**NAME**

**COLLGE NUMBER**

**CLASS DISCUSION**

The KNN model algorithm is based on the classification and identification of object classes that are almost similar to each other. Taking the case for instance of the Iris dataset, we are able to identify and easily classify the intermediate family of the parent Iris dataset flower. This is done by looking and observing certain characteristics of the flower such as length of sepal, width of sepal, length of petal and width of petal. It is expected that within the Iris dataset, there are different characterise endowed and owned by the flower iris families. These values can be taken and measured and then recorded with an algorithm applied and re-instated. Further, the KNN model will be able to tell a possible classification of a flower so as to check if it belongs to the Setose Virginia or the other species. Lter after this analysis then a forecasting canbe done on the same datset it reveal the potential possible future values.

On the other hand, the use this model can alos be applied at industrial scale to help push the existing business processes, such faster and reliable. For instance, in the industrial scale production of the pharmaceutical drugs, the KNN model has been effectively applied to help classify disease strain based on the characteristics that are most common to the different diseases signs and symptom that are experienced by the patients. For instance, if Malaria as disease elicits signs and symptoms of headache, joints paints, fever and loss of appetite, it’s very easy to classify the disease as Malaria. Any other disease that comes later within similar symptoms can m be classified as malaria.