## **ECEN 5613**

## **Embedded System Design** Lab #2 Signoff Sheet

Fall 2019

You will need to obtain the signature of your instructor or TA on the following items in order to receive credit for your lab assignment. Signatures are due by Friday, September 27, 2019 (Part 1 Elements) and Friday, October 4, 2019 (Part 2 Elements).

Print your name below sign the h

firmware in order to obtain the necessar	ary signatures.	and then den	nonstrate your	working hardy	ware &	
Student Name: Rucha Bo	monto	Q				
Honor Code Pledge: "On my honor, a received unauthorized assistance on the	as a University iis work. I hav	of Colorado e clearly ack	student, I have	ve neither give ork that is not r	n nor ny own."	
Signoff Checklist	Student Si	gnature:	20 X			
Part 1 Required Elements						
Schematic of acceptable quality, correct memory map, SPLD .PLD file Described in MSP432 code build process, LED program, version control  Schematic of acceptable quality, correct memory map, SPLD .PLD file Described in MSP432 code build process, and two 28-pin wire wrap sockets present on board NVRAM (as EPROM substitute), decode logic, and LED functional  Understands device programmer.  Demonstrated ability to use logic analyzer to capture bus cycles and view fetches from NVRAM. Shows detailed knowledge of both state and timing modes. Captures latched address lines A[15:0], data lines D[7:0], ALE, /PSEN, and NVRAM chip select signal on the logic analyzer display.  Shows and discusses logic analyzer screen captures:  Assembly program and timer ISR functional:  TA signature and date  Part 2 Required and Supplemental Elements  AT89C51RC2, RS-232, and FLIP functional  Understands timing analysis, setup/hold/propagation  MSP432 code build process, LED program, version control						
Instructor/TA Comments:    TA signature and date						
FOR INSTRUCTOR USE ONLY Part 1 Elements  Schematics, SPLD code Hardware physical implementation Part 1 Required Elements functionality Sign-off done without excessive retries Student understanding and skills	Not Applicable	Poor/Not Complete	Meets Requirements	Exceeds Requirements	Outstanding	
Overall Demo Quality (Part 1 Elements)			4			
FOR INSTRUCTOR USE ONLY Part 2 Elements  Schematics, SPLD code Hardware physical implementation Part 2 Required Elements functionality Supplemental Elements functionality Sign-off done without excessive retries	Not Applicable	Poor/Not Complete	Meets Requirements	Exceeds Requirements	Outstanding	
Student understanding and skills		ö	4	П		

NOTE: This signoff sheet should be the top/first sheet of your submission.

Overall Demo Quality (Part 2 Elements)

\* supplemental not done A Interrupt based LED blinking program not done. 19/4/2019 \* LED program shown. Io/5/2019 January