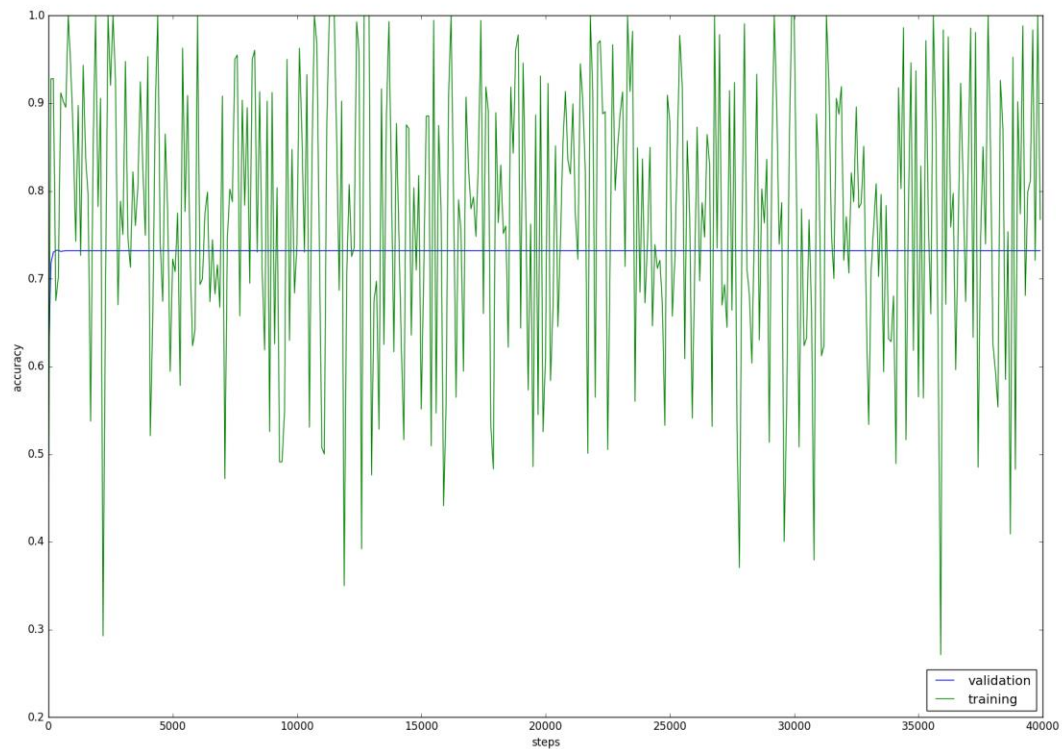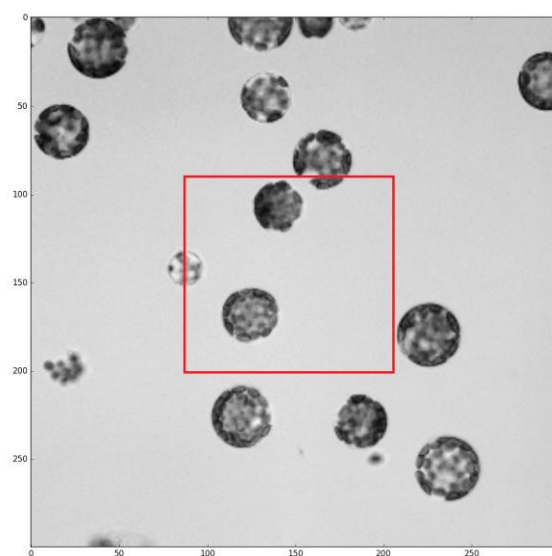# Exercise 4 Report

This exercise involved the implementation of U-Net architecture for image segmentation. There were 4 down sampling layers, followed by 2 convolutional layers and then 4 up sampling layers where the input image is cropped and segmented accordingly. The training and validation accuracy were plotted. Training accuracy had huge fluctuations ranging between 0.3 and 1. However, the validation accuracy became constant after specific number of epochs. The accuracy plots are as follows

The compared images and their results are as follows

Original Image

Segmented Image