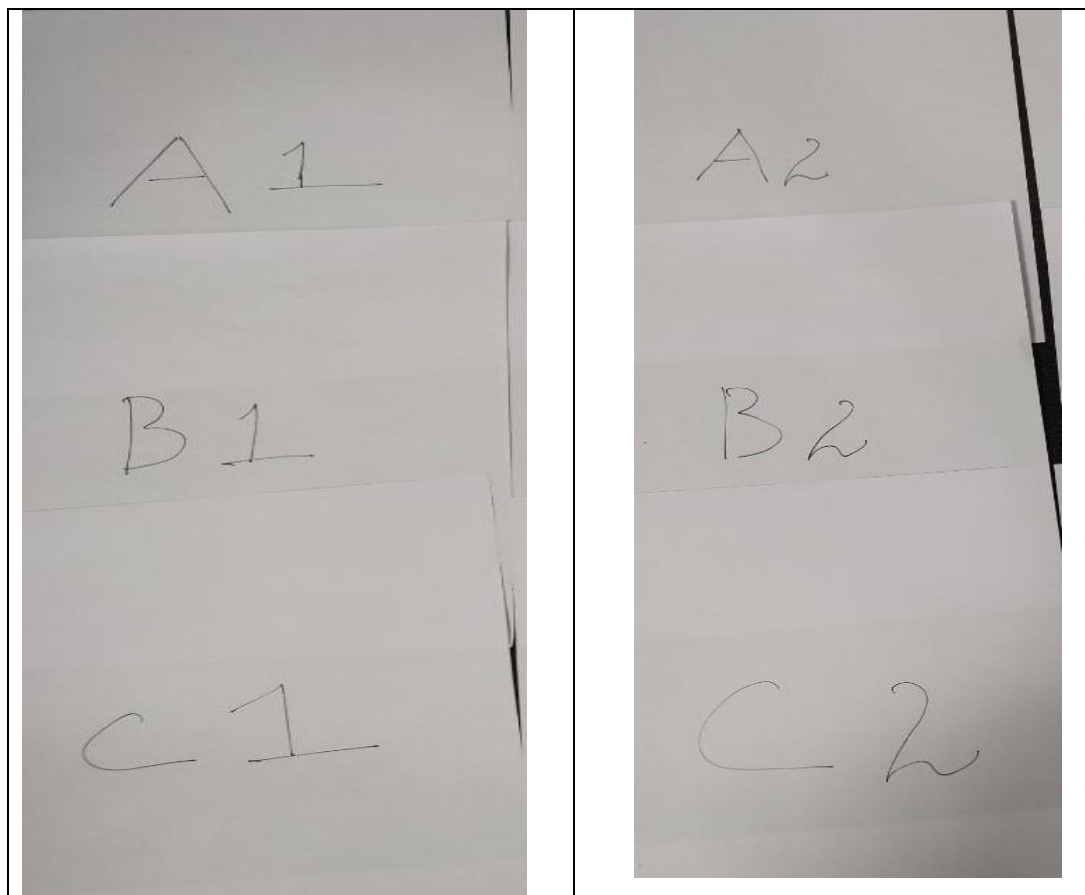
- The Flash card will be done for 20 questions for all groups and finally the team scoring the highest mark is declared as the elite observer team

