

### 3DY4\_Disclosure\_Group47

Alexander Radikov: Worked on adapting lab 2 and 3 code to c++, added basic mode selection function and organizing parameters to match each mode, worked on restructuring code to make it more time-efficient, worked on debugging mono in c++, worked on debugging stereo in c++, adapted PLL function from python to c++, debugged PLL in c++, worked on implementing computational friendly fm\_demod function in c++, debugged convolve and impulse response functions causing noise, worked on organizing and adding comments to make the code more readable, debugged issues related to incorrect block sizes.

Muhammed Khan: setup raspberry pi live testing, did testing and live operation of all modes for mono and stereo on raspberry pi, worked on adapting lab 2 and 3 code to c++, worked on restructuring code to make it more time-efficient, worked on debugging mono in c++, worked on debugging stereo in c++, translated bandpass filter from python to c++, worked on implementing correct block size, worked on implementing computational friendly fm\_demod function in c++, debugged convolve and impulse response functions, worked on organizing and adding comments to make the code more readable, debugged issues related to incorrect block sizes.

Bilal Yusuf: Worked on implementation of some functions within rf front end/mono for mode 0. Created notes/logic on how to implement mono block from modes 0-3. Assisted with the implementation of those notes in mono as well as helping debug issues with mono in c++. Made notes based on lectures and project doc for stereo path, worked on the python implementation for stereo in python, debugged python stereo model, organized code for readability. Gave suggestions on possible bugs to get stereo in c++ fully working.

Ebrahim Simmons: Worked on implementation of some functions within rf front end/mono. Wrote some base code on switching between modes. Created notes/logic on how to implement mono block for modes 0-3. Assisted on the implementation of those notes. Helped debug issues with mono. Made notes based on lectures and project doc for stereo path. Afterward, worked on the python implementation for stereo and debugged the python stereo model. Tried to assist with debugging stereo in c++ with logic from python. Organized some code for readability