**Weekly Report (9 march)**

We have decided to proceed with the Columbia University Image Library or the COIL-100 dataset, The dataset contains 7200 color images of 100 objects (72 images per object). The objects have a wide variety of complex geometric and reflectance characteristics. The objects were placed on a motorized turntable against a black background. The turntable was rotated through 360 degrees to vary object pose with respect to a fxed color camera. Images of the objects were taken at pose intervals of 5 degrees.This corresponds to 72 poses per object we have also finalized our approach we will be specifying or deciding a fixed pixel of an image and then we will be tracking the change in the position or coordinates of that pixel for every angle of rotation and then mapping it to the reported angle from OpenCV and then we will observe the values and create a dataset it which we will further utilize for mapping and modelling. However, due to our lack of experience with programming we are struggling in translating what we want to do into python. I.e difficulty in assigning specific pixel and difficulty In tracking its positions. We will be taking advice from our faculty in the following week for the same.