**Report Template of Project Assignment**

CPE403-CSC403   
Advanced Data Management Techniques (Data Mining)

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| **Group ID** | **01** |
| Student Name 1 | Matriculation No 1 |
| Student Name 2 | Matriculation No 2 |
| Student Name 3 | Matriculation No 3 |
| Student Name 4 | Matriculation No 4 |
| Student Name 5 | Matriculation No 5 |

**Summary of Your Project Status**

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| --- | --- | --- | --- |
| **Options** | **Techniques** | **Brief descriptions** | **Completion Status** |
| **PART 1** | | | |
| K-NN | Basic k-NN | Classification task | 100% Completed |
| **PART 2** | | | |
| K-Means | Basic k-means | Clustering task | 100% Completed |
| **PART 3** | | | |
| Option A | Based on some existing techniques | State which paper(s) for your references | e.g., 100%  Completed or 80% |
| Option B | My new method | Summary your idea briefly in one sentence | e.g., 100% or 80% done |

**Declaration of contribution**

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| --- |
| Member A: Briefly state the contribution of group member A...  Member B: Briefly state the contribution of group member B...  Member C: Briefly state the contribution of group member C...  Member D: Briefly state the contribution of group member D...  Member E: Briefly state the contribution of group member E...  (Alternatively, you may simply state "All members contributed equally"). |

**Declaration** **of Authorship**

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| We/I declare that this assignment is our/my own work, unless otherwise referenced, as defined by the NTU policy on plagiarism. We/I have read the NTU Honour Code and Pledge.  Signatures of Group members:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: |

**PART 1: Implementation of Basic K-Nearest Neighbor Classification algorithm**

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**PART 2: Implementation of Basic K-means Clustering algorithm**

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**PART 3: Making K-means or k-NN Practical for Mining Big Data**

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