PUNE INSTITUTE OF COMPUTER TECHNOLOGY

DHANKAWADI, PUNE – 43

UG SEMINAR ABSTRACT

Academic Year: 2019-20

DEPARTMENT: COMPUTER ENGINEERING

Seminar On: Automatic Caption Generation for News Images

By : Name of student **Roll No**. 3101

1. Name of The Topic: Dynamic Image Description Generation with Image Annotation

2. Topic wise contents: 1.Introduction
   2.Image Description Models
   3.Caption Generation
   4.Conclusion

3. References Used:

1.A. Vailaya, M. Figueiredo, A. Jain, and H. Zhang, “Image Classification for Content-Based Indexing,” IEEE Trans. Image Processing, vol. 10, no. 1, pp. 117-130, 2001.

2. A.W. Smeulders, M. Worring, S. Santini, A. Gupta, and R. Jain, “Content-Based Image Retrieval at the End of the Early Years,” IEEE Trans. Pattern Analysis and Machine Intelligence, vol. 22, no. 12, pp. 1349-1380, Dec. 2000.

Date: _____

Student

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REMARKS BY UG SEMINAR CO-ORDINATOR:

Date: _____

UG Seminar Coordinator

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Abstract:. Automatic description generation from natural images is challenging problem that has recently received large amount of interest from computer vision and natural language processing communities. Model used for automatically generating captions for news images, support development of news media management and many multimedia applications. In the existing method, the captions for the news images are given manually by reading the text content. Thus, the caption generation task requires human involvement and hence a time consuming process. Two-stage framework required for automatically generating captions for news images are content selection and surface realization. Here the extractive and abstractive models for generating short, meaningful and precise captions for the news image are used. This model does not require manual annotation of images as well as reduces the need for human supervision.

Keywords: Caption generation, image annotation, summarization, topic models,surface realization, fuzzy logic ,extractive and abstractive model

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Date:

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UG Seminar Guide

(Prof.)