# COE 3DY4 Project Disclosure Form

**Group # 15**

- All team members agree to disclose only the genuine works, both completed and in-progress, on to the Git Repository for 3DY4 project evaluations.
- All team members have credited all non-original components in the project through proper references and credits in the project report. Examples of non-original works included code snippets provided in lectures, model codes for prototyping validation, third-party libraries used to support your project development, etc.
- All team members have reported their contributions to the project in the Work Breakdown sheet with precision and truthfulness.
- All team members acknowledge that, despite their project works are disclosed as a collective team deliverable, each individual member may be subject to individual evaluations, and may receive different grading results.

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|---|---|---|---|
| **Member 1** | **Name Justin Covach** | **Student ID** | **400243271** |
| **Member 2** | **Name Andrew Gurges** | **Student ID** | **400173743** |
| **Member 3** | **Name Ben Miles** | **Student ID** | **400307241** |

**Date** **April 3rd 2023**

**Project work Breakdown**

| Member | Mono | Stereo | RDS | Multithreading |
|---|---|---|---|---|
| **Justin Covach** | Helped discuss implementation from older labs. | | Implemented RDS up to CDR in Python. Had issue with corrupted data | Designed structure and implementation for multithreading in C++. Helped debug issues in multithreading order for final submission |
| **Andrew Gurges** | Helped discuss implementation from older labs<br><br>Worked on optimized convolution for downsampling and resampling | Wrote initial carrier recovery code in Python<br><br>Added PLL code to python with state saving<br><br>Converted Stereo channel to C++<br><br>Created test file for testing cpp outputs | Aided in converting RDS to C++ | Helped organize some SDR functions into multithreading structure |
| **Ben Miles** | Helped discuss implementation from older labs<br><br>Helped write optimized convolution functions (for resampling and downsampling) | Wrote initial stereo channel extraction code in Python<br><br>Helped debug stereo in Python and C++ | Aided in converting RDS to C++ | Helped organize some SDR functions into multithreading structure |