

Digital Systems Project #4: PWM IP Block



Submission form revision September 5, 2025

I am submitting my own work, and	Sign Na	against me if I submit work that isn't mine. Asst. Signature					Point Scale 4: Exemplary 3: Complete 2: Incomplete 1: Minor effort 0: Not submitted				
Circle one column below and modify earned scores accordingly											
Weeks Early / Late	-3 -2		-1	0	1		2	3	4	5+	
Requirements Points	+18	+12	+6	0	-7		-15	-21	-25	-28	
Challenges Points	+6	+4	+2	0		-4	-8	-12	-12	-12	
Requirements				Wt	Pt	Score		Possible		Earned	
1. Design a hardware PWM block in Verilog											
2. Make the PWM IP an AXI peripheral to control RGB LEDs								76			
3. Make it a full-featured PWM block				6							
							Modify earned scores by submission week according to table above.				
Challenges								Possible		Earned	
1. Create a hardware PWM block to control servo motors				7							
2. Generate simple waveforms using a PWM module				7							
								E.C.			
								56			