BI-WEEKLY STATUS REPORT

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| Subject: Visual Light Communication |  |
| Period Ending: 10/31/2018 |  |

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| ACTIVITIES COMPLETED THIS WEEK |
| **Completed Deliverables:**   * Completed first draft VLC code based on Manchester Encoding * Skeleton functions completed for transmitter.cpp and receiver.cpp * Main functions finished * There are issues with the interrupt function not running (seems to be a missing library import) * There are some elaborate compile time involving improper casting of data types * Purchased DC components from Fry’s electronics * DC LED lights * A23 12v battery and holder * P-type transister |

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| ACTIVITIES TO BE STARTED NEXT WEEK |
| * Waiting on photodiodes from Amazon * Construct DC VLC circuit * Fix dependency issues on Timer1.h * Add preamble to properly synchronize receiver and transmitter |

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| LONG TERM PROJECTS |
| * Debug VLC software issues |