



Letterkenny Institute of Technology

Report of the Panel of Assessors

PART 1 GENERAL INFORMATION

SCHOOL/DEPARTMENT: Science/Computing

DATE OF VISIT: 17 October 2018

PROGRAMMES EVALUATED:

- 1. MSc in Computing in Big Data Analytics and Artificial Intelligence**
- 2. Postgrad Diploma in Big Data Analytics and Artificial Intelligence**

MEMBERS OF PANEL OF ASSESSORS:

- **Chairperson: Dr Des Foley** (GMIT)
- Ailish McKiernan (Student rep. LYTT)
- Sam Trotter (DELL)
- Dr Christian Horn (DKIT)
- Prof. Mike McTear (UU)
- **Secretary: Dr Simon Stephens** (Senior Lecturer, LYTT)

INSTITUTE STAFF:

Billy Bennett (Vice President for Academic Affairs)

Dr Gertie Taggart, HoS Science and Tom Dowling, HoD Computing

Dr Eoghan Furey, Dr Nigel McKelvey, Ruth Lennon, Dr Michael McCann, Edwina Sweeney, Dr Mark Leeney and Dr James Connolly.

FINDINGS OF ASSESSORS

The Panel of Assessors are satisfied that the proposal adequately addresses the following **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.

PART 3 Outcome

The Panel of Assessors advises Academic Council of the following **commendations**:

1. The panel commends the Programme Board for their commitment and energy to developing this programme.
2. It was evident to the Panel that there was an excellent team in place.
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.
4. It is clear that this programme fits with an overall strategy to increase the number of postgraduate and research related programmes.

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

1. Define the programme schedule i.e. reconcile Proposed Course Schedule section 9 with the Overview of the Programme Structure (section 4 p. 13).
This has been done and is reflected in the attached document.

The Panel of Assessors advises the Academic Council that the Institute and the School/Department should take cognisance of following **recommendations**:

1. Make it explicit how Ethical considerations are dealt with throughout the programme.

Additional ethics related content has been added. Ethics are referenced in the following areas:

Award Standards for Computing

Recognition of limitations of current knowledge and familiarity with sources of new knowledge; integration of concepts across a variety of areas and

Utilise diagnostic and creative skills in a range of functions in a wide variety of contexts

Express an internalised, personal world view, manifesting solidarity with others

Module Artificial Intelligence 1 in the module description and in MLO 6 and section 4 of the indicative content.

Module Big Data analytics MLO3 and section 4 of the indicative content.

Module Artificial Intelligence 2 in section 1 of the indicative content.

Dissertation Sections 1 of Dissertation Scope and Planning

Sections 4, 5 and 6 of the Research Methods Course

Research Bootcamp Paragraphs 5 and 6.

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2. Considered (as appropriate) using the term Block rather than semester. Especially, for the marketing of the programme.

This will be done.

SECTION 4 Proposed Course Schedules

Postgraduate Diploma/MSc in Computing in Big Data Analytics and Artificial Intelligence

Semester	Module Title	Module status	ACCS credits		Contact hours (per week) 10 Weeks				Allocation of marks				
			Level	Number	L/T	P	Independent	Total Weekly Effort	CA	Project	Practical	Final	Max
1	Artificial Intelligence 1	M	9	10	2.5	2.5	17	22	50	-	-	50	100
1	Machine Learning	M	9	10	2.5	2.5	17	22	50	-	-	50	100

Total ACCS credits required for stage: 20

Semester	Module Title	Module status	ACCS credits		Contact hours (per week) 10 Weeks				Allocation of marks				
			Level	Number	L/T	P	Independent	Total Weekly Effort	CA	Project	Practical	Final	Max
2	Mathematics for Analytics	M	9	10	5	-	17	22	100	-	-	-	100
2	Big Data Analytics	M	9	10	2.5	2.5	17	22	100	-	-	-	100

Total ACCS credits required for stage: 20

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Semester	Module Title	Module status	ACCS credits		Contact hours (per week) 10 Weeks				Allocation of marks				
			Level	Number	L/T	P	Independent	Total Weekly Effort	CA	Project	Practical	Final	Max
3	Big Data Architecture	M	9	10	2.5	2.5	17	22	100	-	-	-	100
3	Artificial Intelligence 2	M	9	10	2.5	2.5	17	22	100	-	-	-	100


Total ACCS credits required for stage: 20

Semester	Module Title	Module status	ACCS credits		Contact hours (per week) 13 weeks				Allocation of marks				
			Level	Number	L/T	P	Independent Learning	Total weekly effort	CA	Project	Practical	Final	Max
3	Dissertation	M	9	30		2	48	50		100	-		100

Total ACCS credits required for stage:

30

Programme Evaluation Report Approved by:

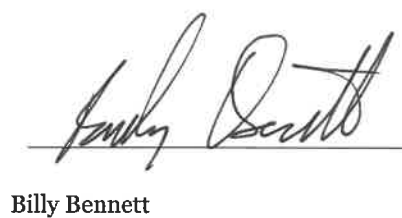


 Des Foley
 Chair to Panel

(Acting Registrar GMTI)

Date

27/11/18



 Billy Bennett
 (Registrar, Letterkenny IT)

(Registrar, Letterkenny IT)

Date

27/11/18

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