

# CS5543 Real Time Big Data Analytics

## Project Proposal

**Project Title:** Read Video

**Team Number:** 5

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### **Project Goal & Objectives:**

#### **Motivation:**

Now-a- days there is a lot of redundancy and complexity in the video's which is becoming difficult for a normal person to understand it. There must be a method where without fully understanding the primary purpose of the video and its semantics we should be able to make the viewers understand what the video is all about. Our project provides a perfect solution to this problem wherein we analyze the video content and provide a framework of computational models based on the viewer's interest and also provide a brief summary of the video. Video summarization also reduces the time required for understanding the content in the video. We have chosen the domain as Swimming for this project.

#### **Significance/Uniqueness**

The main understanding of our project is to provide even the minute details that are present in the video. We basically take a swimming video and provide the details like when the task has been started and when it was completed, with in how much time the task has been completed, who has won the game. The details like the depth of the pool, number of members participating, the name and country of the person who won the game can also be provided.

#### **Objectives**

The main objective of our project is to better understand the video and provide the summarization to the viewer in very less time. This majorly saves the viewers time and he/she could probably understand the content of the video in a better manner.

#### **System Features**

The feature of our project are as follows:

- Gives the time taken to complete the task for the chosen video
- Winner and runner details
- Depth of the pool and number of members participating in the game
- Name and country of the winner and runner

## **Backup Project**

The backup project video summarization of the game cricket. The main moto of this project is to find number of boundaries, total number of runs and wickets and also to analyze the movement of the player. Which countries are playing the match and can also identify the players based on their numbers. Updated score, number of overs remaining can also be analyzed.

## **Bibliography**

<http://ieeexplore.ieee.org/document/4808848/?arnumber=4808848>

<http://ieeexplore.ieee.org/document/4756096/?arnumber=4756096>

<http://www.tandfonline.com/doi/abs/10.1080/02643290600576595>