

Pattern Recognition

Project 1:-

Optical Character Recognition (OCR) using template matching

Description :-

you will get an input one or more characters from alphanumeric (**A-Z , a-z and 0-9**) your program should find all characters in alphanumeric.png image and mark them like drawing rectangle around them .

for example :-

if you enter “**iD9**” the program should be **output this image**

A	65	a	97	0	48
B	66	b	93	1	49
C	67	c	99	2	50
D	68	d	100	3	51
E	69	e	101	4	52
F	70	f	102	5	53
G	71	g	103	6	54
H	72	h	104	7	55
I	73	i	105	8	56
J	74	j	106	9	57
K	75	k	107		64
L	76	l	108		0177
M	77	m	109		0181
N	78	n	110		0153
O	79	o	111		0163
P	80	p	112		
Q	81	q	113		
R	82	r	114		
S	83	s	115		
T	84	t	116		
U	85	u	117		
V	86	v	118		
W	87	w	119		
X	88	x	120		
Y	89	y	121		
Z	90	z	122		

Notes :-

1. Maximum team size is **5 person**
2. Deadline will be **Saturday 15/4**
3. There will be a **discussion** about the code for the whole team
4. Matlab and Python are allowed