

# MICROPROCESSOR SYSTEMS PROJECT SUBMISSION FORM



Revision: August 18, 2019

## PROJECT 5: USING INTERRUPTS

I am submitting my own work, and I accept that penalties will be assessed against me if I submit work that isn't mine.			Point Scale 4: Exemplary 3: Complete 2: Incomplete 1: Minor effort 0: Not submitted
_____	_____	_____	
Print Name	Sign Name	Date	

#	Deliverable	Wt	Pts	Date	Asst. Signature
---	-------------	----	-----	------	-----------------

### Requirements

#### 1: Use interrupts to handle UART traffic

1	Program demo	4			
2	Verbal questions answered well	4			

#### 2: Use the GPIO module with interrupts

1	Program demo	3			
2	Verbal questions answered well	3			

#### 3: Use Global Timer interrupts to create a software timer/counter and send over UART

1	Program demo	4			
2	Verbal questions answered well	4			

#### 4: Use flags to reduce latency

1	Program demo	4			
2	Verbal questions answered well	4			

#### 5: Blink an LED

1	Program demo	4			
2	Verbal questions answered well	4			

### Challenges

#### 1: Create a Configure GIC function

1	Program demo	3			
2	Verbal questions answered well	3			

#### 2: Measure pushbutton bounce time

1	Program demo	4			
2	Verbal questions answered well	4			

### Extensions

#### 1: Describe

1	Program demo				
2	Verbal questions answered well				