30 05 1	
31 Ju.	Kython:
31,20	Python:  > Build a Webcam Motion Detector:  • 9 - quit We get all the
Sign	· 9 - quit we get in
610	the object enter the grame.  . We will leave to the blane.
, cv2.	Eg: Animal Enterior ( )
	And help us to detect the motion in video.
	O First we home sall in motion in video.
peer!	D'isst we have capture the background  then ing of ruman or animal.  Difference frame or Della las The
	2 Difference bank on Oll to
	Some high intensity values. It supresent that it has bale !!
	that it has potential values but in black corea there is no black
	area there is no potential motion.
3500	15 the counter to each frame.
1 (1 mm)	If the counter is 500 pixel it is considered
	as niving object.
4 9	(4) We will come to know the video or inag
9/3	exited the frame.
Seriors.	3 we want to store the video.
	Miso we pave to oreate a variable.
	To run the video and script will be stored
why but	or triggered and while will wor and it
	will get first frame and this frame will
	be covered by grey is NONE.
	Python will grab the second france.
	Then calculate the difference blw previous
1,32	and current frame.
	But sugar at brane we have to own the
	gray image other pass the neight of the blur
	image ((21,21),0)
	image ((21,21),0) To show the maje
	CV2. inshow ("Gray France", gray)

· The difference blu previous and current frame is more then 50, we will classify that has white frame. If the difference is so we will sign as black frome. We can do it by threshold. thoush delta = cv2, threshold (frame\_deltap 30, 255, CV2 THRESH\_BINARY).[1] Thin to show the olp CV2. Imshow ("Threshold Frame", thoush-delta) Now remove the black holes from white frome thresh-frame: CV2. dilate (thresh frame, None, iterations=2) Next find the counter. we have 2 counter fix method: > find wunter - Draw counter. Find counter: we find counter in our image - Draw counter: Draws the counter in our image. Here we find the area so we use Find counter. (conts, \_) = CV2 find Countours (thresh-trane. cupy 1), CV2, RETR\_EXTERNAL, CV2. CHAIN\_ APPROX\_ SIMPLE). OUL -> Countour area should be more than 1000 px/s. for countour in onts: 1/ cuz. countour Area (can tour) <1000: continue (x,y,w,h)= CV2, bound lect (contour) CV2. nectangle Ctrane, (x, y), (x+w, y+R)(,255,0),3) The to show a maje with nectange EX2. nect. CV2. inshow ("Rollour France", france)

	No. 1
-	Capturing Motion time:
	> First find
	-> First find out the point where the status is
	> chile motion to non motion
	Status = 0 for 1st
	when python find the size bigger then changed the status as 1.
	-e the status as 1.  then brief (status)
	prince startagy.
	apply datoline now() which about the
	we want to know the trans charges from
	Status o to 1.
	So Status-list=[]
	then apply status-list. append (status).
	then print (status-list) obtside the while 600b.
	then timesappend (datetime. now ())
	then we get the datetime when the
	ing as motion in the video.
	7
<b>Mar.</b>	