**CS5543 Real-Time Big Data Analytics**

**LAB ASSIGNMENT #5**

One submission per Project Team

Lab Submission through the following form before 9/28 (W) 11:59PM.

https://goo.gl/forms/HGJ0VR8U2dH1K9Yv1

Development of Video Classification Application

Implement a video application similar to Lab 4 for an interesting use-case related to your project. Use your own Classification Model based on Random Forest / Decision Tree built on Spark MLLib and annotate the frames (for any given video or webcam) with bounding box and text. Report F-Measure, Precision, Recall and Confusion Matrix.

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

Submit a 1-2 min panapto video on blackboard showing your implementation with brief explanation.