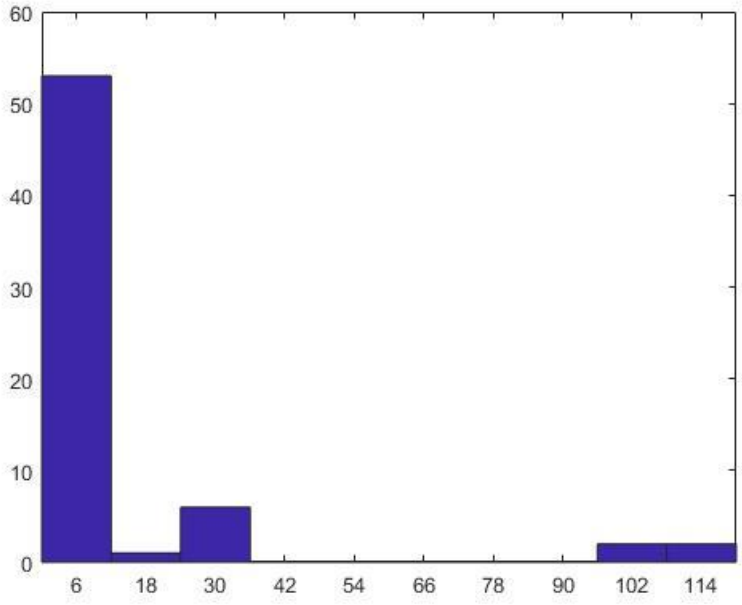
CPS567 Advanced Computer Vision
University of Dayton
Department of Computer Science
Spring 2019
Project-4

1. **[A4.m]** Holistic CSLBP based Output is generated after applying padding and applying CSLBP.

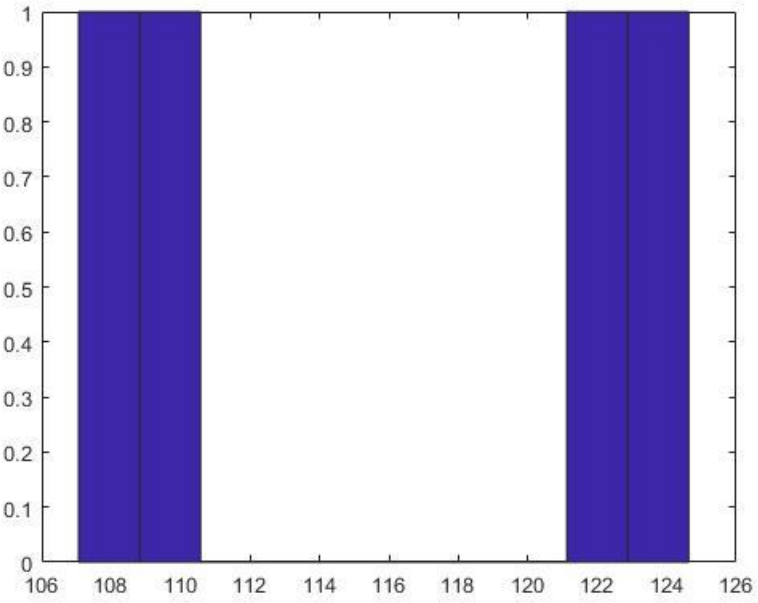
   Input image:

   Output image:

2. **[A4.m]** To implement it, 32 x 32 image is used. So, there will be 4 sub-images of the resolution 16 x 16. So, the feature will be 4 x 16 elements long.
   The L2-Norm will be 4 element long.
   Local CSLBP features: (also look at the terminal for its values)



L2-norm normalization: (also look at the terminal for its values)



3. **[FaceDS.m]** Training is performed using both Positive and Negative datasets. Support Vector Machine (SVM) classifier is used for training the model.
4. **[FaceDS.m]** While testing image **T3.jpg (im = 3)**, that is Mr. John, we are getting the output **"Tested image belongs to "Mr. Jones""**. For the rest of testing images, we are getting the output **"Tested image does NOT belong to "Mr. Jones"".**