

## **e-Yantra Robotics Competition (eYRC 2019-20)**

### **OpenCV Python**

#### **Introduction**

**OpenCV** is an open source computer vision and machine learning software library. The library has more than 2500 optimized algorithms, which includes a comprehensive set of both classic and state of the art computer vision and machine learning algorithms. These algorithms can be used to detect and recognize faces, identify objects, track moving objects, stitch images and lot more. It has C++, C, Python, Java and MATLAB interfaces and supports Windows, Linux, Android and Mac OS. **OpenCV-Python** is the **Python API** of **OpenCV**. It combines the best qualities of OpenCV C++ API and Python language. Libraries like **Numpy**, **SciPy**, **Matplotlib** in **OpenCV-Python** makes it an appropriate tool for fast prototyping of computer vision problems.

Learn **OpenCV-Python** from the following tutorials:

- Introduction to OpenCV [[Click Here](#)]
- GUI Features in OpenCV [[Click Here](#)]
- Core Operations - Basic and Arithmetic Operations on Images [[Click Here](#)]