SVPM's College of Engineering,Malegaon BK

Department Of Computer Engineering

Seminar Abstract

Text Recognition from Web Videos

Video is major source of visual or sensory data because of this intelligent analysis of video data is currently in wide demand. For multimedia understanding and retrieval video text extraction plays an important role. Most previous methods are conducted within individual frames. A few of recent research efforts, pay attention to text tracking using multiple frames. The framework which we have proposed in this paper is generic Bayesian-based framework of tracking based Text Detection and Recognition (TTDAR) from web videos for embedded captions. Which performs both tracking based text detection and tracking based text recognition in a single unified pipeline. This framework composed of three components, which are text tracking, tracking based text detection, and tracking based text recognition.

In this unified framework text tracking is first conducted by novel tracking by detection. Then tracking trajectories are revised and refined with detection or recognition results. Then detection and recognition is done with multiple frame integration. A challenging video text (embedded caption text) USTB-VIDTEXT database is constructed which is publicly Available,many experiments on this dataset verify that our proposed framework largely improves the performance of text detection and recognition from web videos.

Presented By	Under Guidance Of	HOD(Computer Dept)
Harshada Deokar	Prof.Sawant V.V	Prof.Kumbhar H.R