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| **Week** | **Date** | **Planned work** | **Work done** | **Supervisor feedback** | |
| June/July holidays | | Implement initial software system. | Implemented basic system using Q-numbers. |  |  |
| 1 | 09-Aug-21 | Refactor to floating point. | Refactored Q-number code to floating point. | 11-Aug-21 | Initial meeting to discuss Skripsie approach |
| 2 | 16-Aug-21 | Start block diagrams. Debug. | Halfway done block diagrams. Debugged current code. More refactoring. | 18-Aug-21 | Agreement between skripsie student and study leader regarding mutual responsibilities |
| 3 | 23-Aug-21 | Block diagrams. Design documentation. | Almost done with block diagrams. Design documentation started. | 20-Aug-21 | Meeting to discuss mathematical description of skripsie topic |
| 4 | 30-Aug-21 | Start literature overview. | Literature overview started. Started work on waveshaping. | 29-Aug-21 | Alternatives to STM32 implementation mentioned. |
| 5 | 06-Sep-21 | Conduct basic tests. Work on full system. | Conducted some tests. Debugging. MATLAB simulation of waveshaping. | 06-Sep-21 | Mixed version of 4 tracks resulting from the software. Spectograms of a tanh(G\*sin(2pi\*f)) distortion, with a frequency sweep of 20 to 20kHz. Anti-aliasing strategy. Mentioned possible scope reduction. |
| 6 | 13-Sep-21 | Documentation and debugging. Work on MIDI library integration. | Documentation. More system debugging. Full MIDI library integration. |  |  |
| 7 | 20-Sep-21 | Refactor code to avoid data duplication. Documentation. | Refactored code. Rewrote parts for efficiency. Added waveshaping support. | 27-Sep-21 | Code for predifined LUTs. Master design for software. Software is complex, intensive, and can fill up the entire report - SCOPE CHANGED TO EXCLUDE STM32 IMPLEMENTATION. |
| 8 | 27-Sep-21 | Start system tests. MATLAB analysis code. | MATLAB analysis code. Started basic system tests. Shortened report. Report length too long. |  |  |
| 9 | 04-Oct-21 | Debugging. | Debugging. System is mostly operational. |  |  |
| 10 | 11-Oct-21 | Debug. Generate test audio. Identify further problems. | Generated test audio. Better system interface added. Better waveshaping. | 12-Oct-21 | Additional audio track. Skripsie progress. Report format not up to standard. Must change report orginisation. |
| 11 | 18-Oct-21 | Reorganise report. | Reorganised report. Continued work on documentation. Shortened report. |  |  |
| 12 | 25-Oct-21 | System tests and analysis. | System testing and documentation. |  |  |
| 13 | 01-Nov-21 | System tests and analysis. Work on testing documentation | Conducted interviews for final test. Updated figures and testing documentation. |  |  |
| 14 | 08-Nov-21 | Report writing. | Finished report. Commence editing, and prepare presentation. | 09-Nov-21 | Feedback on the entirety of skripsie project |
| 15 | 15-Nov-21 | Hand in. Work on poster and video. |  |  |  |