EZ-Lifter

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Submitted to:

Professor Liang of MET 494/499 Senior Design & Analysis
Mechanical Engineering Technology Program
College of Engineering, Technology, and Computer Science
Indiana University- Purdue University Fort Wayne
Submission Letter

To: Professor Liang and the Mechanical Engineering Technology Department

The EZ Lifter project has been completed by our Senior Design group that consists of Neil Cripe, Scott Minnick, Brad Bauer and Derek Layton. The group would like to first thank the department for allowing us to demonstrate our knowledge gained through our time in the department and allowing us to complete the project titled "The EZ Lifter". The EZ Lifter is a truck hoist idea that the group came up with, which is focused on assisting the everyday person in removing objects from their truck. The group has brain stormed ideas, designed, analyzed the design, built a prototype and finally tested the design. Through these activities we were able to apply some of the concepts we have learned through our experience in the department. The project is now complete and our team would like to submit the project to the department of Mechanical Engineering Technology. Please review the report that the group is submitting to understand what concepts were applied to our project and the different types of equations and scenarios from different classes we have used. The group enjoyed working together and was excited to demonstrate some of the concepts we have learned.