Fast-Track Ethical Approval Form

This fast-track form is for **taught students** only. The form needs to be filled by the student and their advisor (or module leader if the project is a module assignment).

Research students and staff must complete the Full Ethical Approval Form.

**Students:** You need to discuss the ethical considerations of your project with your project advisor (or module leader if the project is a module assignment) and, if necessary, fill in a full ethics form to be submitted to the Physical Sciences Ethics Committee.

**Advisors (or Module Leaders):** You need to review and approve the completed form. Please ensure you are familiar with the University’s ‘Code of practice and principles for good ethical governance’ to guide your student effectively. Please seek guidance from the Departmental Ethics Officer(s) if you are uncertain about any ethical issue arising from this application.

# Potential Ethical Issues

Does your project involve any of the following? Please mark Yes or No for **all** issues.

|  |  |  |
| --- | --- | --- |
| Yes | No |  |
| |  | | --- | | y | | |  | | --- | |  | | Human participants (adults or children) |
| |  | | --- | |  | | |  | | --- | | x | | Human material (e.g. tissue or fluid samples) |
| |  | | --- | |  | | |  | | --- | | x | | Human data (e.g. surveys and questionnaires on issues such as lifestyle, housing and working environments, attitudes and preferences) |
| |  | | --- | |  | | |  | | --- | | x | | Vertebrates, especially mammals and birds |
| |  | | --- | |  | | |  | | --- | | x | | Any other organisms not previously mentioned |
| |  | | --- | |  | | |  | | --- | | x | | Military or defence context |
| |  | | --- | |  | | |  | | --- | | x | | Funding sources or collaboration with potential to adversely affect existing relationships or bring the University or Department into disrepute (e.g. projects related to gambling, dark market, etc.) |
| |  | | --- | |  | | |  | | --- | | x | | Restrictions on dissemination |
| |  | | --- | |  | | |  | | --- | | x | | Overseas countries under regimes with poor human rights record or identified as dangerous by the Foreign & Commonwealth Office |
| |  | | --- | |  | | |  | | --- | | x | | Applications that could potentially involve unethical practice, including potential dual-use applications which could be unethical (e.g. projects involving tools or data that can be used to attack systems) |

If you answered **No** to all the above, you do not need an ethical approval.

If you answered **Yes** to any of the above, you must complete this Fast-Track Ethical Approval Form, get it signed off by your project advisor (or module leader), and submit it for approval to the Departmental Ethics Officer(s).

This form is designed to verify specific conditions. If certain conditions are not satisfied, the form will guide you to complete a full Ethical Approval Application, to be approved by the Physical Science Ethics Committee.

# Project Information

|  |  |  |
| --- | --- | --- |
| Student Name: | |  | | --- | | Darren Rutter | |
| Course Title: | |  | | --- | | MSc Computer Science | |
| Project Advisor: | |  | | --- | | Dr Piyush Dhawankar | |
| Project Title: | |  | | --- | | Creating a Hate Speech Detection Algorithm for Twitter | |

Project Type – Please mark one box:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  | | --- | |  | | Undergraduate Project | |  | | --- | | xx | | Postgraduate Project |
| |  | | --- | |  | | Undergraduate Module Assignment | |  | | --- | |  | | Postgraduate Module Assignment |
| |  | | --- | |  | | |  |  | | --- | --- | | Other – Please specify: |  | | | |

# Informed Consent

If you do not have participants in your study, please mark the following and skip to Section 4.

|  |  |  |
| --- | --- | --- |
| |  | | --- | | x | | There are no participants in my study. |

If you have participants in your study, complete the following table.

If you answer **No** to any of the following, you must submit a Full Ethical Approval Form.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Yes | No | N/A |
| 1 | Will you inform the participants of the purpose of the study, the investigators, and any funding source? | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | |
| 2 | Will you describe the procedures and the data collected to participants in advance, so that they are informed about what to expect? | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | |
|  | Note: any personal or sensitive information, and any audio or video recording must be explained explicitly and in detail. |  |  |  |
| 3 | Will you tell participants that their data will be treated with full confidentiality and that, if published, it will not be identifiable as theirs? | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | |
|  | Note: If there is a plan to publish data, e.g. direct quotations, on an individual basis (rather than in aggregate), the exact anonymisation method needs to be explained clearly. |  |  |  |
| 4 | Will you inform participants of any possible risks of participation? | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | |
| 5 | Will you inform participants that their participation is voluntary, that they may withdraw from the research at any time (even after the data collection, for as long as possible) and for any reason without any negative consequences, and how they can request withdrawal? | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | |
| 6 | Will you obtain and record explicit consent for participation? | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | |
| 7 | If the research is observational, will you obtain and record explicit consent to being observed? | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | |
| 8 | If the research involves audio or video recording, will you obtain and record explicit consent to being recorded? | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | |
| 9 | If there is a plan to publish data, e.g. direct quotations, on an individual basis, will you obtain and record explicit consent to such publication? | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | |
| 10 | If you wish to contact participants in the future, will you obtain and record explicit consent to being contacted with contact method specified? | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | |

If you answered Yes to any of the above, this must be **explicit** in your supporting documents, e.g. consent forms, information sheets, and questionnaires. You need to submit these supporting documents along with this form.

