Letterkenny Institute of Technology

Report of the Panel of Assessors

PART 1 GENERAL INFORMATION

SCHOOL/DEPARTMENT: Computing

DATE OF VISITATION:22 May 2018

PROGRAMMES EVALUATED:

Higher Diploma in Science in Computing for Educators Level 8 (60 ECTS)

Certificate in DevOps Software Engineering Level (10 ECTS)

Certificate in Analysis and Design with UML Level 8 (10 ECTS)

MEMBERS OF PANEL OF ASSESSORS:

- Dr. Sheila Flanagan, Vice President for Academic Affairs & Registrar, Dundalk IT (Chair)
- Professor Martin McKinney, former HOD Computing, UU Coleraine
- Nigel Whyte, Head of Department of Computing & Networking, IT Carlow
- Padraig Harte, Lecturer from the department of Computing, IT Sligo
- Lorna Given, Director, InterNETalia Ltd

Secretary to Panel: Jim Morrison

INSTITUTE STAFF

Paul Hannigan, President
Billy Bennett, Registrar
Gertie Taggart, Head of School of Science
Thomas Dowling, Head of Department of Computing
Nigel McKelvey, Lecturer
Maria Griffin, Lecturer
John Conaghan, Lecturer
Mairead Feeney, Lecturer
James Connolly, Lecturer
Helen McMahon, Lecturer
Ruth Lennon, Lecturer

PART 2 FINDINGS OF ASSESSORS

The Panel of Assessors are satisfied that the proposal adequately addresses the following criteria:

(1) Education and Training Requirements

The programme is consistent with the Institute's mission, avoids redundant provision and makes efficient use of resources (collaborating where this is beneficial).

(2) Unity

There is an underlying unifying theme and the modules are bonded by interactions which are either implicit or explicit. The proposal demonstrates how the standard (of knowledge, skill and competence), determined by QQI for the named award to which the programme proposes to lead, evolves throughout the programme as a whole.

(3) Teaching and Learning

The proposed approach to teaching and learning is clearly indicated and justified.

(4) Learner Assessment

The learner assessment methods are fully elaborated and consistent with QQI's policy on fair and consistent assessment. The assessment methods are capable, among other things, of demonstrating attainment of the standards of knowledge, skill or competence, determined by QQI, for the related award.

(5) Resources

The proposed staffing levels are appropriate and the levels of qualifications and competence of the staff is sufficient to deliver the programme. The necessary facilities available in terms of accommodation, equipment, and library and information technology resources are satisfactory to support the proposed programme.

(6) Quality Assurance

The proposal demonstrates how the Institute's quality assurance procedures have been applied in the development of the proposed programme and satisfactory procedures exist for the on-going monitoring and periodic review of programmes.

(7) Programme Title and Award Title

The award title is consistent with the named awards determined by QQI. The programme title is clear, accurate, succinct and fit for the purpose of informing prospective learners and other stakeholders.

(8) QQI Standards

The learning outcomes of the programme are stated in such a way that the compliance with the appropriate QQI standard is demonstrated.

(9) Access Transfer and Progression

This programme incorporates the procedures for access transfer and progression that have been established by the NQAI and is consistent with QQI policy in accommodating a variety of access and entry requirements.

PART 3 RECOMMENDATIONS

(For the attention of the Academic Council)

Higher Diploma in Science in Computing for Educators Level 8 (60 ECTS)

The panel were very impressed by the institute team's initiative and effort in developing the programmes. They also praised the responsiveness of the institute to industry needs. They praised the quality of the documentation.

The panel also praised the institute management for developing a finance model that incentivized the School and Department to run such programmes.

The panel observed that there was no overall programme philosophy for a Higher Diploma and that the document lacked cohesion. They believed that an opportunity was missed to provide synergies between modules.

