**CS518 : Computer Vision**

**Report**

**Assignment - 2**

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**Choosing number of Clusters Value :**

* The code was run several times to get the optimum value for the number of clusters, and checked on random small test sets to check the accuracy of the K-Mean algorithm.
* The code was run on some lesser number of images(1/10th of all) to get the initial value of k.
* K was varied from 20 to 120 and the quality of results were produced when we took the value of k around 100.
* The value of k and number of iterations were varied simultaneously, the number of iterations were fixed at 5.