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.

	Initials A Surname M	UHAMMAD	Student number	33016763	
2	Degree for which student is re Bachelor of Science Honours Computer Science and Informa Technology	in			
3	Name of supervisor				
	Initials and surname				
4	Proposed title				
	Title (preferably not more than 12 words)	A cellular autor growth	A cellular automata approach to model informal settlement growth		
5	Problem statement and substantiation				
	ovide the theme and link with gaps in the lestion, its actuality and how the research			icate the research	
l					

Provide the different general as well as the specific aspects which will form part of the research.

Aims are to create a sound mathematical and statistical model thereafter apply the model to Life to predict growth of informal settlements.

as	as creating it ourselves will be employed. Thereafter creating and applying the model to the maps to predict growth.				
La	Lastly compare accuracy.				
7	Basic hypothesis (where applicable)				
N/	A				
0	Mathadafinyatian				
8	Method of investigation				
8.1	Literature study				
	vide an indication only of which literature will be used in the study with a few key references. A summary ne literature is not required here.				
8.2	Methods of investigation				
The	e proposed design, data acquisition, procedures, data processing, funding sources (but not a budget), thematical methods, computer methods, etc.				
9	Provisional chapter division				
	e it should be clear that there was proper reflection on the appearance of the final product (mini sertation). Provide provisional titles of the various chapters, with a brief outline of the planned content of h.				
1.	Introduction				
2.	Literature Review				
3.	Artefact Design				
4.	Discussion				
5.	Conclusion				
10	Literature references				
Pro	vide complete references to the literature referenced to in this proposal only.				
	18 April 2021				

Student

Supervisor

Date

Objectives are firstly to get access to the relevant maps and datasets. If this is not achievable other methods such