**CS5542 Big Data Apps and Analytics**

**LAB ASSIGNMENT #4**

**Lab Submission through the following link before 2017/2/16(Th) 11:59PM.**

[**https://goo.gl/forms/L5NVqbdwBwkwK2n13**](https://goo.gl/forms/L5NVqbdwBwkwK2n13)

1. **Spark Programming:**

**Write a spark program for the following Machine Learning Tasks.**

Create your own dataset for Image Classification Problem. Use the workflow as discussed in the Tutorial 4 Session using Decision Tree Algorithm. Report the accuracy and confusion matrix obtained.

In the Wiki Page, include a brief description of your dataset and purpose behind image classification problem

1. **Google Conversion API (Optional: Bonus Points)**

Build a simple application to have a conversion about the summary you had generated about your video in Lab Assignment 3 Video Annotation.

Submit your Github project for Lab Assignments with source code, input and output data and wiki page containing the report for your lab Assignment.