



Department of Artificial Intelligence and Data Science

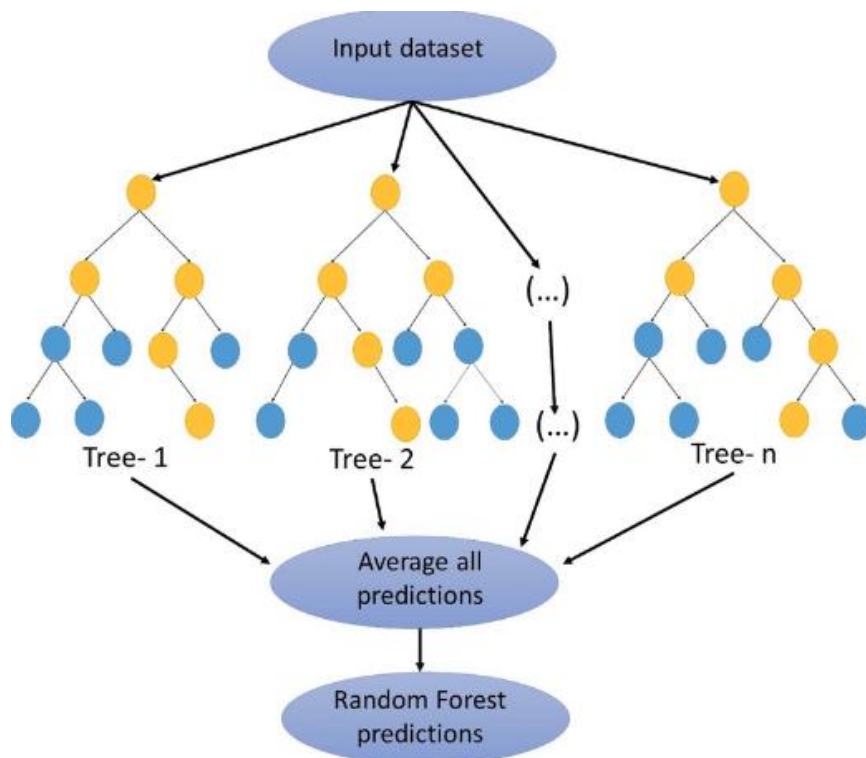
Academic Year: 2023- 2024 (Even Semester)

Degree, Semester & Branch : B.Tech,IV & AI & DS
Course Code & Title : AL3451& Machine Learning
Name of the Faculty member : Mrs. C.Usharani, AP/AD

Active learning practices: Think Pair Share

- **Unit/Topic:** II/Random Forest Algorithm
- **Course outcome:**CO2
- **Topic Learning outcome:** TLO4

Schematic diagram of the random forest algorithm



➤ **Justification:**

As part of the think-pair-share method of collaborative learning, students are asked to thinking on their own and sharing what they've learned with their peers.

This method consist of four steps

❖ **Step 1(5 minutes)**

The group of students listens to the question posed by the instructor.

❖ **Step 2(10 minutes)**

After having some time to reflect, each student writes their answers.

❖ **Step 3(15 minutes)**

Pairs of students read and discuss their answers.

❖ **Step 4(15 minutes)**

The teacher invites several students to share their thoughts and ideas with the whole class.

➤ **Time Allotted for the Activity:** 45 Minutes

➤ **Details of the Implementation:**

Think-Pair-Share, a Collaborative active learning practice, conducted for II AI & DS-B section students, in which students work on a question posed by instructor.

T (Think): Students think about the given topic of Random Forest Algorithm individually and then write the responses.

P (Pair): Each student is paired with their peers or groups to discuss the working process of Random forest algorithm

S (Share): Students discussed with their peers and expand the share to the whole class discussion. Mr. ThaarunKumar and Ms. Dhaneswari of II AI & DS-B section shared their views to the whole class.

Glimpses of the Practice:





Reflective Critique:

- ✓ **Feedback of practice from students and other stakeholders:**
 - Students felt they had adequate time to think critically.
 - Students felt this activity provides a chance to collaborate in groups.
- ✓ **Benefit of the practice** (E.g.: Outcome attainment would have increased due to innovative practice over conventional practice)
 - The students can get more clarity in the particular topic by discussing and sharing their views with the other students in the class.
- ✓ **Challenges faced in implementation:**
 - Only one person selected from each group to share their answers in front of the class

References:

<https://www.readingrockets.org/strategies/think-pair-share>

<https://www.kent.edu/ctl/think-pair-share>

<https://www.readingrockets.org/classroom/classroom-strategies/think-pair-share>



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Department of Artificial Intelligence and Data Science
Academic Year 2023 – 2024 (Even Semester)

FEEDBACK Active Learning Best practices: Think Pair Share

Degree, Semester & Branch : B.Tech, IV & AI / DS
Course Code & Title : AL3451&Machine Learning
Name of the Faculty member : Mrs.C.Usharani, AP/AD

Theme of discussion : Random Forest Algorithm
Date and Time : 13.04.2024 & 3.45 pm to 4.30 pm.
Feedback collected in class and also through online

FEEDBACK QUESTIONS

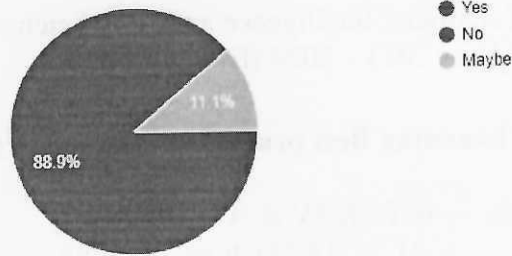
1. Does it encourage cooperative Learning Practices among yourself?
Yes / No/Maybe
2. Connection with course material in a creative and engaging way to describe the Random Forest Techniques
Excellent /Good /Fair
3. Does this activity learning improve listening, communication and problem solving skills?
Excellent /Good /Fair

Googleform Link: <https://forms.gle/XTwuk4G9XdMQmbo4A>

Feedback Analysis:

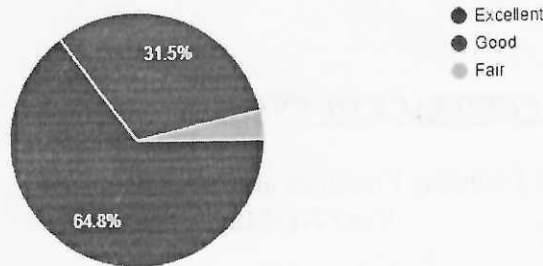
1. Does it encourage cooperative Learning Practices among yourself?

54 responses



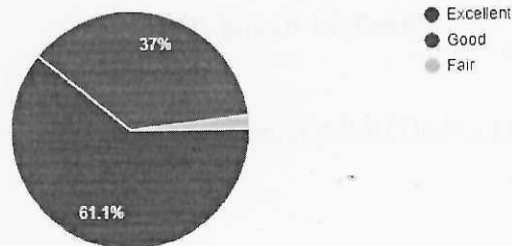
2. Connection with course material in a creative and engaging way to describe the Random forest Techniques.

54 responses



3. Does this activity learning improve listening, communication and problem solving skills?

54 responses



C. Unk
24/4/24
Faulty Incharge

Wark
24/4/24
HOD