**IT4060 – Machine Learning**

**Lab 9 – Clustering**

1. Download the DBScan python notebook from the following link and change the radius and MinPts to see how the outcome varies. Refer the scikit learn documentation to understand the given metrics.

<http://scikit-learn.org/stable/auto_examples/cluster/plot_dbscan.html>

1. Download the following python notebook and vary the distance function to average, complete-link and single link. You may refer to the sci-kit learn documentation.

<https://scikit-learn.org/stable/auto_examples/cluster/plot_coin_ward_segmentation.html#sphx-glr-auto-examples-cluster-plot-coin-ward-segmentation-py>

**Submission:**

Upload the resulting python notebooks and output images (screenshots) as a single zip file to the courseweb link. The file name should be your registration number.

If your submission is greater than 10 MB, you may use dropbox to upload the submission and the link to the shared folder can be mentioned in a text file that should be uploaded to courseweb. The text file name should be the registration no.