ECE 385 Lab 8 Report Outline

	Introd	uction					
		Briefly	summarize the operation	on of the USB/VGA interface			
	Writte	n Desc	Description of Lab 8 System				
		Writte	n Description of the enti-	re Lab 8 system			
			Describe in words how	the NIOS interacts with both the CY70	C67200 USB		
			chip and the VGA com	 			
			n description of the USB	•			
				of the USBRead, USBWrite, IO_read a	ind IO_write		
			functions in the C code	9			
			diagram				
			•	epresent the placement of all your mod			
				include the top level diagram and not the			
			_	Osys view of the NIOS processor is no	t necessary		
		Modul	for this portion. e descriptions				
	_		•	his was shown in the Lab 5 report outli	ine Do not		
		_	•	Qsys generated file for your Nios syste			
				ed file, you should describe the PIO blo			
			•	ded to make the NIOS system run (i.e.			
			needed to communicat				
☐ Answers to both hidden questions							
		These	can be found in the pro	vided SystemVerilog files.			
□ Answer to Post Lab Questions							
			s the difference betwee				
	☐ In the file io_handler.h, why is it that the otg_hpi_data is defined as an integ						
		-	r while the otg_hpi_r is defined as a char pointer?				
		Docun	nent the Design Resour	ces and Statistics in following table.			
			LUT				
			DSP				
			Memory (BRAM)				
			Flip-Flop				
			Frequency				
			Static Power				
			Dynamic Power				
			Total Power				

□ Conclusion

Discuss functionality of your design. If parts of your design didn't work, discuss
what could be done to fix it
Was there anything ambiguous, incorrect, or unnecessarily difficult in the lab
manual or given materials which can be improved for next semester? You can
also specify what we did right so it doesn't get changed.