**Department of Computer Science and Engineering**

**Innovative Teaching Methods**

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| Activity Title | Solve the puzzle using aprior algorithm |
| Faculty Name/Department | Dr. Rasina Begum/CSE |
| Mapped Course Name & Code | Big Data Analytics CS8091 |
| Date | 10-4-23 |
| Benefitted Students (Year / Sem / Dept) | III/VI/CSE |
| Topic | Aprior algorithm |
| Description | The Apriori algorithm is a widely used data mining technique in the field of association rule mining, which is a key component of market basket analysis and recommendation systems. The primary goal of the Apriori algorithm is to discover frequent itemsets in a dataset, where an itemset is a collection of items (e.g., products in a store) that are frequently purchased together by customers. These frequent itemsets are then used to generate association rules, which describe the relationships between different items based on their co-occurrence in transactions. |
| Course Outcomes (CO) | CO2: Understanding the working of apirior algorithm. |
| Performance Indicator (PI) | 1.4.1 |
| Mail ID ( for review) | resinayousuf@gmail.com |

**Topics/ Questions:**

1. Making students to understand the apirior alogrithm**.**
2. Question solve the puzzle using apirior algorithm**.**

**Marks:**

| Group Name ( if ITM is a group activity) | Reg No. | Topic / | Marks | | |
|---|---|---|---|---|---|
| | | | (10) | (10) | Total |
| A | 5001-29 | Apirior algorithm | 10 | 10 | 20 |
| B | 5030-51,301-312 | Apirior algorithm | 10 | 10 | 20 |

Outcome:

1. Work with big data tools and its analysis techniques
2. Analyze data by utilizing clustering and classification algorithms
3. Learn and apply different mining algorithms and recommendation systems for large volumes of data.

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