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

1. A roadmap should be developed for applicants to indicate the synergies and philosophy of the programme. This roadmap should outline specific sequencing of modules. Promotional material should also include this information.
   This roadmap will be developed and will be included in all course promotional material and on the course website.
2. Module reading lists need to be updated and refreshed continuously.
   This has been done and they will be refreshed.
3. The total number of contact hours for each module should be clearly specified, including the typical duration of each module in weeks.
   This has been implemented.
4. A sample delivery schedule should be included in the documents to guide students.
   This has been implemented.
5. An induction session should be organised for each group of students. This might also double as a promotional opportunity.
   The Course Board feels this is an excellent idea and it will be implemented.

6. Projects need to be scoped out as the programmes progresses.
The Course Board will ensure this happens.

7. A student handbook should be prepared that includes the planned roadmap and that clearly outlines the outreach activities and support available to students
A student handbook will be development and will be made available to all students.

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

1. Modules titles need to be made consistent throughout the programme document
These changes have been made.

Certificate in DevOps Software Engineering Level (10 ECTS)

Certificate in Analysis and Design with UML Level 8 (10 ECTS)

Again the panel praised the commitment and proactiveness of the lecturing team.

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

1. The Learning Outcomes for both certificate should be mapped to assessment

Total number of hours effort to be clearly specified on course schedules

These changes have been made.

There are no conditions.

PART 4 PROPOSED PROGRAMME SCHEDULE(S)

SECTION 7 –Course Schedules

Programme Schedule

Name Of Provider:	Letterkenny Institute of Technology
Title Of Award:	Higher Diploma in Science in Computing for Educators
Area Of Specialisation:	Computing
Learning Mode Offered:	Full-time
Stage:	Award
Semester:	All
Date Effective:	September, 2018

Module Title	Module status	ACCS credits		Contact hours (per week)			Allocation of marks				
		Level	Number	L/T	P	Total	CA	Project	Practical	Final	Max
Coding Principles	M	8	10	2	2	4	100		-	-	100
Coding with Syntax	M	8	10	2	2	4	100		-	-	100

Computer Systems	M	8	10	2	2	4	100		-	-	100
Web Development and HCI	E	8	10	2	2	4	100		-	-	100
Mobile Applications Development	E	8	10	2	2	4	100		-	-	100
Robotics	E	8	10	2	2	4	100		-	-	100
Digital Citizenship	M	8	10	2	2	4	100		-	-	100
Database Technology	E	8	10	2	2	4	100		-	-	100

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

Special Regulations:

Students must complete the 40 mandatory modules and 20 elective credits to receive the Higher Diploma qualification.

A minimum of 10 students will normally be required before it will be viable to run an elective module.

The number of modules offered in a semester will be subject to demand.

Proposed Programme Schedule

Name Of Provider: Letterkenny Institute of Technology

Title Of Award: Higher Diploma in Science in Computing for Educators

Area Of Specialisation: Computing

Learning Mode Offered: Part-time

Stage: Award

Semester: All

Date Effective: September, 2018

Module Title	Module status	ACCS credits		Contact hours (per week)			Allocation of marks				
		Level	Number	L/T	P	Total	CA	Project	Practical	Final	Max
Coding Principles	M	8	10	1	1	2	100		-	-	100
Coding with Syntax	M	8	10	1	1	2	100		-	-	100
Computer Systems	M	8	10	1	1	2	100		-	-	100
Web Development and HCI	E	8	10	1	1	2	100		-	-	100
Mobile Applications Development	E	8	10	1	1	2	100		-	-	100
Robotics	E	8	10	1	1	2	100		-	-	100
Digital Citizenship	M	8	10	1	1	2	100		-	-	100
Database Technology	E	8	10	1	1	2	100		-	-	100

This course is designed for modules to be delivered over 2 Saturdays on campus in Letterkenny Institute of Technology with the rest of the course being delivered on a weekly or two-weekly basis nationally via Blended/Distance Learning.

Total ACCS credits required for stage: 60

Special Regulations:

Students must complete the 40 mandatory modules and 20 elective credits to receive the Higher Diploma qualification.

A minimum of 10 students will normally be required before it will be viable to run an elective module.

The number of modules offered in a semester will be subject to demand.

