

Department of Artificial Intelligence and Data Science

Academic Year 2024 – 2025 (Odd Semester)

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

Course Code & Title: OMG355 & Multivariate Data Analysis

Name of the Faculty member (s): Mrs. B. Revathi

Innovative Practice Description

- **Unit / Topic: Unit I / Introduction- Classification of Multivariate Techniques**
- **Course Outcome: CO 1**
- **Topic Learning Outcome: TLO1,2**
- **Activity Chosen: Visible Quiz**
- **Justification:**
The Concepts related to Multivariate Techniques, a visible quiz activity was carried out to gauge the student's level of understanding. This activity helps them to remember the various techniques used in multivariate analysis.
- **Time Allotted for the Activity: 45 Minutes**
- **Details of the Implementation:**
 1. Initially, 20 questions covering the important topic in Classification of multivariate Techniques was taken and prepared in a power point presentation.
 2. The students were split into a group of five members (class strength: 62). 12 groups were formed and each member of the group were given with a card containing A, B, C, D.
 3. Each group was provided with a paper to write down the answer for each question.
 4. The MCQs are displayed in the classroom projector and the student teams are questioned to discuss and write answers.
 5. Based on their discussions, the student team representative raises the relevant option card for the question.
 6. The justifications for their answers are explained by each group and finally, the correct answers are discussed.
- **Images / Screenshot of the practice:**



- **Reflective Critique:**

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

- ✓ The students felt easy to remember and recollect the concepts involved in the given topic which will make them to attend the questions.

- ❖ ***Benefit of the practice:*** (E.g.: Outcome attainment would have increased due to innovative practice over conventional practice)

- ✓ This activity helped to quickly recap the important fundamental knowledge about Machine Learning Basics.
- ✓ Visible quiz is a team-based activity which supports collaborative learning through which the concepts will be made clear.

- ❖ ***Challenges faced in implementation:***

- ✓ Only some students voice their opinions while others are idle

References:

1. <https://tophat.com/blog/active-learning-any-modality/>
2. <https://uploads.provost.vcu.edu/ctle/activeoptions.pdf>

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Theme of Discussion: Classification of Multivariate Techniques

Date and Time: 2.9.2024 & 9.00 am to 9.45 am

Feedback collected in class and also through online

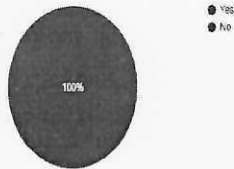
Google Form Link: <https://forms.gle/RzflsZK9zjx6keBR9>

Feedback Questionnaire:

1. Does the activity encourage among yourself? **Yes No**
2. Do you have a clear understanding about the Classification of Multivariate concepts?
a. Yes b. No
3. Does this activity learning improve listening, communication and problem-solving skills?
a. Yes b. No

Feedback analysis:

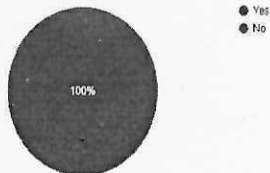
1 Does the activity encourage among yourself? Copy
45 responses



2 Do you have a clear understanding about the Classification of Multivariate concepts? Copy
45 responses



3 Does this activity learning improve listening, communication and problem-solving skills? Copy
45 responses



B. Revathi

Signature of Faculty Member

Revathi
9/9/24

HOD