SUBJECT GROUP COMPUTER SCIENCE AND INFORMATION SYSTEMS

Research Proposal for Honours project

The student and the supervisor must consult the *Manual for Postgraduate Studies* prior to writing the research proposal. The *Manual for Postgraduate Studies* explains in detail what is expected at each of the subheadings below. The proposal should not be longer than 5 pages.

The Subject Group requires that the research proposal will be submitted through the use of this form and in the format below. Please complete using a computer.

1 Student initials, surname and student number							
	Initials	Surname	Muham	ımad	Student number	33016763	
2	Degree for which s	tudent is	registe	ered			
	Bachelor of Scie Computer Science Technology						
3	Name of superviso	r					
	Initials and surname	H Kruger					
4	Proposed title						
	Title (preferably not more than 12 words)			A cellular automata approach to model informal settlement growth			
5	Problem statement	and sub	stantia	ition			
	ovide the theme and link we estion, its actuality and how					licate the research	
6	Research aims and	l objectiv	res				
	ovide the different general	•		fic aspects which will fo	orm part of the rese	arch.	
	ims are to create a sound in finformal settlements.	mathematic	al and st	atistical model thereaft	er apply the model	to Life to predict growth	h
а	Objectives are firstly to get access to the relevant maps and datasets. If this is not achievable other methods such as creating it ourselves will be employed. Thereafter creating and applying the model to the maps to predict growth. Lastly compare accuracy.						
7	Basic hypothesis (where ap	plicabl	le)			
N	I/A						

Method of investigation 8

8.1	Literature study
	de an indication only of which literature will be used in the study with a few key references. A summary eliterature is not required here.
8.2	Methods of investigation
	proposed design, data acquisition, procedures, data processing, funding sources (but not a budget), ematical methods, computer methods, etc.
9 1	Provisional chapter division
	it should be clear that there was proper reflection on the appearance of the final product (mini rtation). Provide provisional titles of the various chapters, with a brief outline of the planned content of
	 Introduction Literature Review Artefact Design Discussion Conclusion
	Literature references de complete references to the literature referenced to in this proposal only.
Aff-	18 April 2021 ent Supervisor Date