Training workshop on
MACHINE VISION (IMAGE PROCESSING FUNDAMENTALS)

Assess yourself to find out whether you need to attend this workshop (tick the appropriate box):

Question	Yes	No
I understand the principle of digital image convolution		
I know the difference between contrast stretching and histogram equalization		
I know how to apply first and second order gradient edge operators to detect edges		
I understand the effect of gamma correction on images		
I know how to detect straight lines using Hough transform in OpenCV-Python		
I know how to apply multi-level thresholding to segment an image		
I know how to remove dead and stuck pixels in an image		
I know the difference between binary and grayscale morphological operations		
I know how to sharpen an image using unsharp masking		
I know how to determine properties of objects within image, such as centroid, bounding-box, area etc.		
I know the difference between dilation and erosion morphological operation and their applications		
I know how to write OpenCV-Python codes for simple rule-based classification		
I know how to write OpenCV-Python codes to detect defects on a PCB		
I know the difference between global, adaptive and Otsu's thresholding methods		
I know how to write OpenCV-Python codes to read resistor code		

IF YOUR ANSWERS TO AT LEAST 8 OUT OF THE 15 QUESTIONS ARE 'YES', YOU ARE PROBABLY WELL INFORMED IN IMAGE PROCESSING AND NEED NOT ATTEND THIS TRAINING 😊