

## ITRI 671 Research ethics form: Honours project

**Name:** Affaan Muhammad

**Title of project:** A cellular automata approach to model informal settlement growth

**Supervisor:** Prof Hennie Kruger

**Starting and end dates of project:** 15 Feb 2021 – 1 Nov 2021

1. Have you read the information available related to research ethics (Chapter 5 of Researching Information Systems and Computing; BJ Oates and Chapter 13 of Writing for computer science, J Zobel; Manual for post graduate studies, available on efundi)?	Yes ✓	No
--	-------	----

2. Do you make use of people as source of data in your project (for example the completion of questionnaires or evaluation of products)?	Yes	No ✓
--	-----	------

3. Are there any aspects of your research that you need permission from another party to use (for example use of property or tools)? If yes, provide more detail.	Yes ✓	No
---	-------	----

<p>4. Describe your research question and give a short description of your plans for the collection of data.</p> <p><b>Access for maps from third parties such as AfriGIS, StatsSA, and GeoTerra Image.</b></p>
---

5. Describe how you plan to provide information about yourself and the goals of your research to participants.

**N/A**

6. Describe what methods you will use to get permission from participants in your study.

**N/A**

7. Will you be able to ensure that participants' information will be used in an anonymous, private and confidential way? How?

**N/A**

Yes

No ✓

8. Are there any foreseeable risks of damage (physical, social or psychological) to participants or the environment? If you answer yes, give detail of the preventative measures you will follow.

**N/A**

Yes

No ✓

9. Are there any foreseeable risks to the NWU, for example lawful actions that may follow the research, or damage to the image of the university? If yes, give detail.  <b>N/A</b>	Yes	No <input checked="" type="checkbox"/>
--	-----	--

10. Are there any other ethical issues that may occur during the execution of the research (for example conflicting interests)? If yes, provide detail and explain how you plan to handle them.	Yes	No <input checked="" type="checkbox"/>
<b>N/A</b>		

I declare that the information contained in this form is accurate. I have attempted to identify the risks that may arise in conducting this research and acknowledge my obligations and the rights of the participants. I confirm that the research will be conducted in line with all University, legal and ethical standards.

**Name of student:** Affaan Muhammad  
**Signature:** *Signed Affaan Muhammad*  
**Date:** 18 April 2021

**Name of study leader:** Prof Hennie Kruger  
**Signature:**  
**Date:**

**Name of additional moderator:**  
**Signature:**  
**Date:**