**CS5542 Big Data Analytics and App**

**LAB ASSIGNMENT #8**

**Lab Submission before 2017/3/15(W) 11:59PM.**

* Follow the guidelines for uploading assignment to GitHub
* Submit the screenshots of the task under documentation folder in GitHub and push the code to Source folder in GitHub
* **No late submissions** (penalty or not) will be accepted.
* Create **wiki page** for report and include **images in wiki page**
* Submit your Github project for Lab Assignments with source code, input and output data and wiki page containing the report for your lab Assignment. [**https://goo.gl/forms/L5NVqbdwBwkwK2n13**](https://goo.gl/forms/L5NVqbdwBwkwK2n13)

1. **TensorFlow Programming:**

**Write a TensorFlow program for the following Task.**

* 1. Implement SoftMax Classification for Image Dataset that is not covered in class. Report accuracy,
  2. Visualizations(Tensor Board): training and testing both.

Reference: <https://www.tensorflow.org/programmers_guide/reading_data>

In the Wiki Page, include a brief description of your dataset and your approach/results for this task.

1. **Develop a Cardboard App that is relevant to your own project**

360 Video Viewer with an additional feature such as

* 1. Spatial audio:
     1. <https://developers.google.com/vr/android/spatial-audio>
     2. <https://developers.google.com/vr/ios/ndk/reference/group/audio>
  2. Head tracking.
     1. https://developers.google.com/vr/ios/ndk/reference/group/headtracking
  3. User input event handling.
     1. https://developers.google.com/vr/android/samples/treasure-hunt#handling\_inputs
  4. Game:
     1. https://developers.google.com/vr/android/samples/treasure-hunt