Name of the student:		**Roll No.**	
Practical Number:	7	**Date of Practical:**	
Relevant CO's	**At the end of the course students will be able to apply appropriate algorithms for extracting knowledge from given dataset.**		
Sign here to indicate that you have read all the relevant material provided before attempting this practical			**Sign:**

Practical grading using Rubrics

Indicator	**Very Poor**	**Poor**	**Average**	**Good**	**Excellent**
Timeline (2)	Practical not submitted (0)	More than two session late (0.5)	Two sessions late (1)	One session late (1.5)	Early or on time (2)
Code design (3)	N/A	Very poor code design(0)	poor design (1)	design with good coding standards (2)	Accurate Design with better coding standards(3)
Execution (3)	N/A	Very less execution (0)	little execution.(1)	Major execution(2)	Entire code execution (3)
Postlab (2)	Both answers wrong(0)	N/A	One answer correct (1)	N/A	Both answers correct (2)

Total Marks (10)	**Sign of instructor with date**

Practical

Course title: Big Data Analytics
Course term: 2019-2020

Problem Statement: To implement K-means algorithm using map-reduce.

Theory:

Code:

Write map-reduce code to implement k-means algorithm
code for mapper:

Code for Reducer:

Code for Driver Class:

PostLab:
Explain DisCo algorithm of clustering

Answer for postlab question

Explain BoW algorithm of clustering

Answer for postlab question