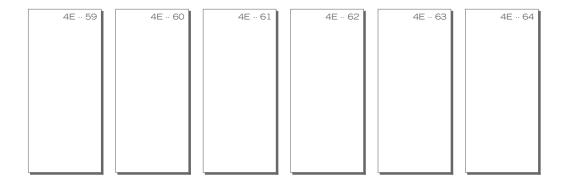
LABORATORY 10

Please print this sheet prior to coming to laboratory. Complete the pre-laboratory tasks in your lab notebook. Complete the lab tasks in **both** your lab notebook and this submission sheet.

1 Pre-laboratory Verification



2 Laboratory Verification



3 Deliverables

1.	Αt	Attach a printout of the bldc_controller.vhd VHDL code.																										
2.	At	Attach a printout of the block diagram.																										
3.	At	ttac	ch a	ı pı	int	out	of	the	e di	gita	al s	ign	al a	ına	lyz	er v	wav	vefo	orn	n ca	aptı	ıre	of	the	co	il s	ignals.	
4.	Assuming that the motor spins at 7,200 RPM when the period of one full rotation is 231.17 μ s, calculate the approximate speed of the motor if the period is 12 ms (six states of 2 ms each). Show your calculations or dimensional analysis.																											
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5.	Н	ow	do	es '	the	pit	ch	of	the	mo	otoi	ch	anş	ge a	as y	/ou	co	nne	ect	mo	re	sigi	nal	lea	ds?	? E:	xplain why.	
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6.	. Can the motor be started from a stopped state with all three signal leads connected? Why of why not? Provide a detailed explanation.															or												
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