Mini Project 1

Q.1 Principal Component Analysis

Original Images

Reconstructed Images using first 200 Principal Components

1 D Scatter Plot : Principal Component = 1

First Feature Value of Each Image

2 D Scatter Plot : Principal Component = 2

Second Feature Value of Each Image

First Feature Value of Each Image

3 D Scatter Plot : Principal Component = 3

Mean Squared Error v/s no. of Principal Components