Following is the procedure to run the .m files

First run the BackgroundSubtraction function on training images. Then pass the code book generated in step 1 to the function temporalFiltering and then use the ytest imahge as input to the BSGF function and the new code book generated in step 2.

function M = BackgroundSubtraction(N, alpha, beta,drs,epsi)

where, N = number of frames

drs = directory path

epsi = threshold

alpha, beta = intensity constants.

function M = BSG(novel, file, epsi,alpha,beta)

where,

novel = the collection of code books after temporal filtering

file = the test image

epsi = the threshold for colordistance

alpha, beta = intensity scalars

function novel = temporalFiltering(w, N)

where,

w = codebooks

N = number of frames. The threshold is selected as N/2 as recommended by authors.