Proposed Programme Schedule

Name Of Provider: Letterkenny Institute of Technology

Title Of Award: Certificate in Coding Principles for Educators

Area Of Specialisation: Computing

Learning Mode Offered: Full-time

Stage: Award

Semester: All

Date Effective: September, 2018

Module Title	Module status	ACCS credits		Contact hours (per week)			Allocation of marks				
		Level	Number	L/T	P	Total	CA	Project	Practical	Final	Max
Coding Principles	M	8	10	2	2	4	100		-	-	P/F

This course is designed for modules to be delivered over 2 Saturdays on campus in Letterkenny Institute of Technology with the rest of the course being delivered on a weekly or two-weekly basis nationally via Blended/Distance Learning.

Total ACCS credits required for stage: 10

Special Regulations:

Proposed Programme Schedule

Name Of Provider:	Letterkenny Institute of Technology
Title Of Award:	Certificate in Coding Syntax for Educators
Area Of Specialisation:	Computing
Learning Mode Offered:	Part-time
Stage:	Award
Semester:	All
Date Effective:	September, 2018

Module Title	Module status	ACCS credits		Contact hours (per week)			Allocation of marks				
		Level	Number	L/T	P	Total	CA	Project	Practical	Final	Max
Coding with Syntax	M	8	10	2	2	4	100		-	-	P/F

This course is designed for modules to be delivered over 2 Saturdays on campus in Letterkenny Institute of Technology with the rest of the course being delivered on a weekly or two-weekly basis nationally via Blended/Distance Learning.

Total ACCS credits required for stage: **10**

Special Regulations:

Proposed Programme Schedule

Name Of Provider: Letterkenny Institute of Technology

Title Of Award: Certificate in Computer Systems for Educators

Area Of Specialisation: Computing

Learning Mode Offered: Part-time

Stage: Award

Semester: All

Date Effective: September, 2018

Module Title	Module status	ACCS credits		Contact hours (per week)			Allocation of marks				
		Level	Number	L/T	P	Total	CA	Project	Practical	Final	Max
Computer Systems	M	8	10	2	2	4	100		-	-	P/F

This course is designed for modules to be delivered over 2 Saturdays on campus in Letterkenny Institute of Technology with the rest of the course being delivered on a weekly or two-weekly basis nationally via Blended/Distance Learning.

Total ACCS credits required for stage: **10**

Special Regulations:

Proposed Programme Schedule

Name Of Provider: Letterkenny Institute of Technology

Title Of Award: Certificate in Web Development and HCI for Educators

Area Of Specialisation: Computing

Learning Mode Offered: Part-time

Stage: Award

Semester: All

Date Effective: September, 2018

| Module Title | Module status | ACCS credits | | Contact hours (per week) | | | Allocation of marks | | | | |
		Level	Number	L/T	P	Total	CA	Project	Practical	Final	Max
Web Development and HCI	E	8	10	2	2	4	100		-	-	P/F

This course is designed for modules to be delivered over 2 Saturdays on campus in Letterkenny Institute of Technology with the rest of the course being delivered on a weekly or two-weekly basis nationally via Blended/Distance Learning.

Total ACCS credits required for stage: 10

Special Regulations:

Proposed Programme Schedule

Name Of Provider: Letterkenny Institute of Technology

Title Of Award: Certificate in Mobile Applications Development for Educators

Area Of Specialisation: Computing

Learning Mode Offered: Part-time

Stage: Award

Semester: All

Date Effective: September, 2018

Module Title	Module status	ACCS credits		Contact hours (per week)			Allocation of marks				
		Level	Number	L/T	P	Total	CA	Project	Practical	Final	Max
Mobile Applications Development	E	8	10	2	2	4	100		-	-	P/F

This course is designed for modules to be delivered over 2 Saturdays on campus in Letterkenny Institute of Technology with the rest of the course being delivered on a weekly or two-weekly basis nationally via Blended/Distance Learning.

