NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY

Department of Information Science and Engineering

DATA MINING (18IS62) PROGRAMMING ASSIGNMENTS (LA2)

Sem: 6th 'B' **Year: 2022**

Note:

- **Students must implement the assigned data mining algorithm in any programming language of their choice and submit report (soft copy) to my mail id: adityashastry.k@nmit.ac.in on or before June 25th, 2022.**
- **Max Marks: 10**
- **Rubrics:**

Criteria	Excellent (5)	Good (4)	Poor (1)
Delivery	The program was delivered on or before the due date	The program was delivered 1 day after the due date	The program was delivered more than 2 days after the due date
Coding Standards	• Excellent indentation • Proper use of comments • Excellent use of variables (no global variables, unambiguous naming).	• Fair indentation • Fair use of comments • Fair usage of variables	• Poor indentation • No comments • Poor use of variables (many global variables, ambiguous naming).
Documentation (Report)	• Report follows the specified format • Clearly and effectively documented including descriptions of all class variables. • Specific purpose noted for each function, control structure, input requirements, and output results	• Report partially follows the specified format • Basic documentation has been completed including descriptions of all class variables. • Purpose is noted for each function.	• Report does not follow the specified format • Documentation does not help the reader understand the code.
Oral Presentation	Clear in speech with excellent presentation skills	Nominal presentation skills with stress on important points	Poor presentation skills

- **Each student in the batch should present. (Code explanation, Output Explanation, Algorithm Explanation is must). PPT can be used for theory explanation. Code execution should be shown.**
- **Students should adhere to the presentation date and time strictly.**
- **Last Date for presentation and report submission (1 report per batch) is 25th June 2022.**
- **Report Format is as follows:**
    - **Front Page with NMIT logo, student names with USNs.**
    - **Full Question**
    - **Algorithm Explanation**
    - **Source Code**
    - **Snapshot of output**

Batch No	Team members	USN	Programming Assignments
1	Ananya Ananth	1NT19IS021	1. Implement **Agglomerative Hierarchical clustering** algorithm for clustering a group of objects. 2. Develop a program to implement **Aggregation**
	Monisha M	1NT19IS085	
	Pragati Priya	1NT19IS111	
	Praneetha D Rai	1NT19IS113	
2	lasya sistla	1NT19IS153	1. Implement a **Rule based classifier** for performing classification. 2. Develop a program to implement **Sampling**
	Richa shetty	1NT19IS130	
	Renuka patil	1NT19IS129	
3	Nishanth D Kini	1NT19IS100	1. Implement a **k-Nearest Neighbor** classifier for performing classification. 2. Develop a program to implement **Dimensionality Reduction**
	N Vishwas	1NT19IS087	
	Nanjundaswamy BN	1NT19IS091	
4	Nilesh Verma	1NT19IS098	1. Implement an **Apriori algorithm** for frequent item set generation. 2. Develop a program to implement **Feature Subset Selection using Filter approach**
	Srajan Gupta	1NT19IS160	
	Rishabh Yadav	1NT19IS131	
	Rishik Makhija	1NT19IS132	
5	kaushik Kulkarni	1nt18is077	1. Implement **FP growth algorithm** for frequent item set generation.
	raunak kumar	1nt19is128	
6	Nitesh Gupta	1NT19IS101	1. Implement **k-means clustering algorithm** for clustering a group of objects.
	Nikhil Janyani	1NT19IS096	
7	Aditya Nair	1NT19IS006	1. Implement **DBSCAN clustering algorithm** for clustering a group of objects. 2. Develop a program to implement **Feature Subset Selection using Embedded approach**
	Satwik Das	1NT19IS143	
	Prateek gupta	1NT19IS115	
	Rahul Rao	1NT19IS123	
8	Nandan p s	1NT19IS089	1. Implement **DBSCAN clustering algorithm** for clustering a group of objects. 2. Develop a program to implement **Discretization**
	Shashank B P	1NT19IS145	
	Anvith N P	1NT19IS033	
	Naresh gubbe	1NT19IS092	
9	Mohammad Fardeen	1NT19IS082	1. Implement a **decision tree** for performing classification. 2. Develop a program to implement **Binarization**
	Pushpesh Bhushan	1NT19IS121	
	Syed Afnan	1NT19IS173	
	Sanidhya Agarwal	1NT19IS140	
10	Namana M N	1NT19IS088	1. Implement an **Apriori algorithm** for frequent itemset generation
	Kruti G Bhat	1NT19IS072	
11	Kshitiz Kumar	1NT19IS073	

	Piyush Geetesh	1NT19IS109	1. Implement a **Rule based classifier** for performing classification. 2. Develop a program to implement **Binarization**
	Raghunanthan R	1NT19IS122	
	Mustaqeem Ahmed	1NT19IS083	
	T.P Bharath	1NT19IS175	1. Implement a **k-Nearest Neighbor** classifier for performing classification. 2. Develop a program to implement **Variable Transformation**
	Charan BM	1NT19IS040	
12	Dharmik	1NT19IS049	
	Ananya. S	1NT19IS024	1. Implement an **Apriori algorithm** for frequent item set generation
13	Mrudula. V	1NT19IS086	
	Niyati V	1NT19IS103	1. Implement **FP growth algorithm** for frequent item set generation 2. Develop a program to implement **Aggregation**
	Gaurav R	1NT19IS052	
14	Anirud kavan gowda	1NT19IS028	
	Shrey	1NT19IS154	1. Implement **DBSCAN clustering algorithm** for clustering a group of objects. 2. Develop a program to implement **Sampling**
	Pratyush	1NT19IS118	
	Sakshi	1NT19IS138	
15	Shivang	1NT19IS148	
	keerthi srivatsa	1NT19IS074	1. Implement a **decision tree** for performing classification
16	Nandini	1NT19IS090	
	K Premchand	1NT19IS065	1. Implement **Agglomerative Hierarchical clustering** algorithm for clustering a group of objects. 2. Develop a program to implement **Dimensionality Reduction**
	Vishwanath J	1NT19IS192	
	Nithish H	1NT19IS102	
17	Punith Kumar B C	1NT19IS120	
	Hemant BG	1NT19IS060	1. Implement a **Rule based classifier** for performing classification. 2. Develop a program to implement **Feature Subset Selection using Filter approach**
	Neeraj N	1NT19IS094	
	Naresh Kumar S	1NT19IS093	
18	Keerthi Prasad	1NT19IS069	
	Shreesha B H	1NT19IS149	1. Implement a **k-Nearest Neighbor** classifier for performing classification. 2. Develop a program to implement **Discretization**
	Pratham B A	1NT19IS116	
	Samarth S J	1NT19IS139	
20	Rajath R	1NT19IS124	
	Aman Raj	1NT19IS013	1. Implement a **k-Nearest Neighbor** classifier for performing classification. 2. Develop a program to implement **Binarization**
	Amritank Gautam	1NT19IS020	
21	Nishant kaushik	1NT19IS099	
	Greeshma G	1NT19IS055	1. Implement an **Apriori algorithm** for frequent item set generation. 2. Develop a program to implement **Feature Subset Selection using Wrapper approach**
22	Nikita Karthik	1NT19IS097	
	Krutina U	1NT19IS071	