

CS5543 Real-Time Big Data Analytics

LAB ASSIGNMENT #3

One submission per Project Team

Lab Submission through the following form before 9/14 (W) 11:59PM.

<https://goo.gl/forms/HGJ0VR8U2dH1K9Yv1>

Development of Video Processing Application

1. Dextro makes videos discoverable, searchable, and curatable using machine learning. Implement an application for video annotation using the Dextro REST API.
<https://www.dextro.co/>
2. Implement a video application using shot transition (called the key frame detection) technique covered in Tutorial 3 for an interesting use-case related to your project. Construct a short video using key frames. Also, generate the metadata (such as video length, number of frames, main frames).

For Example,

Given a video of 4 minutes with 1000 frames is reduced to 1 minutes with 250 frames using video production and key frame detection.

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