Digital Image Processing

Lab Assignment – 4

1. In Figure 1, a basic Local Binary Pattern (LBP) operator is depicted. At each pixel location, calculate the new intensity value based on the following steps. Take 8 neighboring pixel values at radius 1. Compare the intensity value of each neighboring pixel with the center pixel, if $I_n => I_c$, then $I_n = 1$ otherwise $I_n = 0$. Take the decimal value and replace it as the new intensity value at the center pixel location. Apply this operator on "image2.jpg".
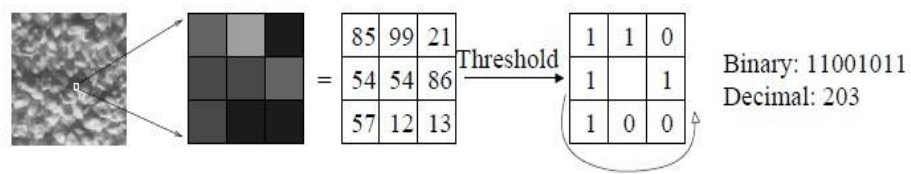

Fig. 1.   The basic LBP operator.

2. Apply appropriate image enhancement techniques to remove blurriness from "image1.jpg".