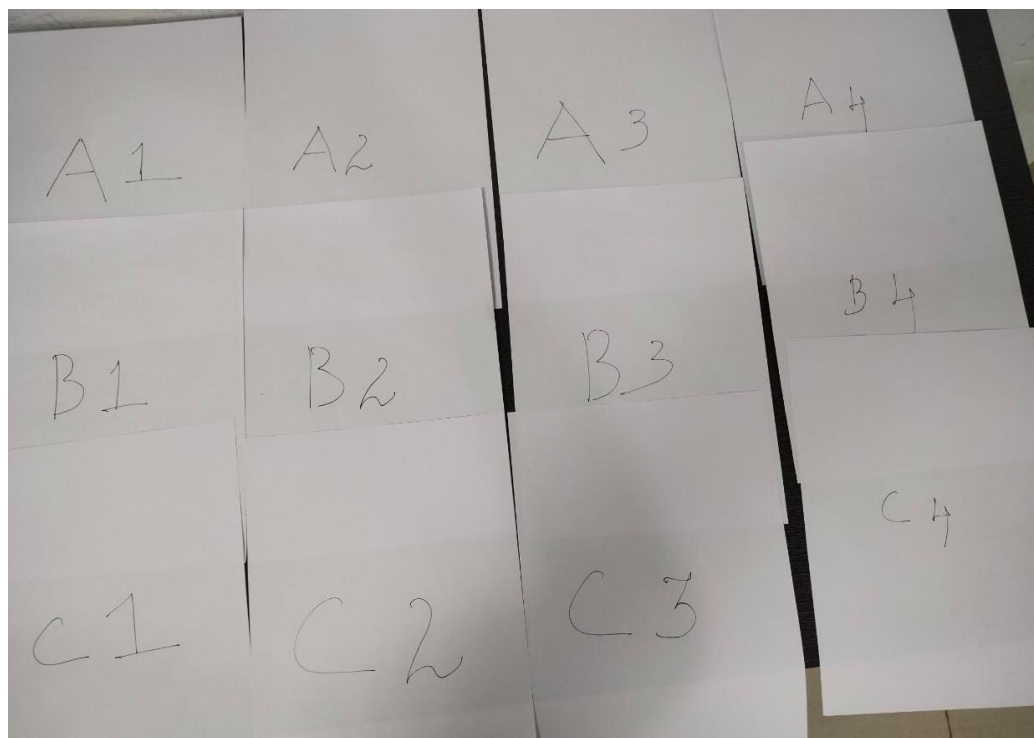
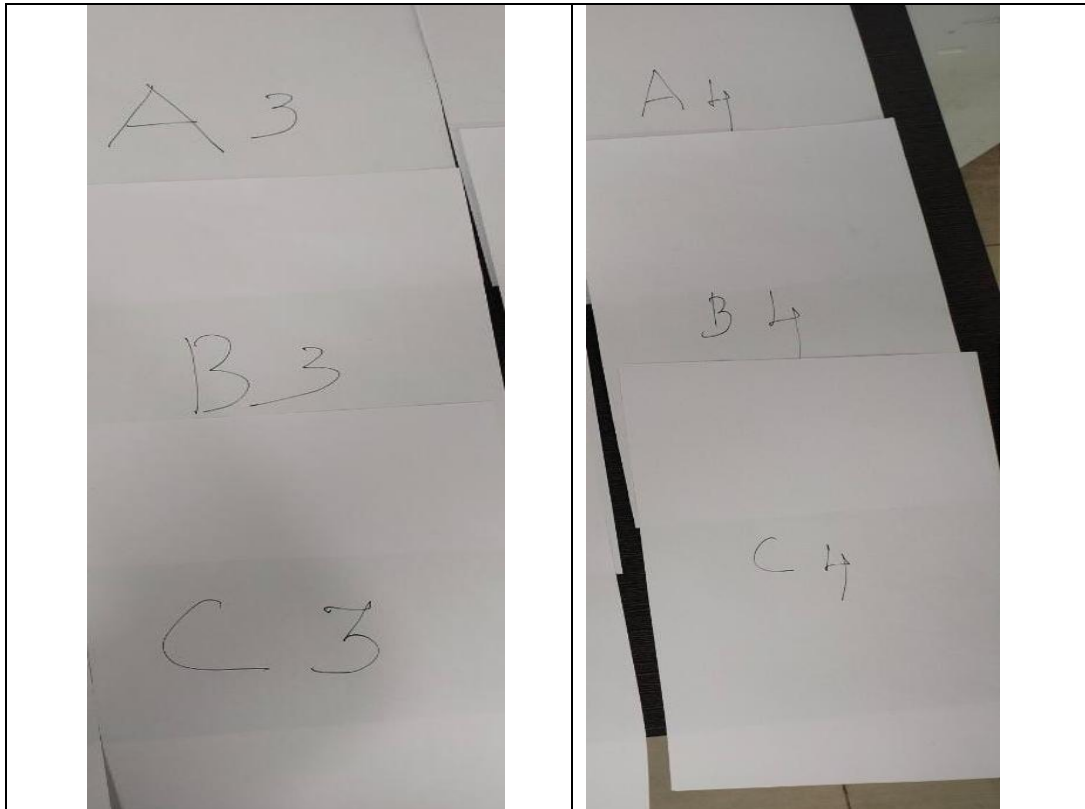
Design and Implementation

- Procedure of Flash Card has been discussed in the course website in advance in which students knew the knowledge of this activity.

At the end of the session, student from each group shared the knowledge what they learnt.

Glimpses:







Reflective Report

Challenges and strategies:

- Make all the students to bring to attention towards participation in the activity
- To Select the Team leaders among the bright and competitive students
- Motivate the slow learners to involve the activity.
- Given materials and also discussed the previous class discussed topics for conducting the activity
- Inference collection about the topic and identifying the best option among the posted queries in the group takes attention towards the discussed topic

Observations:

Using flashcards is one of the most common study methods, and it is the one many students are most familiar. Flashcards help students to engage in active recall or a process wherein students actively engage in learning by stimulating our memories and creating lasting connections to the material. Flash cards are a very useful revision activity for many reasons. They work across all subjects, they can be used with the recall of facts, topics, keywords and more. They are a very simple technique for learners to use – low effort but high impact.

Students Response:

- Bright students were actively participated to prepare the topic wise questions and concept notes.
- Slow learners expect to assist the topic towards searching online and also understanding the questions
- Faculty has involved in the Flash card preparation
- Most of the students were enjoyed the session.

Students response ensures the students could improve listening, communication, creativity and problem-solving skills.



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FEEDBACK

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Theme of discussion: Data Science Life Cycle

Date and Time: 23.02.2023 & 11.00 am to 11.50am

Feedback collected in class and also through online

Gform : <https://forms.gle/dMgHLn4Z4pPAqM2F6>

Feedback Questionnaire:

- | | | |
|---|------------------|--------------------------|
| 1. Does it encourage cooperative learning among yourself ? | Yes | No |
| 2. Whether the Data Science Design Process and Life cycle approach has been analysed in a best way using this best practice | Excellent | Good Satisfactory |
| 3. Does this activity learning improve listening, communication, and problem-Solving skills? | Yes | No |
| 4. Whether this approach of learning engage the peer learning and active way of representation towards the course | Yes | No |
| 5. Does the Best practice is sufficient to understand and discuss the concepts | Yes | No |

Feedback Analysis:



5.Does the Best practice is sufficient to undertand and discuss the concepts

 Copy

50 responses

