**Title:** Introduction to OpenCV in Python 3.X

**Duration:**  1:30-2 hours

**Course Motive and Importance:** Computer Vision is one of the most interesting domains in AI. With the increase in use cases for computer vision such as Face Recognition, Object Detection/Tracking, Image Classification, etc. it is set to become one of the hottest field in the upcoming years. This course aims to help participants get started with OpenCV in Python so that they could use it to solve their computer vision problems.

**Course Content:**

1. What is Computer Vision? Some important Computer Vision Areas.
2. What is OpenCV? Why do we use OpenCV?
3. Installing OpenCV.
4. OpenCV Reading and Writing Image Files from Local System (Code Along)
5. Writing or Drawing on Images using OpenCV (Code Along)
6. Cropping Areas out of images (Code Along)
7. Writing your first OpenCV Script – Streaming Camera from your webcam and grayscaling the images (Code Along)
8. Common OpenCV Functions to work with while using Webcams (Code Along)
9. Working with VideoFiles in OpenCV (Code Along)
10. Face Detection using DLIB and OpenCV (Code Along)
11. Face Landmark Detection using DLIB and OpenCV (Code Along)
12. Face\_Recognition Package in Python for simple Face Recognition (Code Along)
13. More Learning Resources (YouTube Channels and Playlists)
14. QnA