**CA707 Data Mining Lab**

**Project Report- Nov 2019**

**Roll No:** 205118048

**Name:** PATRICK TIRKEY

**Title of the Project : Bank Note Classification**

**Dataset Description:**

**Name :** BankNote

**URL :** [**https://www.kaggle.com/sks27199/banknote**](https://www.kaggle.com/sks27199/banknote)

**No of Records:** 1372

**No of Features:** 5

**List all Features( With One Line Description):**

|  |  |
| --- | --- |
| **Feature** | **Description** |
| variance | variance of Wavelet Transformed image (continuous) |
| skewness | skewness of Wavelet Transformed image (continuous) |
| curtosis | curtosis of Wavelet Transformed image (continuous) |
| entropy | entropy of image (continuous) |
| class | class (integer) |

**Type of problem:**Classification

**Algorithm Used:** Naive-Bayes-Classfier

**Evaluvation Metric:** confusion\_matrix and classification\_report

**Accuracy Obtained:** 85.99%

**Using Libraries:** Pandas, Scikit-learn, Numpy, Matplotlib **Your Algorithm:**



**Date Signature**