



**Department of Information Technology
Innovative Teaching Methods**

Activity Title	Solve the puzzle using aprior algorithm
Faculty Name/Department	Dr.D.Weslin / IT
Mapped Course Name & Code	Big Data Analytics CS8091
Date	10-4-23
Benefitted Students (Year / Sem / Dept)	III/VI/IT
Topic	Aprior algorithm
Description	<p>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.</p>
Course Outcomes (CO)	CO2: Understanding the working of aprior algorithm.
Performance Indicator (PI)	1.4.1
Mail ID (for review)	it.hod@msajce-edu.in
Activity Photos	

Topics/ Questions:

1. Making students to understand the aprior algorithm.
2. Question solve the puzzle using aprior algorithm.

Marks:

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