# Proposal for Interdisciplinary Team Project

**BSHC(E)2, BSHBIS(E)2, HCC(E)2, BSHTM2, HCBC2**

|  |  |
| --- | --- |
| **Project title:** | AAA (Audio Acoustic Assistant) |
| **Group:** | Group 14 |
| **Project manager:** | Cedric Vecchionacce |
| **Team members:** | Colin Allen,  Keith Feeney,  Patrick Lawlor,  Fearghal McMorrow,  Cedric Vecchionacce |

## Overview

**What is this project about?**

The project is to build an audio acoustic application; the aim of the application is to create the perfect environment for noise control. By giving the user a step by step guide and the fundamental tools and formulas needed to perform a professional acoustic treatment in a room and achieving the best environment for sound quality when recording.

## Target group

**Who will use this software? Are any skills or prior-knowledge required to use this software? Why would users want to use this software? Are there different roles involved (e.g., admin vs. user)?**

The software will be used as a tool for those who wish to adjust the sound quality of their environment. The target group would be amateur YouTubers, Voice actors, Musicians, Music producers, and Venues (For Concerts and Presentations).

There are no skills or prior-knowledge required to use our software. We are aiming for a large demographic that includes amateurs and professionals alike.

The target audience would want to use our software to create an ideal audio environment suitable for recording, broadcasting, and noise control.

The tools and formulas will be separated based on target group, Youtubers will need access to different calculations to Musicians. Therefore, users can separate themselves into different roles based on which calculations they need access to.

## Market Analysis

**Are there similar applications? How is your proposed idea and application different?**

There are applications that work with audio, for tuning guitars and audio equipment. However, there aren’t any applications which calculate the reverb of a room. The proposed idea is unique and has a more specific use case, from any other audio application in the market. Our application could incorporate audio equipment tuning, to compete with the current market, however that would be implemented after the initial release.

## Functionality

**What can this software do? What it cannot do?**

## Mock-up

How will this software look like? Create a mock-up that illustrates the functionality and insert it here. You may use wireframe software (e.g., Balsamiq, FluidUI, etc.), graphics software or presentation software to create an impression of the user interface.

The languages used in the project will be Java, MySql, HTML5, CSS, jQuery, JavaScript, Ajax and PHP.

## Project Plan

How will you ensure that you meet the project milestones and successfully complete the project within the allocated timeframe? Add your own deadlines to the milestones provided. Create a Gantt chart illustrating the project deadlines and time line using Microsoft Project or a similar software.

## Summary

Overall, what is the benefit of this software? Are there any risks involved?