The Model uses libraries such as Numpy, Matplotlib, Urllib

The approach used in the project is Quadratic discriminant analysis. The covariance and Mean matrix for each classes are calculated and used to determine the class of test samples

Results of Model on Test Samples.

```
accuracy:  0.8572
accuracy class of  0  =  0.9346938775510204
accuracy class of  1  =  0.6740088105726872
accuracy class of  2  =  0.936046511627907
accuracy class of  3  =  0.8752475247524752
accuracy class of  4  =  0.9093686354378818
accuracy class of  5  =  0.7993273542600897
accuracy class of  6  =  0.8903966597077244
accuracy class of  7  =  0.8638132295719845
accuracy class of  8  =  0.8880903490759754
accuracy class of  9  =  0.821605550049554
```

I couldn’t complete the last part of second question, Everything else is done best to my knowledge.