Lab 4.1 Motor and Arch

Submit Assignment

Due Monday by 1:30pm   **Points** 20   **Submitting** a file upload
File Types zip and pdf

Lab 4.1 Motor and Arch.pdf

Rubric (2)				
Criteria	**Ratings**			**Pts**
4.1.1	**10 pts** **Full Marks** Motor moves one direction at varying speeds from 0 to 100% and moves in the other direction from 0 to 100%. Circuit photo shows wiring done correctly with NAND gate as inverter.	**8 pts** **Partial Credit** Inverter not implemented correctly (e.g. two i/o lines instead of one) but motor functionality both directions and different speeds.	**5 pts** **Partial motor functionality** Motor spins but either doesn't reverse or doesn't change speeds in both cases.	**0 pts** **No Marks**	10 pts
4.1.2	**10 pts** **Full Marks** Design is complete (even if not a good one based on TA suggestions) drawings are ready to submit, Parts are ready to order.	**9 pts** **Partial Credit** Design is ready, but some manufacturing files aren't ready to submit and/or parts not completely ready to order.	**5 pts** **Partial Credit** Design has been chosen. Rough sketches for idea, but no manufacturing files ready.	**0 pts** **No Marks**	10 pts
				Total Points: 20	