VISIÓN ARTIFICIAL

Práctica 9. Template Matching

Ingeniería en Mecatrónica
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CÓDIGO:

```
import cv2
import numpy as np
img_bgr = cv2.imread('opencv-template-matching-python-tutorial.jpg')
img_gray = cv2.cvtColor(img_bgr, cv2.COLOR_BGR2GRAY)
template =
cv2.imread('opencv-template-for-matching.jpg',0) w, h =
template.shape[::-1]
res = cv2.matchTemplate(img_gray, template,
cv2.TM_CCOEFF_NORMED) threshold = 0.7
loc = np.where (res >=
threshold) for pt in
zip(*loc[::-1]):

 cv2.rectangle(img_bgr, pt, (pt[0]+w, pt[1]+h), (0,255,255), 2)
cv2.imshow('detected',img_bgr)
```