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Team 521: Housing/Chassis Design for Engine Electrical Accessories

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Abstract

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Acknowledgement

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Table 1. Major Task Responsibilities



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Figure 1: Gantt Chart



Chapter One: EML 4551C

1.7 Spring Project Plan

The spring semester project plan was created to allow for a projection of events and tasks that the team will use to stay on track to finish the project. The spring plan consists of a Gantt chart and a Major Tasks Responsibility table that shows the dates that certain tasks will start and end. The Gantt chart is shown below.

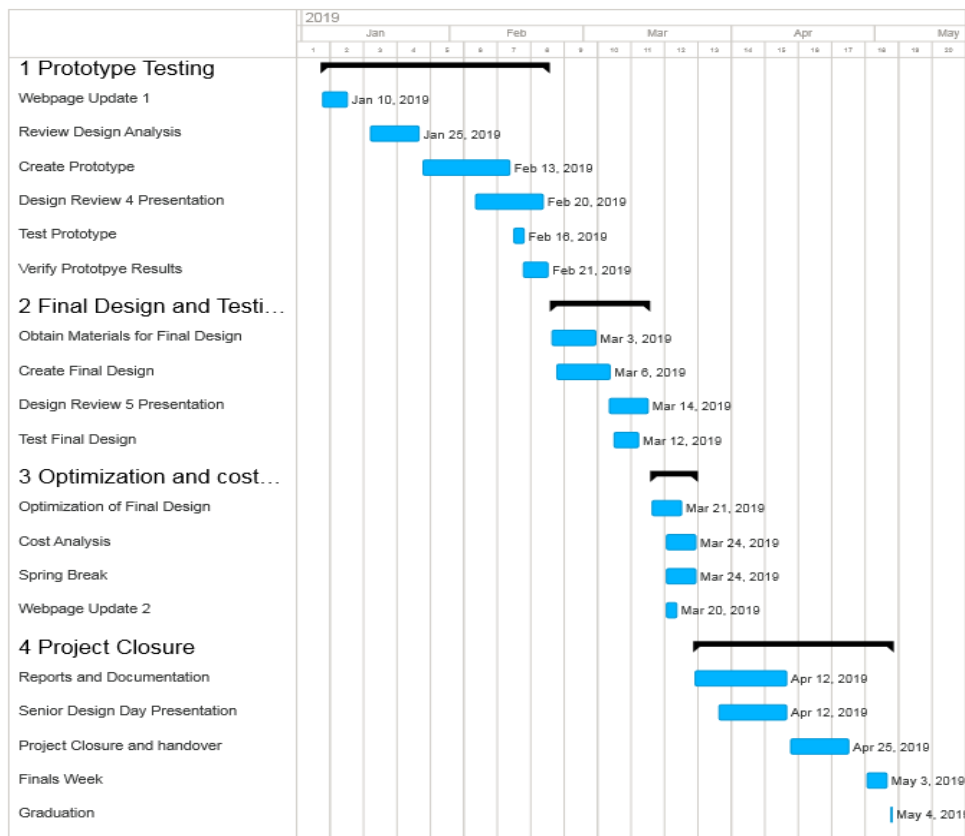


Figure 1: Gantt Chart

Three main milestones in the chart is senior design day, finals week and graduation.

Based on those three milestones, all other tasks and assignments were placed around them to



allow for maximum time to successfully meet each milestone. The Gantt chart is organized by listing the four main sections of our project completion process. In order to meet the deadline of presenting the project on engineering day to the sponsor, it is important that our prototype testing to end around early February and our final design assembly will begin in mid February. Our goal is to complete the final design testing before spring break. This will allow for improvements or any changes to be made based on the results of testing before engineering design day.

The Major Tasks and Responsibilities table below displays each of the major tasks that will be done next semester along with the team member that is responsible for the completion of that task. The role of each team member is also included in the table.

Table 1: Major Task Responsibilities

Major Tasks		Owner/Priority			
1	Webpage Update 1		●		
2	Review Design Analysis	●		●	
3	Create Prototype			●	
4	Webpage Update 2		●		
5	Design Review Presentation 4		●		●
6	Test Prototype	●	●	●	●
7	Verify Prototype Results			●	
8	Obtain Materials for Final Design	●			
9	Create Final Design			●	
10	Test Final Design			●	
11	Cost Analysis/Optimization				●
12	Design Review Presentation 5	●		●	
13	Reports and Documentation	●	●	●	●
14	Senior Design Day Presentation	●	●	●	●
15	Project Closure and Handover	●	●	●	●
Marcus Cowan – Team Lead/Materials Engineer Mosad Elsankary – Software Engineer Matthew Marshall – Design Engineer Austin Watson – Financial Engineer		Marcus Cowan	Mosad Elsankary	Matthew Marshall	Austin Watson

This table was created based on each team members role and expertise in the project. The owner of each task will oversee that portion of the assignment. Presentations will be assigned to



multiple members of the team as well as large tasks like Senior Design day and Project Closure and Handover. This table will allow for the overall time spent on each assignment to decrease because all members have something to work on. The team member assigned to each role will make any final changes and improvements to the task before it is submitted.