

CSL404: Project ReadMe

Fire Detection in Video

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Guidelines:

- Experimentation is done in MATLAB R2014a
- For efficient running of project, test clips should be less than 360p quality.
- Folder 'fire_clips' contains all the test clips used for this project. It has 4 sub folders:
 - tp : contains true-positive clips(clips contain fire and algorithm detects)
 - tn: contains true-negative clips(clips do not contain fire and algorithm does not detect)
 - fn: contains false-negative clips(clips contain fire but algorithm does not detect)
 - fp: contains false-positive clips(clips do not contain fire but algorithm detects)
- To load a clip use 'VideoReader' command

obj=VideoReader(<path to clip>) e.g

.

obj=VideoReader('fire_clips/tp/tp_2.mp4') //reads the video and returns a video object

- To run project, pass the video object to 'ProjectDriver'

ProjectDriver(obj) // will run the project and display the output