

## Undergraduate and PGT Application

### START HERE - Basic Information

This form must be completed for all student projects.

#### Before you proceed

Some activities inherently involve increased risks or approval by external regulatory bodies, so a proportional ethics review is not recommended and a full ethical review may be required.

These may include:

- i. Approval from an external regulatory body (including, but not limited to: NHS (HRA), HMPPS etc.);
- ii. Misleading participants;
- iii. Research without the participants' consent;
- iv. Clinical procedures with participants;
- v. The ingestion or administration of any substance to participants by any means of delivery;
- vi. The use of novel techniques, even where apparently non-invasive, whose safety may be open to question;
- vii. The use of ionising radiation or exposure to radioactive materials;
- viii. Engaging in, witnessing, or monitoring criminal activity;
- ix. Engaging with, or accessing terrorism related materials;
- x. A requirement for security clearance to access participants, data or materials;
- xi. Physical or psychological risk to the participants or researcher;
- xii. The project activity takes place in a country outside of the UK for which there is currently an active travel warning issued by the authorities (see info button);
- xiii. Animals, animal tissue, new or existing human tissue, or biological toxins and agents.

**If any of these activities are fundamental to your project, please contact your supervisor to determine if a full application is required.**

This form must be completed for each research project which you undertake at the University. It must be approved by your supervisor (where relevant) PRIOR to the start of any data collection.

In completing this form, please consult the University's [ACADEMIC ETHICAL FRAMEWORK](#) for ethical research.

A1 Please confirm that you will abide by the University's Academic Ethical Framework in relation to this project.

- ☒ Yes  
☐ No

A2 Are you submitting this application as a learning experience, for a unit which already has ethical approval? (please confirm with your supervisor)

- ☐ Yes  
☒ No

A3 Student details

| Title                | First Name                                            | Surname                            |
|----------------------|-------------------------------------------------------|------------------------------------|
| <input type="text"/> | <input type="text" value="Ryan"/>                     | <input type="text" value="Simms"/> |
| Email                | <input type="text" value="ryan.simms@stu.mmu.ac.uk"/> |                                    |

A4 Supervisor

| Title                           | First Name                                           | Surname                          |
|---------------------------------|------------------------------------------------------|----------------------------------|
| <input type="text" value="Dr"/> | <input type="text" value="Kevin"/>                   | <input type="text" value="Tan"/> |
| Faculty                         | <input type="text" value="Science and Engineering"/> |                                  |
| Telephone                       | <input type="text" value="0161 247 1547"/>           |                                  |
| Email                           | <input type="text" value="K.Tan@mmu.ac.uk"/>         |                                  |

A5 Which Faculty is responsible for the project?

Science and Engineering

A6 Course title

A7 Project title

A8 What is the proposed start date of your project?

A9 When do you expect to complete your project?

A10 Please describe the overall aims of your project (3-4 sentences). Research questions should also be included here.

The aim of the project for me is to make a unique game with my own custom algorithms and mathematical equations that makes the game stand out to potential customers or clients. The aim for the user is to improve hand eye coordination and with the implementation of avoiding objects this could help with reactions as well.

A11 Please describe the research activity

I have researched the background and history of virtual reality and done some research on the actual machine that my game is based on.

A12 Please provide details of the participants you intend to involve (please include information relating to the number involved and their demographics; the inclusion and exclusion criteria)

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## Project Activity

B1 Are there any Health and Safety risks to the researcher and/or participants?

- ☐ Yes  
☒ No

B2 Please select any of the following which apply to your project

- ☐ Aspects involving human participants (including, but not limited to interviews, questionnaires, images, artefacts and social media data)  
☐ Aspects that the researcher or participants could find embarrassing or emotionally upsetting  
☐ Aspects that include culturally sensitive issues (e.g. age, gender, ethnicity etc.)  
☐ Aspects involving vulnerable groups (e.g. prisoners, pregnant women, children, elderly or disabled people, people experiencing mental health problems, victims of crime etc.), but does not require special approval from external bodies (NHS, security clearance, etc.)  
☐ Project activity which will take place in a country outside of the UK  
☒ None of the above

B2.4 Is this project being undertaken as part of a larger research study for which a Manchester Metropolitan application for ethical approval has already been granted or submitted?

- ☐ Yes  
☒ No

## Data

F1 How and where will data and documentation be stored?

My data will be stored on my OneDrive that only I, myself, can access

F2 Will you be collecting personal data or sensitive personal data as part of this project?

- ☐ Yes  
☒ No

## Additional Information

G1 Do you have any additional information or comments which have not been covered in this form?

- ☐ Yes  
☒ No

G2 Do you have any additional documentation which you want to upload?

- ☒ Yes  
☐ No

G2.1 Please attach a copy of any other materials relevant to this application

| Type                     | Name                                               | File Name                                              | Date                | Version | Size     |
|--------------------------|----------------------------------------------------|--------------------------------------------------------|---------------------|---------|----------|
| Additional Documentation | RA_Project_VR_270918                               | RA_Project_VR_270918.pdf                               | 15/10/2018 00:00:00 | 1       | 371.0 KB |
| Additional Documentation | MMU-Research-Insurance-Checklist-v1-0-19-Sept-2016 | MMU-Research-Insurance-Checklist-v1-0-19-Sept-2016.pdf | 15/10/2018 00:00:00 | 1       | 696.4 KB |

## Signatures

H1 I confirm that all information in this application is accurate and true. I will not start this project until I have received Ethical Approval.

- ☒ I confirm  
☐ I do not confirm

H2 Please notify your supervisor that this application is complete and ready to be submitted by clicking "Request" below. Do not begin your project until you have received confirmation from your supervisor - it is your responsibility to ensure that they do this.

**Signed:** This form was signed by Kevin Tan (k.tan@mmu.ac.uk) on 15/10/2018 20:39

H3 By signing this application you are confirming that all details included in the form have been completed accurately and truthfully.

**Signed:** This form was signed by Ryan Simms (ryan.simms@stu.mmu.ac.uk) on 15/10/2018 19:32