**MECH 328 Weekly Progress Report *Dates: November 3 - 10***

Group:10 Project Title: TrailRider 5.0

**Last Week’s Goals**:

1. Finalize the specification of all drivetrain components.
2. Develop a working draft for all appendices to better evaluate progress.
3. Complete the third DFMEA
4. Complete all minor appendices

**Last Week’s Activities**:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Activities | Hours Worked | |
| Last Week | Total |
| Andrea | * Specified parts for drive train * LCA and Prototype testing continued | 8 | 65 |
| Carson | * Completed draft of Appendix F | 8 | 65 |
| Julia | * Completed project management and weekly report appendices * Searched for drive train parts and compatibilities | 8 | 65 |
| Lukas | * Completed draft of report summary | 8 | 65 |
| Ratthamnoon | * Simplified drive system design to speed up parts specification process * Finished chain failure calculations from DFMEA, and assist with other calculations * Specify overall dimensions, and start assembling drive train in SolidWorks | 8 | 65 |
| Stephen | * Completed DFMEA 3 * Specified parts for drive train | 8 | 65 |

**Summary of progress**:

* Specification of drive system parts is done with the help of design simplification, and blackboxing parts that are time-consuming but not as critical to the drive system as a whole.
* Most of written appendices are split up between members and expected to be done before the meeting next week. However, there are some appendices that are contingent on other appendices that were just finished (ex: engineering drawing appendices needs parts specification, which was just done because calculations were just done), so those will be written next week.

**Assessment of Overall Progress:**

* Some parts of the report may be more polished than others due to more time available, but all appendices will be written.
* Group is on track to finish the report without overtime.

**Goals for Next Week**:

1. Finish any appendices that leftover.
2. Assemble all of the appendices into a coherent report, and proofreading.

**Action Items for Next Week**:

|  |  |  |
| --- | --- | --- |
| Name | Action(s) | Due Date(s) |
| Carson | Finalize Appendix F; edit other sections of the report | 11/13 |
| Julia | Complete cost of goods and user manual appendices | 11/13 |
| Friend | Assemble the CAD model of the drivetrain system; deliver engineering drawings and report images. | 11/13 |
| Stephen | Complete appendices H and E | 11/13 |
| Lukas | Refine and edit report content | 11/13 |
| Andrea | Complete appendices I and J | 11/13 |
| All | Compile appendices into report | 11/15 |

Detailed Design Gantt Chart:

