**ME6953 Independent Study, Advanced Mechatronics**

**<Today’s date>, Spring 2017**

**San Antonio, TX, USA**

Put paper title here

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Abstract

Put abstract text here. Write this last, after you finish writing the full paper. Section 1 to 5. This should be a summary of your paper that talks about the problem and solution, results, and conclusion. It should provide enough details for someone to get a holistic understanding of your project without having to read it in detail.

1. Nomenclature

Put nomenclature here.

For example,

F – Force

m – mass

EOM – Equations of motion.

1. InTRODUCTION

Introduction should be short and to the point. Also, put the literature review over here with single citation like this [1] and multiple citations like this [1,2].

1. METHODS

This should be the **FIRST** part you write in your report. Put all the necessary math/methods/experimental protocols here including necessary figures/algorithms etc.

1. RESULTS

Write this part after you have written **METHODS** section. This will have all the results. The results should be in the form of tables, plots, and figures. These need to be explained in fair detail. Ensure that the fonts on the figure/tables are big enough.

1. DISCUSSION

Write this part after you have written the **RESULTS** section. The motive of this section is to discuss the results in a broader context. The first paragraph can summarize the results. The next few paragraph should discuss the results. The final paragraph should present the limitations of your approach.

1. Conclusion and FUTURE work

This is optional. Recommend to be written after you write **DISCUSSION**. A first paragraph can briefly summarize what was done, results and limitations and what is the main conclusion. A second paragraph can talk about how the work can be extended.

Acknowledgments

Put acknowledgments here.

References

[1] Smith, J. (2015) The great book. UTSA Printing Press, San Antonio, TX, USA

[2] Smith, J. (2015) Energy-efficient report writing, The Intl. Journal for diligent authors, 10(2), 1000-1021.

Appendix

All peripheral things like code, elaborated details of experiments, cad files, etc. that are not essential for someone to understand your report can come here. This can have section like A. Code. B. CAD file etc. Alternately, put the appendix on a separate file and put a table of contents in the beginning for easy access.