The model relies on the statistical properties calculated from integral projection of image as features for performing classification. The eight statistical features are computed from the aforementioned 60 features of integral projection are given as follows:

• *X\_Min1* and *X\_Min2*: minimum values of IPs along x-axis and y-axis of an image

• *X\_Max1* and *X\_Max2*: maximum values of IPs along x-axis and y-axis of an image

• *X\_Mean1* and *X\_ Mean2*: average values of IPs along x-axis and y-axis of an image

• *X\_Std1* and *X\_ Std2*: standard deviations of IPs along x-axis and y-axis of an image