**Lab 4**

**Image Classification**

Dataset contains of 10 different types of images, which is divided into 2 parts, training data (70%) and testing data(30%).

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.