

CLE SEMINAR SERIES-III

Topic: Urdu Text Caption Detection from News Videos

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Abstract:

In Urdu news videos, news captions are normally written using Nastalique writing style which is complex due to its characteristic. The presented technique extracts the news captions from videos. The text of the caption does not require to be horizontally or vertically aligned. The presented technique segments the news video into frames which are further processed to extract the news captions. The corner points based approach is used for the detection of Urdu text captions from segmented frames. After computation of the corner points, the textual features are applied to mark the news caption areas in the frames. The system is tested on the three videos having 786 textual frames. The textual frames detection accuracy is 100% whereas non-textual frames detection accuracy is 59%.