ACCRA INSTITUTE OF TECHNOLOGY

The University of the Future

Capstone Project Thesis Part 2: Grading Scheme

Student Name

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PROJECT TOPIC			
Chapter	**What is being Graded**	**Mark Allotted**	**Mark Awarded**
General Introduction and Summary Chapter [10-15 pages]	**Abstract** The level to which the *Abstract Statement* provides a concise summary of the research work being undertaken; a brief statement of the problem that the research is to address and how it is to be addressed.	**2**	
	The Research Field Subject The extent to which to *Research Field and Subject* is clearly identified/demarcated and put within the context of a specific discipline.	**2**	
	Research Objectives The extent to which the *General Objective of the Research* is clearly stated providing a clear indication of the expected contribution of the research to the general body of knowledge in the subject area. The degree to which the *Specific Objectives* clearly: (i) state how specifically the general objectives will be achieved and (ii) state how they clearly define overall purpose of the study	**2**	
	The Research Problem The extent to which the *Research Problem Statement* describe specifically *what* the problem is that the research intend to solve. And what issues will the research explore and why they need to be explored.	**2**	
	Background and Justification of the Research The extent to which the *Background to the Study* provides a description of: (i) the significant and topical background issues (historical, current) and sub-issues pertaining to the study and why the research work is being undertaken (ii) the current state of	**3**	

	art and status of the relevant body of knowledge in relation to the research and (iii) previous work related to the research		
	It is expected that the *Justification of the Study/Research* should provide a quick sketch of the proposed solution and briefly explain how it differs from other works – and within this context make a strong case for the research in terms of why the research is needed, how would the results of the study fill this need and be beneficial; and what is its significance.	**2**	
	Summary of Study Results and Possible Usage The extent to which the expected outcome/output of the study and its possible usage or application are clearly documented	**1**	
	Layout of the Thesis Brief description of each of the chapters of the entire thesis	**1**	

Literature Review Chapter
[10-15 pages]
	The level and extent to which the candidate reviewed relevant previous work including providing a detailed review and documentation of significant prior research work including relevant theoretical frameworks and issues, comprehensive enough to demonstrate that the candidate is aware of the major relevant sources of information and research work in his/her subject area.
	
	On the whole the literature review chapter will be evaluated in terms of the extent to which the chapter:
	  i. reviewed and documented the results of other studies that are closely related to the study
	  ii. demonstrated that the candidate has a comprehensive grasp of the field of study and he/she is aware of important recent substantive and methodological and theoretical developments in the area.
	  iii. identified limitations of past/current research and explained how the candidate will build on past strengths while overcoming limitations;
	  iv. identified potential outcomes of the study and the importance of each
		10	

Methodology Chapter
[5-10 pages]
	It is expected that the Methodology Chapter documents how the candidate is to tackle the stated research problem the study is designed to address. Depending on the nature and the underlying methodological approach to be adopted for the study, the candidate is expected to document the followings:
	
	i. Which Research Design and Method
	  • Indicate which research design is to be adopted/used (if any)
	  • Is the research quantitative or qualitative in nature in terms of the methodology?
	  • Discuss and justify the choice of research method (if any)
	  • Highlight and discuss the relevance of the adopted method
	  • Describe how the adopted method will be applied
	ii. Which Techniques/Tools/Approaches/Instrumentation/Devices
	  • Which techniques, tools/instruments, approaches etc will be adopted and used to develop/produce, present/demonstrate the
		8	

	expected results of the study • Highlight and discuss the relevance of these techniques/ tools/instruments/approaches to the study • Describe how these techniques/tools/ instruments or approaches will be applied or used **ii. What Data Collection Methods (if applicable)** • Clearly indicate whether primary or secondary data will be used • Indicate what primary or secondary data is (i.e. provide a theoretical perspective). • What Population and Sampling Procedures (if applicable) Also expected are sections to devoted to: ***The Solution Strategy/Approach***: A description of the proposed solution strategy/approach or method and expected results		
Analysis and Results Chapter **or** **[Appropriate Chapter Title]**	ENGINEERING/SYSTEMS/PROCESS/PRODUCT DEVELOPMENT RESEARCH PRROJECT The requirement analysis, the design, development implementation/construction and testing, demonstration of the required output (system/process/procedure/product) of the research project. <u>OR</u> <u>STATISTICAL-BASED STUDIES</u> Description of statistical analyses in relation to research questions/hypotheses/objectives and presentation of relevant results of the study	**30**	
Discussion Chapter **or** **[Appropriate Chapter Title]**	It is expected that the Chapter should: i. Provide a brief summary of the research problem and methodology and relating this to the research results or outputs bearing in mind the main conclusions of the literature review underlying the study. ii. Detail, discuss and interpret the main findings/outcomes of the study <u>OR</u> Discuss and explain the details/features/functionality/ operations/workings of the system/product developed iii. Explain how far the research findings are similar to or different from those of previous research <u>OR</u> Explain how what you have developed and/or implemented is different from previous similar systems/products developed iv. Document the implications of the research findings/output	**25**	
General Conclusions (and Recommendations) Chapter	It is expected that this chapter will be devoted to general conclusions arising from the outcome of the research work. And where appropriate, devoting some sections to specific recommendations if there are any.	**5**	
Supporting Sections	References Appendices	**2**	
Adherence to the AIT Guidelines for Writing Capstone Project Thesis Document and Other	The extent to which the *Guidelines Writing Capstone Project Thesis* as provided by the University are strictly followed in preparing the Document including examining and grading the: structure, format and the lay-out of the document; text development	**5**	

Guidelines	and coherence; language and style; use of sources and citation style; and the quality and relevance of the bibliography/ references.		
	TOTAL	**100**	