**Date**: 16th March, 2022

**Abraca-data**

**Weekly Report**

**Tasks performed in this week**

1) Resampled the imbalanced dataset

2) Identified and selected the top ten features that have a larger contribution towards the outcome variable

3) Data splitting and scaling

4) Applying logistic regressor as well as KNN model to predict the output.

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**Outcomes of the tasks performed**

1) The number of positive and negative cases became equal which made the class balanced for model fitting.

2) The dimensionality of the data was reduced to 10 from 13.

3) We will get the confusion matrix and accuracy score of each model on their successful implementation

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**Tasks to be performed in the upcoming week**

1) We will explore various methods for dimensionality reduction of the dataset (such as LDA or PCA). Select and apply a suitable method to the dataset.