School/Department: Computing
Date: 3 April 2019

Title of the Programme: MSc in Computing in Applied Computing Research

Chairperson: Mr Terry Twomey VP Academic Affairs & Registrar, LIT
Members of the Panel: Celia O'Hagan, Mike McTear, Ailish Mc Kiernan and Louise Crotty.
Secretary: Dr George Onofrei
LYIT Staff: Thomas Dowling; Connolly James; Furey Eoghan; Sweeney Edwina; Feeney Mairead; McKelvey Nigel; Douglas Mandy.

Criteria for the Validation of a New Programme

1. The Programme Aims and Objectives are clear and consistent with the Award sought.

2. The Programme concept, implementation strategy are well informed and soundly based.

3. The Programme's Access, Transfer and Progression arrangements are satisfactory.

4. The Programme's written curriculum is well structured and fit for purpose.

5. There are sufficient qualified and capable programme staff.

6. There are sufficient physical resources to implement the programme as planned.

7. The learning environment is consistent with the needs of the programme learners.

8. There are sound Teaching, Learning and Assessment Strategies.

9. Learners enrolled on the Programme will be well informed, guided and cared for.

10. The Programme will be well managed.

Note: It is Institute policy to publish the Final Reports of the Panel of Assessors

(For the attention of the Academic Council)

Commendations:

1. The panel commends the Programme Board for their vision to reach out to the education community to promote applied computing research.

2. The panel commend the team on the readability and quality of documentation.

3. The panel were impressed by the level of preparation and engagement from the Programme Team; and that the programme had been well thought through.

The Panel of Assessors advises the Academic Council that the Institute and the

School/Department should take cognisance of following recommendations:

1. They should consider the management of the student assessment within the Banner System by engaging with the Examination Office.

2. Reconsider the wording of the rationale around the applied nature of the programme.

Response from the Department of Computing to Recommendations

1. The interim course board has discussed this matter and we will ensure there is a full engagement with the Examinations Office to make this happen.

2. A number of changes have been made to the text in pages 9 and 10 to highlight and explain the applied nature of the programme.

The Panel of Assessors advises the Academic Council that approval of the programmes subject to general conditions of approval together with the following additional conditions:

n/a.

Note: It is Institute policy to publish the Final Reports of the Panel of Assessors

PART 4 PROPOSED PROGRAMME SCHEDULE(S)

Proposed Programme Schedule – Year 1 Full-Time / Part-time

Name Of Provider: Letterkenny Institute of Technology

Title Of Award: Certificate in Applied Computing Research

MSc in Computing in Applied Computing Research

Area Of Specialisation: Applied Computing Research

Learning Mode Offered: Full-time / Part-time

Stage: Award

Date Effective: September 2019

Semester	Title of examination subject	Subject status	ECTS credits		Total Contact Hours				Allocation of marks				
			Level	Number	L/T	P	Independent Learning	Total	CA	Project	Practical	Final	Max
	IT Systems for Delivery of Healthcare	E	9	5	13	26	86	125	100	-	-	-	100
	Data Operations	E	9	5	13	26	86	125	100	-	-	-	100
	Systems Engineering for ICT in Healthcare	E	9	5	13	26	86	125	100	-	-	-	100
	Data Analytics and Statistical Analysis	E	9	10	26	26	198	250	100	-	-	-	100
	Assessing Wearable Sensing Systems	E	9	5	13	26	86	125	100	-	-	-	100
	Ethics in Healthcare Research	E	9	10	52	-	198	250	100	-	-	-	100
	Wearable Sensor Technologies	E	9	10	26	26	198	250	100	-	-	-	100

Note: It is Institute policy to publish the Final Reports of the Panel of Assessors

