

USER MANUAL

1.	Collect the signatures in a sheet.
2.	Scan each signature using CamScanner.
3.	Install the software ImageMagick, Opencv 3.4.
4.	Using ImageMagick software, crop the scanned image.
5.	Cropped image has to be pre-processed. The pre-processing includes filtering, noise removal, binarization and edge detection.
6.	The pre-processed image is then subjected to feature extraction which quantifies the significant characteristics of the image.
7.	Note down the extracted values in an excel sheet for each individual sample.
8.	Repeat the previous steps for the forgery samples as well.
9.	Now train the genuine and forgery by selecting dominant feature which would yield the proper results.
10.	Apply the linear classifier and logistic regression for the trained sample.
11.	Given the test input, carryout the same process and give the image for the classifier. The classifier predicts whether the given image is genuine or forgery. Based on the output calculate the accuracy.