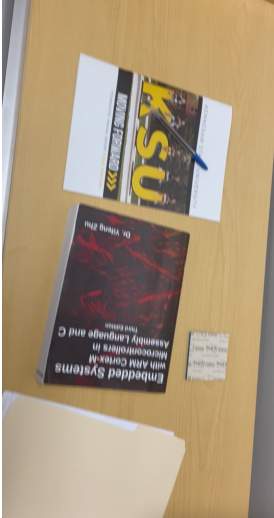
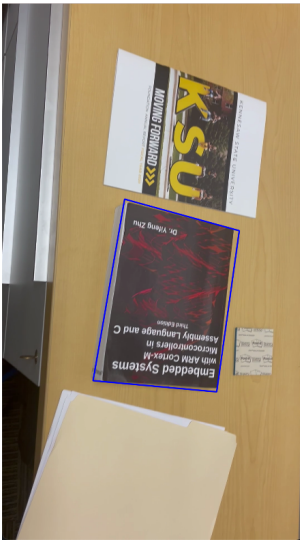


MTRE 6100, Homework #3
(Due Friday, September/17/2021)

Please use **Python and OpenCV** to create a program that detects a book in the attached video (“BookScene.MOV”). The photo of the book is also attached as “Book.png.” The video is taken by a phone for the book on a messy desk, and the typical scene looks like the following figure:



Please create a program to detect the book in the video, and draw the detected book in a colored (i.e., blue, red) rectangle and show it again, and the expected output screenshot should look like the following figure:



Deliverable:

1. A Simple report with at least ten screenshots of success detected book in the video. (You can also upload a small part of the video includes the detected book in the scene).
2. Your codes.

