## FORGROOM SURRON

Date:	30/5/2020 Name: Sneha. 9
	Python USH: 4AL18ECOSO
	Bueld a webcam Sim, Sec: 14, A
	motion detector.
Githerb:	Sneha-919
,	Report:
	Main logse:
	Videos can be treated as stack of pictures called
	frames. Here compasing different pictures to the first
	frame which should be static. We compare two
	Emages by compasing the intensity value of each
	prices. In pethon it can be done using the following
	cade:
	# Python program to implement
	# Webcam Mottor detector
	# Importing Opena, time & Pandas library
	Impost cva, time, pandas
	I Importing datetime class from datetime library
	from daletine Import dateline
	gratic - back = None
	FASSEgning our static back to home
	Il dest when any moving object appear

anotion-leat = [none, none]
# time of movement
time : []
I intializing data frame, one column to short
Al time & other columnis and time
dj = pandas. Data Frame (columns)
to capturing video
Mideo : cxa. Videocapture (o)
# Infenere where loop to treat stack of Enrage
while taxe:
# Reading frame (Image) from video
check, frame: video-read()
I Trittalizing motion = 0 (no motion)
MOTEON =0
I converting color image to gray-scale image
gray = cva, cvt color
# so that change can be found easily
I En ferse iteration we assign the walve
# of static-back to our first time
If static back is None:
static - back = gray
continue
# Appending states of motion.
I Destroying all the windows
CV S. destroy All Windows ()

	Analyses of all wondows:
	Gray Frame: The Emage 95 bet blue 5 in gray scale pictures is only one Entensity value whereas in RGB 91 would be easy to cakulate
	D'efference Frame: et shows d'efference of Entonsières
	Threshold frame: If the intensity difference for a pasticular pixel is more than 30 then the pixel will be where
V	Color Frame: Color Emager Encolor frame along with green contour around the moving objects.