1)Source Code file name- sourcecode.docx

HOG & LBP features-

hogoutputcrop001034b.txt

lbpoutputcrop001034b.txt

2)Instruction-

Input paths in test train images and run

3)

```
np.random.seed(3)

W1=np.random.randn(hidden_size, input_size)*np.sqrt(2/input_size)
```

4)

Stop after epoch=1000

```
params, cost_, output = fit(X, Y, 0.1, 200, 1000)
```

5)

Epochs to run train perceptron=734

6)Normalised gradient magnitude for test images-gradientoutputs