Abstract

We present an implementation of a search engine that searches videos based on its textual content. The system consists of four parts video processing, spell correction, indexing and searching. The video processing is done by dividing the video into frames and extracting text out of it. Lecture videos, news having some textual content in it show good results.

References

- Huizhong Chen, Sam S. Tsai, Georg Schroth, David M. Chen, Radek Grzeszczuk and Bernd Girod, "Robust Text Detection In Natural Images With Edge-Enhanced Maximally
Stable Extremal Regions ,"Video OCR for Indexing and Retrieval
IEEE International Conference on Image Processing (ICIP), 2011.
- Liu, T. Choudhary, "Content Extraction and Summarization of Instructional Videos," in IEEE, 2006
- Zi Huang1 Yijun Li2 Jie Shao1 Heng Tao Shen1 Liping Wang1 Danqing Zhang3 Xiangmin Zhou1 Xiaofang Zhou1, "Content-Based Video Search: is there a need, and is it possible," in IEEE, 2008

**Index Terms**

Computer Science

Pattern Recognition
Keywords
Indexing  Retrieval  Video  OCR  Searching  Search Engine  Apache Solr.