

## Read Me

Please find the following folders within the folder that contains this Read Me file.

- First Folder is Installation\_Instructions
  - Please find the Prerequisites.pdf file in this folder
  - Follow the instructions in the file to install and verify your installation of the following softwares
    - Python
    - Numpy
    - OpenCV
- Second Folder is Test\_Setup
  - Please find the following files in this folder
    - fileImage.py
    - camImage.py
    - camVideo.py
    - lion.jpg
  - First, run the file fileImage.py as demonstrated in the fileImage video tutorial, which can be found on the Portal(under “Task 0”) and on the DVD(in the folder Fundamentals >> fileImage). You should see a window named “window” and an image of a lion. Press “Esc” to exit.
  - Second, run the file camImage.py as demonstrated in the camImage video tutorial, which can be found on the Portal(under “Task 0”) and on the DVD(in the folder Fundamentals >> camImage). You should see a window named “window” and a snapshot from the camera. Press “Esc” to exit.
  - Third, run the file camVideo.py as demonstrated in the camVideo video tutorial, which can be found on the Portal(under “Task 0”) and on the DVD(in the folder Fundamentals >> camVideo). You should see a window named “window” and the video output from the camera. Press “Esc” to exit.
  - Upon verifying that the 3 scripts are running, record a 10 second video using your camera/phone. The video must be as follows:
    - Must show one of the team members running the 3 scripts
    - Must show the camera (given by e-Yantra) and the output on the computer screen, thereby demonstrating that the output is indeed the one captured by the camera shipped to you.

Upload the video as instructed in the "Task 0" tab on the Portal Interface.