**MECH 328 Weekly Progress Report *Dates: September 23-29***

Group: 10 Project Title: TrailRider 5.0

**Last Week’s Goals**:

1. Score full concepts and complete DFMEA
2. Complete the ‘Investigation’ appendix

**Last Week’s Activities**:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Activities | Hours Worked | |
| Last Week | Total |
| Andrea | * Generated and discussed full concepts with team * Complete Investigation Appendix * Completed weekly report | 8 | 25 |
| Carson | * Discussed full concepts with the team * Researched existing patents related to lever-drive wheelchairs * Created a new requirements document * Developed evaluation criteria for WDM | 8 | 25 |
| Julia | * Discussed full concepts with team * Researched existing patents for lever propulsion * Re-drew and solidified full concepts in greater detail to prepare for WDM next week | 8 | 25 |
| Lukas | * Discussed full concepts with team * Re-drew and solidified full concepts in greater detail to prepare for WDM next week * Developed evaluation criteria for WDM | 8 | 25 |
| Ratthamnoon | * Discussed full concepts with team * Worked on and finished evaluation criteria | 8 | 25 |
| Stephen | * Researched rider guild to prove there is a market for a version of the TrailRider with more rider independence. * Discussed full concepts with team. | 8 | 25 |

**Summary of progress**:

* A new round of full concept generation was done, as per Professor Hodgson’s recommendation
* Four full concepts, of broad variety, were completed and are to be evaluated in the WDM
* Further research and decisions were made for setting up the ranking system of our WDM
* Further research was done to support our scope and the ranking of our needs
* Investigation Appendix was completed
* An updated requirements document was made in accordance to Professor Mckesson’s lecture

**Assessment of Overall Progress:**

* Progress is about a week behind Gantt chart schedule due to problems that arose in full concept generation and in developing a rating system for the WDM
* Optimization and DFMEA were also unable to be completed
* Scoring WDM has been pushed for next week, which is expected to take one day
* Optimization will commence after the WDM, which is expected to take the rest of the week
* DFMEA can take one day, as opposed to three days stated in the Gantt chart for lag time
* If the above assessment is correct, the team can be back on track and be ready for the Concept Selection Review

**Goals for Next Week**:

1. Complete scoring of our four full concepts in the WDM
2. Optimization and DFMEA
3. Be ready for CSR

**Action Items for Next Week**:

|  |  |  |
| --- | --- | --- |
| Name | Action(s) | Due Date(s) |
| All | Score full concepts in WDM | 10/06 |
| All | Optimize selected concept | 10/06 |
| All | Organize documents for CSR | 10/06 |