

Short Title:	MSc Research Project - 30 APPROVED
Full Title:	MSc Research Project - 30
Module Code:	MSIT H6029
ECTS credits:	30
NFQ Level:	9
Module Delivered in	3 programme(s)
Module Contributor:	Anthony Keane
Module Description:	Independent research project to give learners the experience of developing an individual computing project at postgraduate level. Learners will demonstrate their responsibility for substantial independent working and a full project from problem specification through to implementation and evaluation.
Learning Outcomes:	
<i>On successful completion of this module the learner will be able to</i>	
<ol style="list-style-type: none"> 1. Investigate various approaches to research enquiry and develop a research proposal. 2. Write a literature review for selected research questions by reporting on relevant existing research demonstrating appropriate academic citation and referencing. 3. Demonstrate the purposes and procedures involved in data gathering techniques, data analysis and discussion of results. 4. Dissemination of results through presentations and research thesis documentation. 	

Module Content & Assessment

Indicative Content

Proposed content:
 Research Methods Workshops Project proposal Review of relevant research and technical information Project planning, monitoring and management Problem Analysis Solution design and test/evaluation plan Implementation Testing and evaluation Conclusions

Indicative Assessment Breakdown	%
Course Work Assessment %	100.00%

Course Work Assessment %				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Written Report	Project proposal outlining the research problem, why it is a problem and what the student is planning to do about the problem.	1	5.00	Week 1
Written Report	Literature review and stating the research hypothesis and research questions(s).	2	10.00	Week 4
Performance Evaluation	Progress report showing data collection and early analysis of results.	3	10.00	Week 7
Presentation	Poster and/or presentation	3,4	15.00	Week 10
Written Report	Final thesis documentation incorporating a revised updated literature review, project description, data analysis and results and conclusions.	3,4	60.00	Week 12

No Final Exam Assessment %

Indicative Reassessment Requirement

Repeat the module
The assessment of this module is inextricably linked to the delivery. The student must reattend the module in its entirety in order to be reassessed.

Reassessment Description
 Reassessment requires that a new project be selected.

ITB reserves the right to alter the nature and timings of assessment

Indicative Module Workload & Resources

Indicative Workload: Full Time	
Frequency	Indicative Average Weekly Learner Workload
Every Week	20.00
Every Week	80.00
Every Week	500.00

Resources
<i>Recommended Book Resources</i>
Yvonne N. Bui 2014, <i>How to Write a Master's Thesis</i> , 2nd Ed. [ISBN: 978-145220351]
<i>This module does not have any article/paper resources</i>
<i>This module does not have any other resources</i>

Module Delivered in

Programme Code	Programme	Semester	Delivery
BN_KMACS_R	Master of Science in Computing in Applied Cyber Security	3	Mandatory
BN_KADSA_R	Master of Science in Computing in Applied Data Science & Analytics	4	Mandatory
BN_KMHLT_R	Master of Science in Computing in Multimodal Human Language Technology	3	Mandatory