**e-Yantra by IIT Bombay**

**Resources:**

**Task 1A-**

Python:

<https://www.youtube.com/watch?v=kqtD5dpn9C8>

PID controller: <https://www.youtube.com/watch?v=wkfEZmsQqiA&list=PLn8PRpmsu08pQBgjxYFXSsODEF3Jqmm-y>

**Task 1B-**

Import raster (image) data to QGIS:

<https://www.youtube.com/watch?v=l5UQekQzemE>

Changing reference system of layers imported:

<https://www.youtube.com/watch?v=ebZ40bFfZWc>

Using georeferencer tool in QGIS:

<https://www.youtube.com/watch?v=jKLBFddpTGI&t=178s>

Adding open street map and google satellite image in QGIS:

<https://www.youtube.com/watch?v=kL-IEn22z8E>

**Task 2B-**

Official documentation of OpenCV:

<https://docs.opencv.org/4.x/d6/d00/tutorial_py_root.html>

Basics of OpenCV:

<https://www.youtube.com/playlist?list=PLzMcBGfZo4-lUA8uGjeXhBUUzPYc6vZRn>

**TASK 2C-**

Reading Images from drone camera to process using OpenCV:

<https://automaticaddison.com/working-with-ros-and-opencv-in-ros-noetic/>

<https://dabit-industries.github.io/turtlebot2-tutorials/14b-OpenCV2_Python.html>