1. MAIN A DE CLASSIFICATION - CNN ANGLITECTURE

2. APPLY A DE INTERPRETARIZION TECHNICIE

2 GRADCAM, Activation - Mayniaction, Gliency wass?

IN ORDER TO OBTAIN AN INTERPRETABILITY

HEATMAP

USE AN OTSU MANUAL THINESHOZDINE TO
PSINANIZE THE INTERPRETABILITY HEATMAP

('I'- RELIGIONS DEVENANT FOR THE PC CLASSITIEN

10'- NECTIONS NOT DEVENANT)

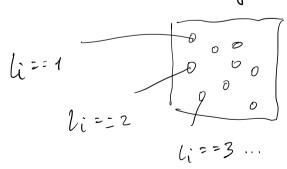
BNAM HEATMAP



1/19: selevant repons

3. APPLY AN OBJECT FEMILENTATION METHOD TO IT
IN OADER TO IZENTIFY NECEVANT STUCTURES

t: -> [SEGNENTATION] -> Li
segnended/
localled
Tunage



A TOTAL OF NI OBJECTS

## 4. ExTRACT NEWONAL ATTNIBUTES FROM 1FE PECIMENTED NEWFORS;

Bamer 161)		
- SHAPE	OBJECT	FEATMES
- ANEA/FITE	l	f11 f12 f1m 1
- TEXTURE	2	f21 f22 ··· f2m
- OMEZTATION	3	
A TOTAL OF M	Νī	fn: 1 (x1, 10)
FEATURE AME		
EXTRACTED		DATA
		MATTINX
Ofrect featine		h= x w)
,		

5. ASSIGN A CLASS LABEL 'H' ON 'L' TO
EACH OBJECT ACCONDING TO THE LOCATION
OF THE CENTROID OF THE OBJECT IN THE
ZNAM HEATMAP:

OBJECTS LOCATED IN BH = =1,  $\neg \circ$  'H'
OBJECTS LOCATED IN BH = =0 -> 'L'

INTERPRETABILITY CLASS VECTOR

6. CONSTRUCT A CLASSIFICATION DATABATE
WITH ORTECT PRETABILITY
22ASS CAPTERS:

DESECT 
$$f_1$$
  $f_2$   $f_3$   $f_m$   $f_m$ 

7. TRAIN A DECTION THE MITH THE DATABASE X.

THE STRUCTURE OF THE TREE WILL PEUTIAL
WHICH FRATURES ARE MORE RECEUTANT
IN DADER TO DISTINGUISH BETWEEN
PEREVANT & NON- NECEVANT MECIONS.