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|  | **Open edned Assignment ASSIGNMENT** | |
| **ACADEMIC YEAR** | 2021-22 |
| **Alandi (D), Pune – 412105** | **SEM / TRI** | VIII |
| **SCHOOL OF ELECTRICAL ENGG.** | **CLASS & DIVISION / BLOCK** | TY BTECH |

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| **COURSE** | Soft Computing | **ASSIGNMENT NO.** | 1 |
| **COURSE INSTRUCTOR** | Dr. Rashmi Mahajan | **DATE** | 03/03/2022 |

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| --- | --- | --- | --- | --- |
| **Que. No.** | **Question Description** | **Marks** | **CO No.** | **BT Level** |
| 1 | Select a paper for the implementation based on any one algorithm (KNN, Decision Tree, Linear Regression or Logistic Regression) | 15 | 4 | 3,4 |
| 1 | Prepare Presentation based on paper and its Implementation |
| Steps | 1. Select the database based on the problem |
| 1. Explanation of the algorithm |
| 1. Model Design, Training and Testing |
| Comment about Model Performance as accuracy |

**Rubrics**

Machine Learning Model Development

**Problem Statement for ML Model:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Performance Area** | **Rating = 5** | **Rating = 4** | **Rating = 3** | **Rating= 2** | **Score** |
| **Presentation** | In Presentation of Algorithm Consider All Concepts and presented properly | In Presentation of algorithm Consider All Concepts and but presentation is not proper | In Presentation of Algorithm Consider partial concepts and presented | In Presentation of Algorithm not prepared by concepts | 5 |
| **Data Set** | Data Set Visualization, Analysis and Preprocessing is done properly. | Only Data Set Visualization or Analysis or Preprocessing is done. | Only Data Set Visualization done. | Data Set operation is not done properly | 5 |
| **Model Implementation** | model implementation with good accuracy and predication done properly .  Optimization Parameter Shown | Model implementation, optimization parameter not shown | Model poor predication is done , optimization parameter not shown | Model is not proper and predication is not done , optimization parameter not shown | 5 |
| **Total** | | | | | 15 |

Dr. Rashmi Mahajan

**Course Instructor**

Sign with Date