|  |  |
| --- | --- |
| Office Record | Receipt – APU Fast-Track Ethical Approval |
|  | Student name: TEOH KHENG HONG |
| Date Received: | Student number: TP030562 |
|  | Received by: |
| Received by: | Date: |



**APU/APIIT FAST-TRACK ETHICAL APPROVAL FORM (STUDENTS)**

Tick one box (level of study):

* POSTGRADUATE (PhD / MPhil / Masters)
* UNDERGRADUATE (Bachelors degree)
* FOUNDATION / DIPLOMA / Other categories

Tick one box (purpose of approval):

* Thesis / Dissertation / FYP project
* Module assignment
* Other:

Title of Programme on which enrolled … …MS…C IN…DA…TA…SC…IEN…CE…AN…D B…US…INE…SS …ANA…LY…TIC…S … … … … … …

Tick one box: □ Full-Time Study or □ Part-Time Study

MACHINE LEARNING ALGORITHMS

Name of student researcher … …TEO…H …KHE…NG…HO…NG… … … … … … … … … … … … … … … … … …

Name of supervisor / lecturer… … M…R…. DH…AS…ON…P…AD…MA…KU…MA…R … … … … … … … … … … … … … … …

Title of project / assignment …IN…DE…NTI…FYI…NG…FR…AUD…UL…EN…T A…CTI…VIT…Y IN…BL…OC…KCH…AI…N T…RAN…SA…CT…ION…S U…SIN…G …

# Student Researchers- please note that certain professional organisations have ethical guidelines that you may need to consult when completing this form.

**Supervisors/Module Lecturers - please seek guidance from the Chair of the School Research Ethics Committee if you are uncertain about any ethical issue arising from this application.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | YES | NO | N/A |
| 1 | Will you describe the main procedures to participants in advance, so that they are informed about what to expect? |  |  |  |
| 2 | Will you tell participants that their participation is voluntary? |  |  |  |
| 3 | Will you obtain written consent for participation? |  |  |  |
| 4 | If the research is observational, will you ask participants for their consent to being observed? |  |  |  |
| 5 | Will you tell participants that they may withdraw from the research at any time and for any reason? |  |  |  |
| 6 | With questionnaires and interviews will you give participants the option of omitting questions they do not want to answer? |  |  |  |
| 7 | Will you tell participants that their data will be treated with full confidentiality and that, if published, it will not be identifiable as theirs? |  |  |  |
| 8 | Will you give participants the opportunity to be debriefed i.e. to find out more about the study and its results? |  |  |  |

If you have ticked No to any of Q1-8**,** you should complete the full Ethics Approval Form.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | YES | NO | N/A |
| 9 | Will your project/assignment deliberately mislead participants in any way? |  |  |  |
| 10 | Is there any realistic risk of any participants experiencing either physical or psychological distress or discomfort? |  |  |  |
| 11 | Is the nature of the research such that contentious or sensitive issues might be involved? This includes research which could induce psychological stress, anxiety or humiliation, or cause more than  minimal pain. |  |  |  |
| 12 | Does your research involve the use of sensitive materials? Eg, records of personal or sensitive confidential information, |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 13 | Does your research require external agency approval? |  |  |  |
| 14 | Does your research use hazardous or controlled substance? |  |  |  |
| 15 | Does your research require you to visit participants in their home or non-public space? |  |  |  |
| 16 | Does your research use genetically modified organisms? |  |  |  |
| 17 | Does your research investigate illegal activities or behaviours? |  |  |  |
| 18 | Does your research involve discussion or collection of information on potentially sensitive, embarrassing or distressing topics, administrative or secure data? This includes research involving respondents through internet where visual images are used, and where sensitive issues are discussed |  |  |  |
| 19 | Does your research involve invasive or potentially intrusive procedures? |  |  |  |
| 20 | Does your research involve administration of substances? |  |  |  |
| 21 | Will your research be involved in the collection/ processing of human tissue samples |  |  |  |
| 22 | Will your participants be receiving financial compensation for participating in your research? |  |  |  |
| 23 | Will your research data be used in the future after the conclusion of your project? |  |  |  |
| 24 | Will your research involve in processing sensitive data belonging to an organisation/persons? |  |  |  |
| 25 | Will your research be collecting photographs, videos, and audio recordings of the participants? |  |  |  |
| 26 | Will the participants’ personal particulars be known to any third party? |  |  |  |
| 27 | Will the participants’ data confidentiality be made known to the public? |  |  |  |
| 28 | Will the research be conducted where the safety of the researchers maybe in question? |  |  |  |
| 29 | Will be the research be conducted outside of the UK and/or Malaysia? |  |  |  |
| 30 | Will your research involve human participants at premises other than those of the University? |  |  |  |
|  |  |  |  |  |

If you have ticked Yes to any of Q9 – 30**,** you should complete the full Ethics Approval Form. In relation to question 10 this should include details of what you will tell participants to do if they should experience any problems (e.g. who they can contact for help). You may also need to consider risk assessment issues.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | | YES | NO | N/A |
| 31 | Does your project/assignment involve work with animals? | |  |  |  |
| 32 | Do participants fall into any of the following special groups?  **Note that you may also need to obtain satisfactory** | Children (under 18 years of age) |  |  |  |
| People with communication or learning difficulties |
| Patients |
| People in custody |
| People who could be regarded as vulnerable or lack capacity to make decision for themselves |
| People engaged in illegal activities ( eg drug taking ) |
| Groups of people whose relationship among each other allow one to have influence over the other such  as: |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **clearance from the relevant authorities** | Carers and patients with chronic conditions; teachers and their students; prison authorities and prisoners; employers and employees |  |  |  |
| Deceased person’s body parts or other human tissues including bodily fluids (e.g. blood, saliva). |
| groups where permission of a gatekeeper is normally required for initial access to members. |
| Human participants who are off-campus APU staff or students who wish to carry out investigations involving human participants at premises other than those of  the University |
| 33 | Does the project/assignment involve external funding or external collaboration where the funding body or external collaborative partner requires the University to provide evidence that the project/assignment had been subject to ethical scrutiny? | |  |  |  |