# Protocol Issues

If you answer **Yes** to any of the following, you must submit a Full Ethical Approval Form.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Yes | No | N/A |
| 1 | Is your study designed to be challenging or disturbing (physically or psychologically) for anyone including yourself? | |  | | --- | |  | | |  | | --- | | x | | |  | | --- | |  | |
| 2 | Will you deliberately mislead your participants? | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | | x | |
| 3 | Does your study involve taking bodily samples? | |  | | --- | |  | | |  | | --- | | x | | |  | | --- | |  | |
| 4 | Is your study physically invasive? | |  | | --- | |  | | |  | | --- | | x | | |  | | --- | |  | |
| 5 | Is there any obvious or inevitable adaptation of your research findings to ethically questionable aims? | |  | | --- | |  | | |  | | --- | | x | | |  | | --- | |  | |
| 6 | Could the methodologies or findings of your study damage the reputation of the University of York? | |  | | --- | |  | | |  | | --- | | x | | |  | | --- | |  | |

# Health and Safety

Please identify any risks to the participants and state any precautions you will take to ensure their health and safety. If you believe there are no risks, please state why.

|  |
| --- |
| There are no participants in this study, and the study will be undertaken remotely, using only available software. |

# Animals and Vulnerable Groups

If you answer **Yes** to any of the following, you must submit a Full Ethical Approval Form.

If your participants are **patients**, in addition to the Full Ethical Application you must follow the Guidelines for Ethical Approval of NHS Projects.

If your project involves any vulnerable group, you may also need to obtain satisfactory Disclosure and Barring Service (DBS) clearance (or equivalent for overseas students).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Yes | No | N/A |
| 1 | Does your project involve working with animals | |  | | --- | |  | | |  | | --- | | x | | |  | | --- | |  | |
| 2 | Does your project involve any of the following vulnerable groups? |  |  |  |
|  | * Children under 18 | |  | | --- | |  | | |  | | --- | | x | | |  | | --- | |  | |
|  | * People with learning difficulties | |  | | --- | |  | | |  | | --- | | x | | |  | | --- | |  | |
|  | * People who are unconscious or severely ill | |  | | --- | |  | | |  | | --- | | x | | |  | | --- | |  | |
|  | * Patients, e.g. NHS patients | |  | | --- | |  | | |  | | --- | | x | | |  | | --- | |  | |
|  | * Other vulnerable groups – specify below | |  | | --- | |  | | |  | | --- | | x | | |  | | --- | |  | |
|  | |  | | --- | |  | |  |  |  |

# Data Protection

If you answer **No** to any of the following, you must submit a Full Ethical Approval Form.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Yes | No | N/A |
| 1 | Any personal or sensitive data will be stored in a password-protected folders on computers controlled by the University or an approved partner. | |  | | --- | | x | | |  | | --- | |  | | |  | | --- | |  | |
| 2 | Any hard copies of personal data (including any hard-copy consent forms) will be stored in a secure place within University premises or those of an approved partner. | |  | | --- | | x | | |  | | --- | |  | | |  | | --- | |  | |
| 3 | Only the student and advisor will have access to the data generated from the study.  Note: The advisor may share the anonymised data with other researchers at the University of York, but the consent form needs to make this clear. | |  | | --- | | x | | |  | | --- | |  | | |  | | --- | |  | |
| 4 | The data will be preserved beyond the study in line with University policy and will be placed in the custody of the advisor at the end of the project, or destroyed in accordance with information provided to participants. | |  | | --- | | x | | |  | | --- | |  | | |  | | --- | |  | |
| 5 | All data will be anonymised prior to analysis. | |  | | --- | |  | | |  | | --- | | x | | |  | | --- | |  | |
|  | Please state your method of anonymisation:   |  | | --- | | I will remove any usernames from the datasets by searching the datasets for the @ symbol, which will be immediately followed by a username and the whole string removed. However, names and other information may still exist in the dataset. | |  |  |  |