	Research and Development for Healthcare Innovation	E	9	10	26	26	198	250	100	-	-	-	100
	DevOps Software Engineering	E	9	10	26	26	198	250	100	-	-	-	100
	OO Programming for Server Administration	E	9	10	26	26	198	250	100	-	-	-	100
	Advanced Database Development	E	9	10	26	26	198	250	100	-	-	-	100
	Computer Systems Programming	E	9	10	26	26	198	250	100	-	-	-	100
	Enterprise and Data Centre Networking	E	9	10	26	26	198	250	50	50	-	-	100
	Private Cloud Technologies	E	9	10	26	26	198	250	50	50	-	-	100
	Security and Legal Issues	E	9	10	26	26	198	250	100	-	-	-	100
	Storage Technologies	E	9	10	26	26	198	250	100	-	-	-	100
	Virtual Server Administration	E	9	10	26	26	198	250	50	50	-	-	100
	Cryptography and Forensic Analysis	E	9	10	26	26	198	250	100	-	-	-	100
	Information Security Management 1	E	9	10	26	26	198	250	100	-	-	-	100
	Secure Infrastructure	E	9	10	26	26	198	250	100	-	-	-	100
	Software Compliance	E	9	10	26	26	198	250	100	-	-	-	100

Note: It is Institute policy to publish the Final Reports of the Panel of Assessors

	Module												
	Threat Management 1	E	9	10	26	26	198	250	100	-	-	-	100
	Business Intelligence	E	9	10	26	26	198	250	100	-	-	-	100
	Machine Learning	E	9	10	26	26	198	250	50	-	-	50	100
	Mathematics For Analytics	E	9	10	52		198	250	100	-	-	-	100
	Big Data Analytics	E	9	10	26	26	198	250	100	-	-	-	100
	Big Data Architecture	E	9	10	26	26	198	250	100	-	-	-	100
	Artificial Intelligence 1	E	9	10	26	26	198	250	50	-	-	50	100
	Artificial Intelligence 2	E	9	10	26	26	198	250	100	-	-	-	100

Legend

MSc in Digital Healthcare	MSc in DevOps	MSc in Cloud Technologies	MSc in Cybersecurity	MSc in Big Data Analytics	MSc in Big Data Analytics and Artificial Intelligence

Total ECTS credits required for stage: 30

Special Regulations:

No more than 20 ECTS Credits can be taken from a single MSc Programme

Note 1: Not all modules will necessarily be available in a given year

Note 2: Modules may run in different semesters depending on the intake cycle

Note: It is Institute policy to publish the Final Reports of the Panel of Assessors

Proposed Programme Schedule – Year 1 Semester 2 & 3 – Full-Time

Name Of Provider: Letterkenny Institute of Technology

Title Of Award: MSc in Computing in Applied Computing Research

Area Of Specialisation: Applied Computing Research

Learning Mode Offered: Full-time

Stage: Award

Date Effective: September 2019

| Semester | Title of examination subject | Subject status | ECTS credits | | Contact hours (per week over 26 weeks) | | | | Allocation of marks | | | | |
			Level	Number	L/T	P	Independent Learning	Total	CA	Project	Practical	Final	Max
	Dissertation	M	9	60		2	48	50		100	-		100

Total ECTS credits required for stage: **60**

Special Regulations:

Students must complete 30 credits worth of taught modules

The Dissertation topic must be consistent with the overall Programme Learning Outcomes.

Note: It is Institute policy to publish the Final Reports of the Panel of Assessors

Proposed

Proposed Programme Schedule – Year 1– Part-Time

Name Of Provider: Letterkenny Institute of Technology

Title Of Award: MSc in Computing in Applied Computing Research

Area Of Specialisation: Applied Computing Research

Learning Mode Offered: Part-time, ACCS

Stage: Award

Date Effective: September 2019

| Semester | Title of examination subject | Subject status | ECTS credits | | Contact hours (per week over 52 weeks) | | | | Allocation of marks | | | | |
			Level	Number	L/T	P	Independent Learning	Total	CA	Project	Practical	Final	Max
	Dissertation	M	9	60		0.5	24.5	25		100	-		100

Total ECTS credits required for stage: **60**

Special Regulations:

Students must complete 30 credits worth of modules from semesters 1 to 3.

The Dissertation topic must be consistent with the overall Programme Learning Outcomes.

Note: It is Institute policy to publish the Final Reports of the Panel of Assessors

lyit | Institiúid Teicneolaíochta Leitir Ceanainn
Letterkenny Institute of Technology

Programme Evaluation Report Approved by:

(signature)

Terry Twomey

Chairman to Panel

(VP, Academic Affairs and Registrar, Limerick Institute of Technology)

Date 20/5/2019

(signature)

Billy Bennett

(VP for Academic Affairs and Registrar , Letterkenny IT)

Date 20/5/19

Note: It is Institute policy to publish the Final Reports of the Panel of Assessors