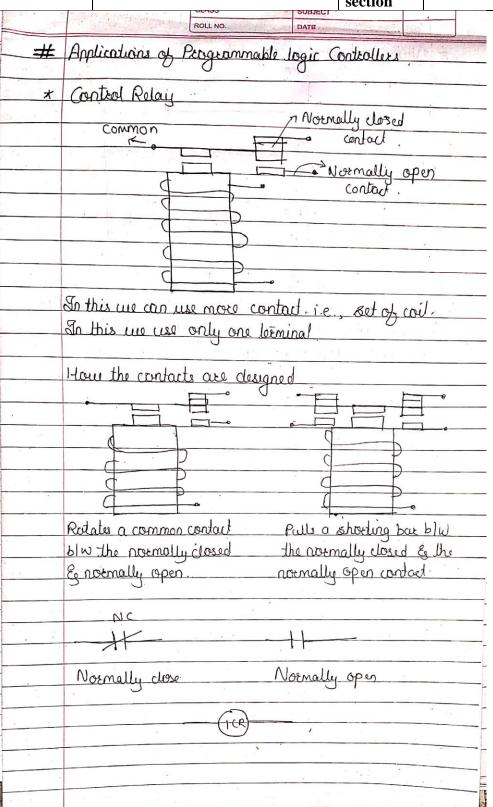
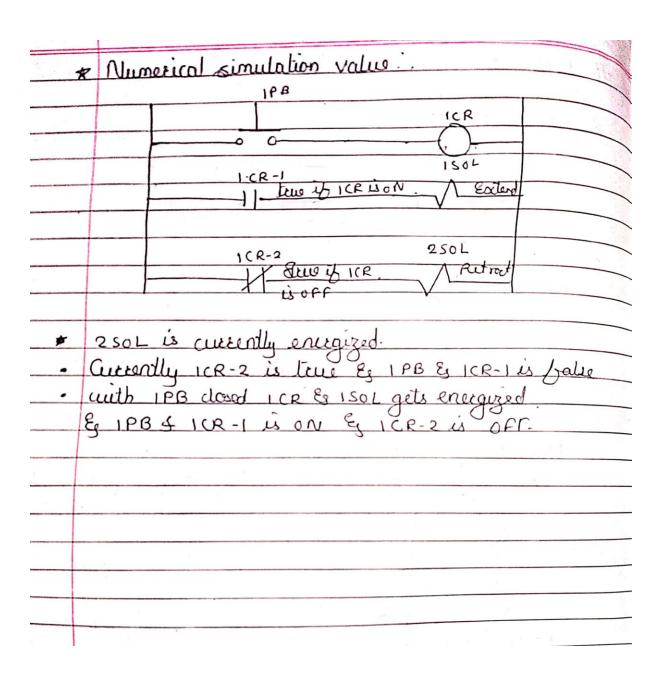
Date:	30-05-2020	Name:	poorvi
Course:	Logic design	USN:	4AL17EC071
Topic:	Allpication of programmable	Semester	6 th sem And B sec
	logic controllers	and	
	- I SHRIBY	section	





Date:	30-05-2020	Name:	poorvi
Course:	Python programming	USN:	4AL17EC071
Topic:	Python for image and video	Semester	6th sem And B sec
	processing using open cv	and	
		section	

	section
	Classmate Date
#	Python for Image and Video Processing with OpenCV
٠	Installing the library -
	pip install apency-python
	import cv 2
9	
	ing = cv 2. enread (galaxy. 4pg, o)
	print (type (ring))
	print (ing)
}	print (ing shape) print (ing ndin)
	11-00-(01-13-11-10-11-11-11-11-11-11-11-11-11-11-11-
	tesized_image = CV2, tesize (ing, (ind (ing, shape[1]12),
	int (ing, shape [0]/2)))
	CV2. mshau ("Galaxy", sesized_image)
	CV2. Murite (Jalary cesized , 199 " Ecesized image)
	cv2. mailkey(e)
*	CV2. destroy All hurdous ()
1	· perface dedection -
8	inport CV2
-	Jaco_cascade = CV2, cascade Classifier ("hearraxade_frontalface_default
	name of the jpg file where the - xml)
	ing = CV2. interes c phare. Ipg
. 24	gray_ing=cv2, cutcolor (ing, cv2, color_BGR2GRAT)
7	Laces = Lace_cascade. dated Multiscale (gray ing,
	scale factor = 1.05. Change this or adjust this.
	minhleighbors=5)



-	
-	for x.y.w.h in focus:
-	ina = (x3 toutous for the car)
	frest (type (faces)) (2,4), (x+w,4+h), (0,255,0),3)
	peint (faces)
	Terro (Jacks)
LAGAL B	texized - cur win Ci (: 1 (:
	lesized = cv2. cesize (ing. (in (ing. shape[1]/3), int(ing. shape[0]/3)
	the felly, earlied
	Cv2, mailkey (o)
	CV2. destroy Allundou ()
	Capturing Video: -
	Videa = 610 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	check frame = video. eed() = a+1:
-	peint (check) _ george cv2. cvt6lor (frame, cv2.color_BGRZGR
_	-peint (frame)
	time. sleep (3) -> how much dues! He wides will play
	cv2, inishow ("Capturing", Hame)
	cv?. waitkey (100) if key == oed ('q');
	rideo, telcaso() Oteak
	CV2. desteoy Allaundous paint (a)
1	
-	
- 23	