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| Student’s name: | Sterling |
| Student’s pawprint: | Spl2q2 |
| Meeting date: | 2/16/2021 |
| Project title: | Outdoor Solar-Powered Lighting Installation and Acoustic Mosquito Repellent for Unpowered Outdoor Structures |
| Faculty advisor’s name: | Dr. Jae Kwon |
| Next meeting date and time: | 3/9/2021 |

1. Meeting agenda items

* Bill of Materials
* Semester Meeting Schedule

1. Overview of work I’ve completed since the last progress report meeting (be specific):

* Power Supply design

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| 1. Deliverables / Milestones that have come due since the last progress report meeting: | Date Due | Date Delivered |
| Non-power supply parts ordered |  |  |
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| 1. My next deliverables / milestones that are coming due: | Date Due |
| Power Supply Design |  |
| Completed Solar charging unit | 2/22 |

1. Problems I’ve encountered and what I am doing to solve them (be specific):

* Switch mode power supply design is difficult. I have been using a tutorial on buck converters from <https://www.powerelectronicsnews.com/power-supply-design-tutorial/> as well as some advice from Prof. Fischer.
* I may not be able to have the power supply working on 2/22 due shipping. The contingency should not take very long if the backup supply is ordered off amazon, leaving me with about 1 week extra to work on the system.

1. Tasks I’ll be working on during the next weeks (be specific):

* Ordering components for power supply and assembling for testing.
* App controls programming.