

Completed by team,  
review with guide  
after review(s)

Dr. DeBartolo: Design Review Outcomes Form

**Team #:** P14418 **Team Members:** Jessica Fuss; Kyle Jordon; Jake Kleinberger

Discussion Item(s)	Outcome or Action Items	Target Date
Gears, Components	Use of stepped shaft to hold shaft in place. Use Ball bearings instead of journal bearings. E-clips are okay	

Was this review format helpful for you? Circle one : (no) 1 2 3 4 **5** (yes)

Dr. Kempfski: Design Review Outcomes Form

**Team #:** P14418 **Team Members:** Jessica Fuss; Kyle Jordon; Chris Falanga

Discussion Item(s)	Outcome or Action Items	Target Date
Motor Testing	Gave us servo motor and made sure it worked. We learned how to construct a test setup.	
Motor understanding	Gave us pamphlet and instruction on how to a driven dc motor is modelled. He will assist as needed in block diagram analysis to determine inertia of motor.	

Was this review format helpful for you? Circle one : (no) 1 2 3 4 **5** (yes)

*Faculty: please put comment sheets in inter-office envelope and leave in your department office, or mail to:  
Mark Smith, Bldg 09-4451*

Dr. Boedo: Design Review Outcomes Form

**Team #:**  P14418      **Team Members:** Jessica Fuss; Kyle Jordon;

<b>Discussion Item(s)</b>	<b>Outcome or Action Items</b>	<b>Target Date</b>
Inertia	Learned that gearboxes usually are driven in the other direction by reducing speed and increasing torque. The inertia of the motor will be multiplied by $72^2$ .	
Friction	There will be friction at the teeth that will make it harder to turn.	
Re-design	It will be too hard to turn for the user, we need to re-evaluate the inertial forces.	

Was this review format helpful for you? Circle one : (no) 1 2 3 4 **5** (yes)

Dr. George Slack: Design Review Outcomes Form

**Team #:**  P14418      **Team Members:** Chris Falanga and Erika Correa

<b>Discussion Item(s)</b>	<b>Outcome or Action Items</b>	<b>Target Date</b>
LED interface	May reduce from 6 to 2 LEDS, keep it simple	
Motors	Consider lead times, use any motor for prototyping May not be necessary to regulate power Create block diagram of electrical system.	

Was this review format helpful for you? Circle one : (no) 1 2 3 4 **5** (yes)

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Dr. Marcos Esterman: Design Review Outcomes Form

**Team #:** P14418 **Team Members:** Chris Falanga and Jacob Kleinberger

<b>Discussion Item(s)</b>	<b>Outcome or Action Items</b>	<b>Target Date</b>
Design for Assembly of PCB	He referred us to Dr. Manian Ramkumar. We plan to meet with him soon. If not both of us could meet then Chris will go.	
Design for Assembly of other components of project	Jacob plans on completing the DFA analysis and going to Dr. Esterman with the analysis.	

Was this review format helpful for you? Circle one : (no) 1 2 **3** 4 5 (yes)

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