**Artificial Intelligence in Enterprise Systems**

**Lab #2 – Cloud**

**Value:** 10%

**Due:** End of Week 7

**Introduction:**

You have learned about cloud technologies. In this lab, you will have hands-on experience in various cloud technologies.

**Instructions:**

Step 1: Marks: 10

Create user accounts in Google, AWS and Azure platform

Step 2:

Review key features of these Platform and select one of them as your working platform. Justify your selection. Marks: 10

Step 3: Marks: 10

Configure a virtual machine (VM) in your selected platform

Step 4: Marks: 10

Run your VM and create a folder in your machine.

Step 5: Marks: 10

Write a basic python program to perform basic math operations of two variables

and save that program in the folder

Step 6: Marks: 10

Create a repo in your remote git host

Step 7: Marks: 10

Push your new code in that repo

Step 8: Marks: 10

If AWS is your cloud, navigate to your SageMaker and create a Notebook instance in SageMaker

If you are not using AWS, Navigate to Google Colab

Step 9: Marks: 10

Create Jupyter Notebook in SageMaker/ Google Colab

Perform basic math operations in the notebook

Step 10: Marks: 10

Upload load your notebook in your git repo

**Submission:**

Submit a report identifying all the activities using dropbox or DC connect

**This assignment relates to the following Course Learning Outcomes:**

CLO-2: Write industry standard code and use git to work in agile environment for developing enterprise AI products

CLO-4: Perform various analysis using enterprise cloud solutions such as AWS, Google and Azure Cloud services

CLO-6: Develop and deploy Enterprise AI solution pipeline using various technologies (i.e., Local, Dockers, Heroku or cloud)