## Digital Systems Project #4: PWM IP Block Submission form revision August 8, 2025





I am submitting my own work, and I accept that penalties will be assessed against me if I submit work that isn't mine.  Print Name Sign Name Date Asst. Signature								Point Scale 4: Exemplary 3: Complete 2: Incomplete 1: Minor effort 0: Not submitted	
Requirements			Wt	Pt	Score		Possible	Earn	ed
1. Design a hardware PWM block in Verilog			6						
2. Make the PWM IP an AXI peripheral to control RGB		LEDs	7				76		
3. Make it a full-featured PWM block			6						
							Weeks late: 1 2 3 4+ (Circle as indicated)		
Challenges							Possible	Earn	ed
1. Create a hardware	PWM block to control servo mot	tors	7						
2. Generate simple waveforms using a PWM module			7						
							56		