**Readme File**

Project Class structure

* Name - **ImageEnhancement**
* Functions inside class are:
  1. read\_image
  2. brighten\_image
  3. contrast\_image
  4. sharpen\_image
  5. deskew\_image

Role of each Function inside class **ImageEnhancement**

1. function ***read\_image*** ***(self)***
   * Function to read the image from the system
   * Library used to read the image is ***OpenCV***
   * Image location path = project\_image\_enhancement.py file path i.e module file and image to be read, both are stored at same location
   * Function reads the image, displays the same on desktop.
   * **Return** -> image i.e. the image which we read from the system
2. Function ***brighten\_image******(self, image)***
   * ***image*** parameter –> return/output of ***read\_image*** function
   * Library used to read the image is ***PIL/Pillow***
   * After lots of random values, we choose **1.1** as the best value for brightening the image
   * **Return** -> bright\_image i.e. the image which is brightened
3. Function ***contrast\_image*** ***(self, bright\_image)***
   * ***bright\_image*** parameter ***->*** *output of* ***brighten \_image*** *function*
   * Library used to read the image is ***PIL/Pillow***
   * After lots of random values, we choose **1.3** as the best value for the contrast of the image
   * **Return** -> contrasted\_image i.e. the image which has balanced contrast
4. Function ***sharpen\_image*** ***(self, contrast\_image)***
   * ***contrast\_image*** parameter -> *output of* ***contrast\_image*** *function*
   * Library used to read the image is ***PIL/Pillow***
   * After lots of random values, we choose **3.0** as the best value for sharpening the image
   * **Return** -> sharpened\_image
5. Function ***deskew\_image*** ***(self, sharpened\_image)***
   * ***sharpened\_image*** parameter ***->*** *output of* ***sharpen\_image*** *function*
   * Library used to read the image is ***OpenCV***
   * **Return** -> deskewed\_image Image with corrected skewness