**EEE 508: PROJECT README FILE**

Compilation and Execution Instructions

Environment Used:

Ubuntu 14.04

OpenCV 3.2.0

1. Copy all the data input folders i.e. “data1”, “data2”, “data3” ,“data4”, “data5” and “data6”. and also the main.cpp file in to one directory

2. Go to that directory execute the below command:

g++ main\_code.cpp  -o output2 ‘pkg-config --cflags --libs opencv’

3. Then run the program as below:

  ./output2  orb ./data1  --> for orb to perform stitching on data1 images

 ./output2  surf ./data2  --> for surf to perform stitching on data2 images

4. The stitched image will then be displayed.

Other information:

1. The input data that are used are in this folder titled: “data1”, “data2”, “data3” ,“data4”, “data5” and “data6”.
2. The corresponding output data is in the folder “Output\_data”.
3. The code used is an adaptation of: <https://ushaalluri.wordpress.com/2015/09/17/image-stitching-using-opencv-library/> and <http://kushalvyas.github.io/stitching.html>.
4. The source code is titled “main\_code.cpp”. It has the appropriate comments.