HIXAA

EXELLENCE IN AUTOMATION
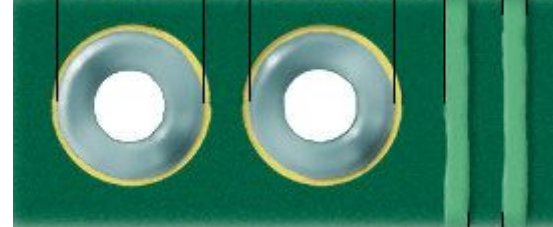
Confidential Document

Problem Statement - Goal

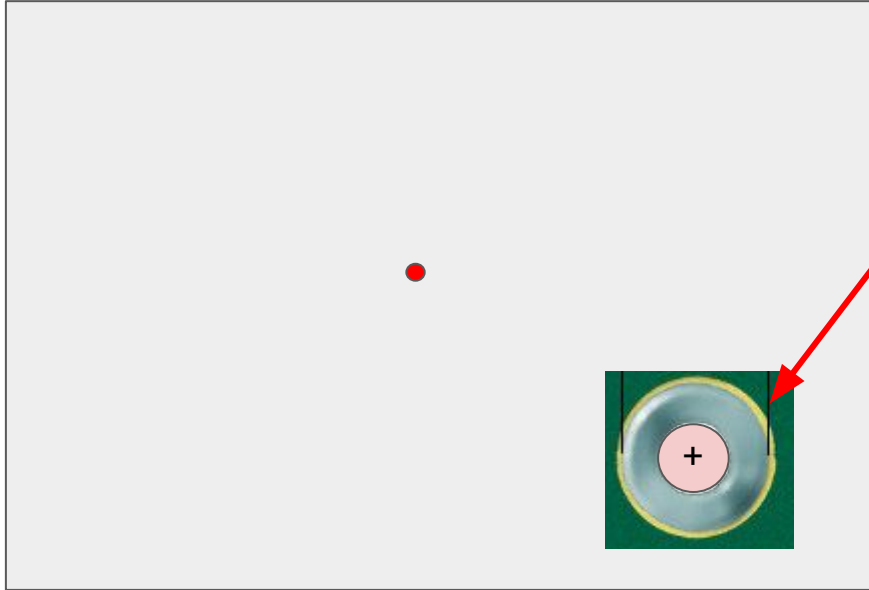**Camera display**

Virtual Dot on Coordinate/ Target

Consider Object Under Camera

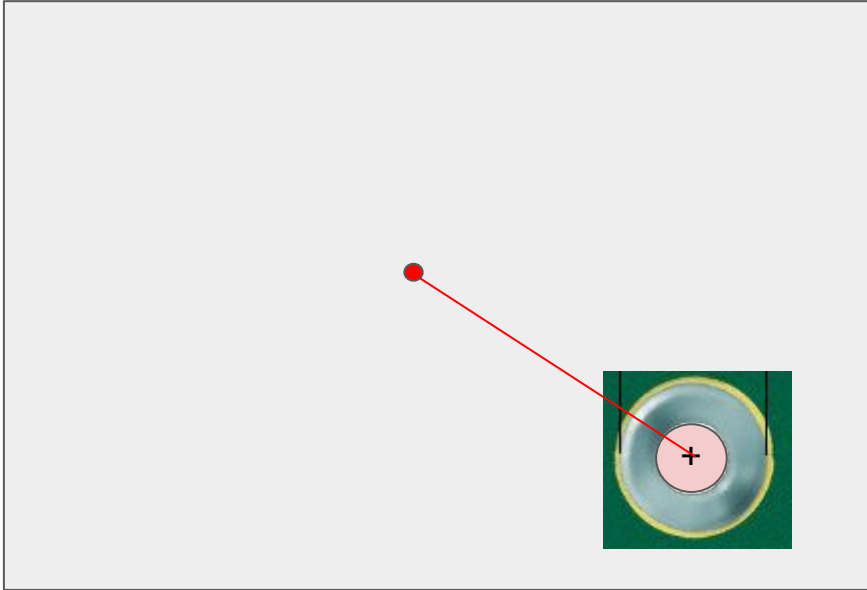# Problem Statement - Goal

Camera display

Whenever Object Detects on Camera Display, Algorithm should capture the median
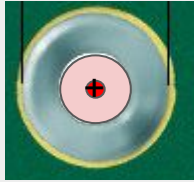
Problem Statement - Goal

Camera display

Algorithm should guide to reach the median to virtual dot.

When both the dots are not matching the Value of Target signal will be False

Problem Statement - Goal

Camera display

Once median reaches to virtual dot or Target, Algorithm should give True to the Target Signal.

Software Requirements

Python 3.6 and above

OpenCV

Tkinter for UI

Note : Provide facility to change the Virtual Dot/Target to set.

Provide facility to train the object to calculate the median.