A REPORT ON

Topic Name

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE, IN THE PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE

BACHELOR OF COMPUTER ENGINEERING

SUBMITTED BY

[Name (Roll No.)]

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FOR THE AUDIT COURSE-7

Department of Computer Engineering

P.E.S Modern College of Engineering

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Chapter 1
Course Introduction

Viewpoint is a position giving a good viewpoint or a person's opinion or point of view. Viewpoint recommendation system recommends a viewpoint to the user for capturing high quality photographs. Image segmentation is the process of partitioning the digital image into multiple segments. The goal of image segmentation is to simplify and/or change the representation of an image into something that is more meaningful and easier to analyze. For extracting visual word from the images captured at location image segmentation is used. Different algorithms are used for Image segmentation to generate a small superpixel. The obtained superpixels are merged based on their color similarity to form segments termed as visual words.

Chapter 2
Course Features

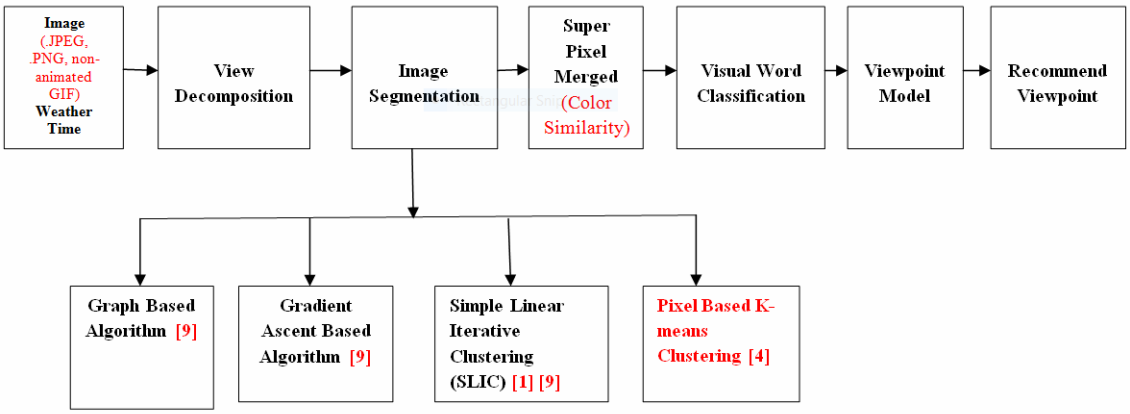

Figure 3.1: Viewpoint Recommendation System Architecture

Chapter 3
Course Benefits

Chapter 4
Course Screenshots and Scorecard

Chapter 5
Conclusion

- By using the parameter under segmentation error, the value of PKM is same as SLIC for 256 clustering center, for 512 clustering center increased by 2, for 1024 clustering center is same and for 2048 clustering center increased by 10.
- By using the parameter precision, the value of PKM for 256 clustering center is increased by 2, for 512 clustering center increased by 8, for 1024 clustering center increased by 6 and for 2048 clustering center increased by 12.
- By using the parameter recall the value of PKM is same as SLIC for 256 clustering center, for 512 clustering center increased by 6, for 1024 clustering center it is less and for 2048 clustering center increased by 2.
- By using the parameter under segmentation error, precision and recall the pixel based k-means algorithm is better.