Total ACCS credits required for stage: **10**

Special Regulations:

Proposed Programme Schedule

Name Of Provider: Letterkenny Institute of Technology

Title Of Award: Certificate in Robotics for Educators

Area Of Specialisation: Computing

Learning Mode Offered: Part-time

Stage: Award

Semester: All

Date Effective: September, 2018

Module Title	Module status	ACCS credits		Contact hours (per week)			Allocation of marks				
		Level	Number	L/T	P	Total	CA	Project	Practical	Final	Max
Robotics	E	8	10	2	2	4	100		-	-	P/F

This course is designed for modules to be delivered over 2 Saturdays on campus in Letterkenny Institute of Technology with the rest of the course being delivered on a weekly or two-weekly basis nationally via Blended/Distance Learning.

Total ACCS credits required for stage: **10**

Special Regulations:

Proposed Programme Schedule

Name Of Provider: Letterkenny Institute of Technology

Title Of Award: Certificate in Digital Citizenship for Educators

Area Of Specialisation: Computing

Learning Mode Offered: Part-time

Stage: Award

Semester: All

Date Effective: September, 2018

Module Title	Module status	ACCS credits		Contact hours (per week)			Allocation of marks				
		Level	Number	L/T	P	Total	CA	Project	Practical	Final	Max
Digital Citizenship	M	8	10	2	2	4	100		-	-	P/F

This course is designed for modules to be delivered over 2 Saturdays on campus in Letterkenny Institute of Technology with the rest of the course being delivered on a weekly or two-weekly basis nationally via Blended/Distance Learning.

Total ACCS credits required for stage: 10

Special Regulations:

Proposed Programme Schedule

Name Of Provider: Letterkenny Institute of Technology

Title Of Award: Certificate in Database Technology for Educators

Area Of Specialisation: Computing

Learning Mode Offered: Part-time

Stage: Award

Semester: All

Date Effective: September, 2018

Module Title	Module status	ACCS credits		Contact hours (per week)			Allocation of marks				
		Level	Number	L/T	P	Total	CA	Project	Practical	Final	Max
Database Technology	M	8	10	2	2	4	100		-	-	P/F

This course is designed for modules to be delivered over 2 Saturdays on campus in Letterkenny Institute of Technology with the rest of the course being delivered on a weekly or two-weekly basis nationally via Blended/Distance Learning.

Total ACCS credits required for stage: 10

Special Regulations:

PROGRAMME SCHEDULE

Name Of Provider:	Letterkenny Institute of Technology
Title Of Award:	Certificate in Analysis and Design with UML (Special Purpose Award)
Area Of Specialisation:	Analysis and Design with UML
Learning Mode Offered:	Part-time
Stage:	N/A
Date Effective:	February 2018
Semester:	1

Exam Sessions: 1)   2)

Semester	Title of examination subject	Subject status	ACCS credits		Contact hours (per week)				Allocation of marks				
			Level	Number	L/T	P	Total	Total Effot	CA	Project	Practical	Final	Max
1	Analysis and Design with UML	M	8	10	2	2	4	221	50	-	-	50	100

TOTAL ACCS CREDITS REQUIRED FOR SEMESTER: **10**

PROGRAMME SCHEDULE

Name Of Provider: Letterkenny Institute of Technology
Title Of Award: Certificate DevOps Software Engineering (Minor Award)
Area Of Specialisation: DevOps Software Engineering
Learning Mode Offered: Part-time
Stage: N/A
Date Effective: March 2018
Semester: 1

Exam Sessions: 1)   2)

Semester	Title of examination subject	Subject status	ACCS credits		Contact hours (per week)				Allocation of marks				
			Level	Number	L/T	P	Total	Total Effort	CA	Project	Practical	Final	Max
1	DevOps Software Engineering	M	9	10	3	2	5	221	100	-	-	-	100

TOTAL ACCS CREDITS REQUIRED FOR SEMESTER: **10**

Programme Evaluation Report Approved by:

Sheila Flanagan

Dr. Sheila Flanagan

Chairman to Panel

(Vice President for Academic Affairs & Registrar,

Dundalk IT)

Date 2/7/18

Billy Bennett

Billy Bennett

(Registrar, Letterkenny IT)

Date 9/7/18.