

# RO-1.0X

## Assignment 12

### Feature Detection

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#### Problem Statement:

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- **Given file is**
    - “assignment\_12.jpg”,
  - **Tasks**
    - Implement **Harris Corner Detection Algorithm** from scratch.
  - **To Submit**
    - “output\_harris.jpg”
    - “harris.py”, “main.py”
      - *Create a class based implementation in “harris.py” and call each operation in “main.py”*
    - “threshold.txt”
      - *The threshold value, that has been chosen to consider a point as a corner point.*
    - “output\_harris\_cv.jpg”
      - *Use OpenCV’s harris corner detection function and compare your result with the same.*
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- To submit the assignment put both the files in a folder named **username**, where **username** is your user name with which you signed up at DeepEigen.
    - Submit **username.zip** file