**Implementation Plan CSCI 426**

**Group Name: \_\_\_The Skyentists\_\_\_ Fall 2019**

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| **Pre- implementation tasks\*** | **Who is responsible** | **Time estimate to complete (in hours)** | **Targeted start date and date of completion** |
| **Initialize Github repository**  **-Client will be owner of repo** | **Max** | **.5 hours** | **11/4 to 12/1** |
| **Study Requirements document from client (compare with sys docs)** | **Team** | **20 hours per person (can be higher if needed)** | **11/4 to 12/31** |
| **Acquire sample datasets from client to read in** | **Mark** | **1 hour** | **11/18 to 12/1** |
| **Install Python 3 and PyQT (for GUI)** | **Team** | **1 hour per person** | **12/1 to 12/31** |
| **Study Python/PyQT to ensure familiarity** | **Team** | **5 hours per person** | **12/1 to 12/31** |
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Due to the nature of our project, there are not a lot of pre-implementation tasks that need to be completed. The most vital task is each group member familiarizing themselves with the document provided by the client.

Complete a similar table for the start of the implementation phase. This will be a working document that we re-visit on the first day of the spring semester.

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| **Major implementation tasks\*** | **Who is responsible** | **Time estimate to complete (in hours)** | **Targeted start date and date of completion** |
| **Generate base classes for similar GPP and RECO processes** | **Lucas** | **7 hours** | **1/1 to 1/20** |
| **Create calibration process graphs with PyQT** | **Max** | **10 hours** | **1/15 to 2/15** |
| **Proper design of the configuration file and file tree for datasets** | **Mark** | **6 hours** | **1/1 to 1/7** |
| **Construct in-memory BPLUT table to compare against input BPLUT** | **Jake** | **3 hours** | **1/1 to 1/7** |
| **Ensure that the program will be able to be run locally (no web servers or databases)** | **Team** | **.5 hours** | **3/1 to 3/7** |
| **Create special functions for each calculation that is not included in GPP and RECO (SOC functions and GUI)** | **Team** | **15 hours** | **1/1 to 2/1** |
| **Optimization of functions to ensure a fast calibration process** | **Jake** | **10 hours** | **3/1 to 4/1** |
| **Style the GUI** | **Mark** | **4 hours** | **3/1 to 3/7** |
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**Acknowledgement**

The team members hereby indicate by their signatures below that they have read and agree with the specifications of this document.

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