**Lab 4**

**Image Classification**

Dataset contains 10 different types of images, which are divided into 2 parts, training data (70%) and testing data(30%). Accuracy was very low when my own data was used, however when dataset which was provided in class was used accuracy was 40%.

Predicting test image : zebra as lighthouse

(0.0,3)

(0.0,3)

(5.0,3)

(4.0,3)

(4.0,3)

(4.0,6)

(6.0,6)

(3.0,6)

(8.0,6)

(4.0,6)

(3.0,9)

(8.0,9)

(4.0,9)

(4.0,9)

(8.0,9)

(4.0,2)

(4.0,2)

(4.0,2)

(4.0,2)

(5.0,2)

(3.0,8)

(4.0,8)

(4.0,8)

(4.0,8)

(4.0,8)

(4.0,0)

(4.0,0)

(8.0,0)

(3.0,0)

(3.0,0)

(8.0,1)

(6.0,1)

(6.0,1)

(4.0,5)

(5.0,5)

(4.0,5)

(4.0,5)

(0.0,5)

(8.0,7)

(6.0,7)

(8.0,7)

(4.0,7)

(4.0,7)

(6.0,4)

(3.0,4)

(8.0,4)

(0.0,4)

(3.0,4)

[Stage 338:============================> (1 + 1) / 2]0.041666666666666664

|=================== Confusion matrix ==========================

0.0 0.0 0.0 2.0 2.0 0.0 0.0 0.0 1.0 0.0

0.0 0.0 0.0 0.0 0.0 0.0 2.0 0.0 1.0 0.0

0.0 0.0 0.0 0.0 4.0 1.0 0.0 0.0 0.0 0.0

2.0 0.0 0.0 0.0 2.0 1.0 0.0 0.0 0.0 0.0

1.0 0.0 0.0 2.0 0.0 0.0 1.0 0.0 1.0 0.0

1.0 0.0 0.0 0.0 3.0 1.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 1.0 2.0 0.0 1.0 0.0 1.0 0.0

0.0 0.0 0.0 0.0 2.0 0.0 1.0 0.0 2.0 0.0

0.0 0.0 0.0 1.0 4.0 0.0 0.0 0.0 0.0 0.0

0.0 0.0 0.0 1.0 2.0 0.0 0.0 0.0 2.0 0.0

0.041666666666666664 low.