

Lecture Summarization using Video Processing and Automatic Text Summarization

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Abstract:
Nowadays machine learning has achieved a lot of success in technical fields. One of these is video processing but text is recognized which is in a computer readable format, our paper is focusing on detection of handwritten text and summarizing the document for which we found a better result with some methods which are clearly explained in this paper. This paper is following three modules to achieve the better result as from video selecting keyframes without losing whiteboard data, after selecting keyframes to identify the text which is a difficult task can be achieved. Preparing short notes with more accuracy is required for that this paper shows some ML libraries. These paper will give us a brief idea about which methods are used for modules to achieve a good accuracy.

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I. Introduction
In today's world, AI is changing the way how things work. One such application of this new age technology is Video Summarization i.e. finding most relevant data from frames of video and converting it to a summarized document. Automatic summarization of text is a method of making a document short with the help of software to create a summary which includes the important points present in the original document. Video summarization helps people to navigate through large videos and retrieve the important information or sentences which are most relevant to the requirements. In a general for processing video summarization system they select the image frame and extract that features and then most important frames are selected after analysing accumulated motion of the user and from the voice with comparing to prior frames. Most of this video processing basically relies on some features which are used globally such as color, texture, motion

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