**MECH 328 Weekly Progress Report *Dates: Sept 29 - Oct 06***

Group: 10 Project Title: TrailRider 5.0

**Last Week’s Goals**:

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

**Last Week’s Activities**:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Activities | Hours Worked | |
| Last Week | Total |
| Andrea | * Updated and organized concept drawings * Updated needs & stakeholders * Research on hand pedals, lever, manual wheelchairs for WDM | 8 | 33 |
| Carson | * Developed evaluation criteria for the WDM * Summarized work in a word document to justify criteria and weight choices | 8 | 33 |
| Julia | * Researched patents and efficiencies on the different propulsion types * Drew up the full concepts * Typed up full descriptions of concepts | 8 | 33 |
| Lukas | * Updated the target market and project scope document * Updated the target specifications, ranking, and WDM documents to be consistent and compatible for concept selection review | 8 | 33 |
| Ratthamnoon | * Researched patents for different types of wheelchair propulsion, and wrote documentation of relevant patents * Typed up full descriptions of concepts | 8 | 33 |
| Stephen | * Researched patents for lever driven wheelchairs * Made flowchart for concept selection review * Completed weekly report | 8 | 33 |

**Summary of progress**:

* Evaluation criteria for the WDM are updated and completed with justifications for criteria and weighting
* Found several patents for lever driven wheelchairs
* Concept drawings are updated and organized
* Efficiencies of different propulsion types researched
* Made a flowchart for concept selection review

**Assessment of Overall Progress:**

* 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 once we have a full concept
* If the above assessment is correct, the team can be back on track and ready for the Concept Selection Review
* Last week’s goals have been bumped to next week

**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 | Prepare for concept selection review | 10/06 |