# Project Description

Provide a clear statement of your research question(s) or your experimental hypothesis(es).

|  |
| --- |
| 1. To create a definition of hate speech in an online setting, specifically social media.  2. Can artificial intelligence techniques, such as regression, decision trees and Naïve Bayes, be used to detect and identify posts on social media containing hate speech?  3. What was the most common form of hate speech in 2020? |

Briefly explain what you are going to do in your study. Give sufficient detail so that a non-expert in the subject can understand what you are proposing to do.

|  |
| --- |
| I will first combine different definitions from a range of sources, including legal and international organisations’, dictionaries and social media, to create a new definition of hate speech for social media.  I will then combine 3 different datasets of posts collected from Tweets from External Databases, available to use for free, containing both hateful and non-hateful content, all from no more recent than 2020, remove usernames from the datasets, and implement Python and WEKA to create an supervised machine learning algorithm to detect hate speech from the datasets.  I will finally use the algorithm, Python and WEKA, to establish the most common form of hate speech in 2020. |

If you have participants in your project, briefly specify each of the following:

1. Who are your target participants and how are you recruiting them?

|  |
| --- |
| I do not have participants |

1. Exactly what pieces of personal and demographic information you are collecting? Explain why you **need** each.

|  |
| --- |
| None |

1. How are you planning to publish your data and analysis results: on an aggregate basis or on an individual basis? If on an individual basis, explain why you **need** to do so and if they will be anonymised.

|  |
| --- |
| The data will be on an individual basis, as posted. The data will be anonymised as it will not contain the original creator’s username or any other commonly identifiable information. However, an individual Tweet could still be identified by using the Twitter ‘search’ function, or the Tweet may contain some information such as names without an identifying symbol, which the cleaning process will not affect. |

1. Is there a risk that the data or analysis results you publish can be de-anonymised? If yes, explain how you are planning to mitigate it.

|  |
| --- |
| Yes. I will remove usernames, which will be usually indicated by the @ symbol immediately before it. However, in some cases, some usernames may not be indicated by this symbol, or the content may contain other identifying information such as names. |

1. If you have questionnaires or interviews, will you give participants the option of skipping any questions they do not want to answer? If any of your questions is/are mandatory, explain why it/they **must** be.

|  |
| --- |
| I will not use questionnaires or interviews |

# Student Declaration

Please mark the boxes below and sign.

|  |  |  |
| --- | --- | --- |
| |  | | --- | | x | | I have considered the ethical implications of this project and have identified no significant ethical implications requiring a full ethics application submission to the Physical Sciences Ethics Committee. |
| |  | | --- | | x | | I have included all supporting documents (e.g. consent form, information sheet, questionnaires, interview schedules) with this application. |
| |  | | --- | | x | | All the components specified in Section 3 are included explicitly in the information sheet / consent form submitted with this application (if applicable). |

|  |  |  |
| --- | --- | --- |
| Student Name: | |  | | --- | | Darren Rutter | |
| Student Signature: | |  | | --- | |  | |
| Date: | |  | | --- | | 25/07/2022 | |

# Advisor (or Module leader) Approval

If this project is related to any previously approved work, please include the reference number(s) for that work here.

|  |
| --- |
| NA |

Please mark the boxes below and sign.

|  |  |  |
| --- | --- | --- |
| |  | | --- | | x | | The student has taken all reasonable steps to ensure ethical practice in this study and I can identify no significant ethical implications requiring a full ethics application submission to the Physical Sciences Ethics Committee. |
| |  | | --- | | x | | I have checked and approved all supporting documents required for this application. |
| |  | | --- | | x | | I understand that completion of this form indicates that from the ethical point of view I am willing to share responsibility for the work being conducted. |

|  |  |  |
| --- | --- | --- |
| Advisor Name: | |  | | --- | | Dr Piyush Dhawankar | |
| Advisor Signature: | |  | | --- | |  | |
| Date: | |  | | --- | | 26/7/2022 | |

# Submission

Instructions for student: Please make sure this form is completed in full and signed by you. Submit to the Projects Coordinator (RP) or your Project Supervisor (IRP). Be prepared to discuss the your project and this form in full with your Project Supervisor.

Instructions for Project Supervisors: Please make sure this form is completed in full, signed by both the student and the Project Supervisor. Forms must be accompanied by required supporting documents (e.g. participant information sheet and consent forms). Once completed, sign the form and submit this form and all **supporting documents**, preferably all in **pdf** unless other file types are appropriate, by email to the Departmental Ethics Officer(s) at [cs-ethics@york.ac.uk](mailto:cs-ethics@york.ac.uk).