ECE 385 Lab 8 Report Outline

	Introd	uction			
_			summarize the operation	on of the USR/VGA interface	
	,				
			n Description of the entire		
	_		•	the NIOS interacts with both the CY70	C67200 USB
			chip and the VGA com		
		Writter	n description of the USE		
			Describe the purpose of	of the USBRead, USBWrite, IO_read a	nd IO_write
			functions in the C code	9	
		Block	diagram		
			This diagram should re	epresent the placement of all your mod	ules in the
			•	include the top level diagram and not tl	
				Qsys view of the NIOS processor is not	t necessary
			for this portion.		
			e descriptions	his was above in the Lab Consent will	D
			_	his was shown in the Lab 5 report outli	
				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 communicate	· ·	the ones
	Answe	ers to b	ooth hidden questions	• /	
			•	vided SystemVerilog files.	
		What i	s the difference betwee	n VGA_clk and Clk?	
		In the	file io_handler.h, why is	it that the otg_hpi_data is defined as a	an integer
		pointe	r while the otg_hpi_r is o	defined as a char pointer?	
		Docun	nent the Design Resour	ces and Statistics in following table.	
		1			
			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.