DMET 1002 – Advanced Media Lab
Mini Project 2

Circular Object Detection

Project Description:

For generic object detection, there exists multiple algorithms to tackle the issue.

In this project, you are asked to implement a simple circle detector.

Task 1

You need to follow the following steps in order to perform the prior mentioned task:

1. Read the video

2. Find a suitable and simple way to detect *__ONLY__* the blue circles in the given video.

3. In each image, extract the circles and their information (radius, centers)

4. Draw a bounding box around the detected circles

5. Save an output color video of the circles with the bounding boxes around them

Submission Details:

The deadline for the submission is on the 22nd of May 2022.

Your code is to be documented with comments and submitted along with the output video.

Your project should be sent as google drive link to this email:

mohamed.ihab-sabry@guc.edu.eg

Good Luck ☺