If you have ticked Yes to any Q31-33**,** you should complete the full Ethics Approval Form. There is an obligation on student and supervisor to bring to the attention of the APU School Research Ethics Committee any issues with ethical implications not clearly covered by the above checklist.

# STUDENT RESEARCHER

Provide in the boxes below (plus any other appended details) information required in support of your application. THEN SIGN THE FORM.

# Please Tick Boxes

|  |  |
| --- | --- |
| I consider that this project/assignment has no significant ethical implications requiring a full ethics submission to the APU School Research Ethics Committee. |  |
| I am aware of APU liability policy and will make the necessary arrangement for insurance coverage of all researchers and participants of the project/assignment. |  |
| Give a brief description of participants, procedure of recruitment and procedure of data collection (methods, tests used etc) in up to 150 words.  The project is about gathering some public data that is available on the Internet that can be used to generating data source for data science and machine learning model development, such as downloading a part of blockchain transactions from Etherscan website and analyse the data  in terms of data that can be used to indicate fraudulent transaction. The model is built using the datasets and the testings are later conducted on other parts of transactions to evaluate the results. | |
| I also confirm that:   1. All key documents e.g. consent form, information sheet, questionnaire/interview, and all material such as emails and posters for the purpose of recruitment of participants are appended to this application.   Or   1. Any key documents e.g. consent form, information sheet, questionnaire/interview schedules which need to be finalised following initial investigations will be submitted for approval by the project/assignment supervisor/module lecturer before they are used in primary data collection. |  |
|  |

Signed Print Name… …T…EO…H …KH…EN…G …HO…NG… … Date…10…/03…/20…23

*(Student Researcher)*

# Within this document, any variation to the items considered which affects ethical issues of the stated research will require submission of a revised research plan and research methodology details; as a consequence, new ethical consent may need to be sought*.*

**The completed form (and any attachments) should be submitted for consideration by your Supervisor/Module Lecturer**

# SUPERVISOR/MODULE LECTURER PLEASE CONFIRM THE FOLLOWING:

**Please Tick Box**

|  |  |
| --- | --- |
| I consider that this project/assignment has no significant ethical implications requiring a full ethics submission to the APU School Research Ethics Committee |  |
| I have checked and approved the key documents required for this proposal (e.g. consent form, information sheet, questionnaire, interview schedule) |  |

# SUPERVISOR AND SECOND ACADEMIC SIGNATORY

**STATEMENT OF ETHICAL APPROVAL (please delete as appropriate)**

1. **THIS PROJECT/ASSIGNMENT HAS BEEN CONSIDERED USING AGREED APU PROCEDURES AND IS NOW APPROVED**
2. **THIS PROJECT/ASSIGNMENT HAS BEEN APPROVED IN PRINCIPLE AS INVOLVING NO SIGNIFICANT ETHICAL IMPLICATIONS, BUT FINAL APPROVAL FOR DATA COLLECTION IS SUBJECT TO THE SUBMISSION OF KEY DOCUMENTS FOR APPROVAL BY SUPERVISOR (see Appendix A)**

DhasonPadmakumar… … … … … … … … … … … Print Name… …MR…. DH…ASO…N P…AD…MAK…UM…AR … … Date Sat,1-Jul-2023… … … …

*(Supervisor/Lecturer)*

Signed… … …… … … … … … … … … … … Print Name…AS…SO…C. P…ROF…. DR…. N…G K…ENG…HO…ONG… Date … … … …

*(Second Academic Signatory)*

|  |  |
| --- | --- |
| Office Record | Receipt – Appendix A (APU Fast-Track Ethics Form) |
|  | Student name: TEOH KHENG HONG |
| Date Received: | Student number: TP030562 |
|  | Received by: |
| Received by: | Date: |

# APPENDIX A

**AUTHORISATION FOR USE OF KEY DOCUMENTS**

# Completion of Appendix A is required when for good reasons key documents are not available when a fast track application is approved by the supervisor/module lecturer and second academic signatory.

I have now checked and approved all the key documents associated with this proposal e.g. consent form, information sheet, questionnaire, interview schedule

Title of project/assignment… … M…SC…IN D…AT…A SC…IEN…CE…AND…BU…SIN…ESS…AN…ALY…TIC…S

… … … … … … … … … … … …

… … … … … … … … … … … … … … … … … … … … … … … … … … … … … … … ………………….

Name of student researcher … … … T…EO…H K…HEN…G H…ONG… … … … … … … … … … … … … … … … .………

TP030562 APDMP2201DSBA(DE)(PR)

Student ID: ……………………………… Intake: … … … … … … … … … … … … … … … ……..

DhasonPadmakumar… … … … … … … … … … … Print Name… …MR…. DH…ASO…N P…AD…MAK…UM…AR … … Date Sat,1-Jul-2023… … … …

*(Supervisor/Lecturer)*