

NASA Rock Mining Competition Software Team

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Progress of current Milestone (progress matrix)

| Task | Completion % | Catherine | Nick | To do |
|--------------------------------------|--------------|-----------|------|--|
| 1. Researching Networking Techniques | 40% | 50% | 50% | Continue Research |
| 2. Research Software | 60% | 33% | 33% | Continue Research |
| 3. Requirement Document | 95% | 30% | 70% | Finish Tweaking |
| 4. Design Document | 80% | 60% | 40% | Continue to add to UML |
| 5. Test Plan | 30% | 50% | 50% | Need to finish with Requirements before coming up with test plan |
| 6. Research Operating System | 60% | 50% | 50% | Continuing to play with ROS |

Discussion of each accomplished task (and obstacles) for the current Milestone:

- Task 1: Networking is not the top priority at this moment. Right now we are focused on communicating with our team (the hardware portion) and seeing what we will have to work with for communicating back and forth with the robotic control system.
- Task 2: As the project continues to come together, the software is continually changing. We have not settled on anything yet due to changing hardware specs.
- Task 3: Requirements have been drafted. Requirements are never finished, and our tasks will evolve over the course of the semester.
- Task 4: As software is continually changing, the design plans are also changing. A rough draft of our design has been produced, but is still under modification.
- Task 5: Due to hardware and software constantly changing, the test plan has not been fully developed.

- Task 6: ROS was chosen as our operating system. We need to become more acquainted with the operating system before we begin to program on it.

Discussion (at least a few sentences, ie a paragraph) of contribution of each team member to the current Milestone:

- Catherine Grover: Catherine has been researching different networking techniques to use with the vehicle. She has also been working on creating the necessary documents needed for the project.
- Nicholas Persing: Nick has been working on communicating with the rest of the team. He has been responsible for the computer communication with the mechanical portion of the robot.

Plan for next Milestone

| To Do | Cate | Nick |
|--|--|--|
| Start Designing, Implementing, and Testing networking approaches | Start Desining, implementing, and testing. . . | Start Desining, implementing, and testing. . . |
| Start Designing, Implementing, and Testing Operating System | Start Desining, implementing, and testing. . . | Start Desining, implementing, and testing. . . |
| Start Designing, Implementing, and Testing software that will interact with hardware | Start Desining, implementing, and testing. . . | Start Desining, implementing, and testing. . . |

Discussion (at least a few sentences, ie a paragraph) of each planned task for the next Milestone

For the next tasks we will start designing, implementing, and testing networking approaches, operating systems, and the software that will interact with the hardware. We will also start working on a test plan and modifying the design plan.

Sponsor feedback on each task for the current Milestone

Sponsor Signature: _____ Date: _____

Sponsor Evaluation

- Sponsor: detach and return this page to Dr. Chan (HC 322)
- Score (0-10) for each member: circle a score (or circle two adjacent scores for .25 or write down a real number between 0 and 10)

● Sponsor Signature: _____ Date: _____