## COMP3381 (2018/19) - Summative Assessment: L3 Assignment – SSA – Computer Vision

Student Identifier	gkgf37
Overall Mark (out of 100)	62

Assignment Software Testing	Worki	ng / Pre	sent (Y/N)	Observations / Comments	
Python script (working on specified	Y				
reference system – CS labs)					
Video example (as requested)	Y				
Interfaces to data set as specified	Y				
Works with OpenCV 3.x	Y				
General observations from the implementation:					
Operates as required, quite slow in terms of processing time per image.					
Assignment Marking	Mark Feedback		Feedback		
DescriptionDescriptionDescription22		22	Effective use of HOG+SVM approach.		
<b>your solution</b> including aspects of:			· r r		
• any image pre-filter/process			Good use o	ood use of image pre-processing and cropping.	
performed (or similar)	8				
• choice of object detection	Innova		Innovative	ve use of hybrid selective search + sliding	
methodology (inc. search				earch strategy.	
strategy)					
<ul> <li>effective integration of object</li> </ul>	ect Excellent		Excellent u	use of aspect ratio, disparity distribution and	
range estimation from stered				ce thresholding based heuristics for improved	
vision (30%)				Disparity averaging for ranging.	
General performance - object deter			Moderate of	overall detection and ranging performance	
and distance ranging (30%)			for pedestrians. Notable FP and missed detections		
Report: discussion / detail of solution	on 4 A well pres		A well pres	sented report that could be mildly improved	
design and choices made (5%	%)		in terms formal scientific reporting style.		
Report: statistical evidence of	the	0	None presented (for test TTBB test data set).		
	%)				
Additional credit will be given for	one 8 Effecti			use of various heuristics to improve	
or more of the following:			detection performance.		
<ul> <li>extension of object detection</li> </ul>	on by				
object type					
comparison of one or more					
detection methodologies					
• automatic adjustment from					
prelim analysis					
• the successful heuristics for					
efficiency or detection					
(for any of the above up to a maximu	um of				
20%, dependent on quality)					
Clear, well documented program		8		ured code that would benefit from	
source code (1	0%)			parriers to separate functions/sections + use	
				lers + removal of unused	
				iles/content.	
<b>General Feedback:</b> A good attempt that covers all of the key aspects of the task effectively with some					

**General Feedback:** A good attempt that covers all of the key aspects of the task effectively with some deficiencies and areas for improvement present.

To improve future work please consider:

- use comment barriers in your code to separate functions/headers + use of file headers
- use of statistical supporting evidence of performance
- presentation of report in a formal scientific writing style should include: textual figure/table captions that are all numerically referenced and discussed from the text