When undertaking a research or enterprise project, Cardiff Met staff and students are obliged to complete this form in order that the ethics implications of that project may be considered.

**If the project requires ethics approval from an external agency (e,g., NHS)**, you will not need to seek additional ethics approval from Cardiff Met. You should however complete Part One of this form and attach a copy of your ethics letter(s) of approval in order that your School has a record of the project.

The document ***Ethics application guidance notes*** will help you complete this form. It is available from the [Cardiff Met website](http://www.cardiffmet.ac.uk/research/Pages/Research-Ethics.aspx). The School or Unit in which you are based may also have produced some guidance documents, please consult your supervisor or School Ethics Coordinator.

Once you have completed the form, sign the declaration and forward to the appropriate person(s) in your School or Unit.

**PLEASE NOTE:   
Participant recruitment or data collection MUST NOT commence until ethics approval has been obtained.**

**PART ONE**

|  |  |
| --- | --- |
| Name of applicant: | Alexander O’Callaghan |
| Supervisor (if student project): | Ambikesh Jayal |
| School / Unit: | Management |
| Student number (if applicable): | 20066908 |
| Programme enrolled on (if applicable): | Software engineering |
| Project Title: | Evaluation of various techniques, and execution times, of different filtering systems against audio files |
| Expected start date of data collection: | N/A |
| Approximate duration of data collection: | N/A |
| Funding Body (if applicable): | N/A |
| Other researcher(s) working on the project: | N/A |
| Will the study involve NHS patients or staff? | No |
| Will the study involve human samples and/or human cell lines? | No |

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| Does your project fall entirely within one of the following categories: | |
| Paper based, involving only documents in the public domain | Yes |
| Laboratory based, not involving human participants or human samples | No |

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| Practice based not involving human participants (eg curatorial, practice audit) | No |
| Compulsory projects in professional practice (eg Initial Teacher Education) | No |
| A project for which external approval has been obtained (e.g., NHS) | No |
| If you have answered YES to any of these questions, expand on your answer in the non-technical summary. No further information regarding your project is required.  If you have answered NO to all of these questions, you must complete Part 2 of this form | |

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| In no more than 150 words, give a non-technical summary of the project |
| Comparing how different types of filters work on songs when comparing them against recorded versions of themselves. By taking music files and recording them with different types of noise (vacuum cleaning sound, white noise etc) I will apply a range of filters and asses the a) performance of the filter in terms of computation speed and b) the extent that the filter can “clean” the sound of the noise and compare the output to the original sound file. With results generated I will be able to discuss if any trends have been found e.g if filter 2 is best at reducing white noise but slower than average. The value of the project will be to further understand the application of filtering types when making design choices in a system that looks to include filtering audio signals. |

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| **DECLARATION:**  **I confirm that this project conforms with the Cardiff Met Research Governance Framework**  **I confirm that I will abide by the Cardiff Met requirements regarding confidentiality and anonymity when conducting this project.**  **STUDENTS: I confirm that I will not disclose any information about this project without the prior approval of my supervisor.** | |
| Signature of the applicant: | Date: 29/04/2020 |
| **FOR STUDENT PROJECTS ONLY** | |
| Name of supervisor: Ambikesh Jayal | Date: |
| Signature of supervisor: | |

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| **Research Ethics Committee use only** | | | |
| Decision reached: | Project approved | |  |
| Project approved in principle | |  |
| Decision deferred | |  |
| Project not approved | |  |
| Project rejected | |  |
| Project reference number: Click here to enter text. | | | |
| Name: Click here to enter text. | | Date: Click here to enter a date. | |
| Signature: | | | |
| Details of any conditions upon which approval is dependant:  Click here to enter text. | | | |

**PART TWO**

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| **A RESEARCH DESIGN** | |
| A1 Will you be using an approved protocol in your project? | Choose an item. |
| A2 If yes, please state the name and code of the approved protocol to be used[[1]](#footnote-1) | |
| N/A | |
| A3 Describe the research design to be used in your project | |
| - research method(s)  Use non copywritten music to produce audio signal  Then write a program to compare different versions of signal through a digital "filter"  record the data that the filter produces  - sample and sampling  The sample for this project will be the song files selected for testing, which a range of filters will be applied to.  They are selected in a convenience sampling way. They fact they are copyright free eases restrictions on the project.  - recruitment of participants  N/A  - analytical techniques  Quantitative techniques will be used to analyse results.  The project will be aiming to reject a null hypothesis, that there is no significant difference between filter types. | |
| A4 Will the project involve deceptive or covert research? | No |
| A5 If yes, give a rationale for the use of deceptive or covert research | |
| N/A | |
| A6 Will the project have security sensitive implications? | No |
| A7 If yes, please explain what they are and the measures that are proposed to address them | |
| N/A | |

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| **B PREVIOUS EXPERIENCE** |
| B1 What previous experience of research involving human participants relevant to this project do you have? |
| N/A |
| B2 **Student project only** What previous experience of research involving human participants relevant to this project does your supervisor have? |
| N/A |

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| **C POTENTIAL RISKS** |
| C1 What potential risks do you foresee? |
| Include details of risks to the participants, the researcher and the project as a whole. |
| C2 How will you deal with the potential risks? |
| Click here to enter text. |

When submitting your application you **MUST** attach a copy of the following:

* All information sheets
* Consent/assent form(s)

An exemplar information sheet and participant consent form are available from the Research section of the Cardiff Met website.

1. An Approved Protocol is one which has been approved by Cardiff Met to be used under supervision of designated members of staff; a list of approved protocols can be found on the Cardiff Met website here [↑](#footnote-ref-1)