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Institiúid Teicneolaíochta Leitir Ceanainn
Letterkenny Institute of Technology

Letterkenny Institute of Technology

Report of the Panel of Assessors

PART 1 GENERAL INFORMATION

SCHOOL/DEPARTMENT: Department of Computing

DATE OF VISITATION: 19 June 2017

PROGRAMMES EVALUATED:

MSc in Computing in DevOps (90ECTS) with Embedded Major Award – Postgraduate Diploma in Computing in DevOps (60ECTS) and Minor Award - Certificate in DevOps (30ECTS)

MEMBERS OF PANEL OF ASSESSORS:

Dr Larry Mc Nutt, Registrar, IT Blanchardstown

Dr Barry Feeney, Head of Department of Computing, IT Tallaght

Professor Paul McKevitt, School of Creative Arts & Technologies, Ulster University

Dr Brendan Ryder, Head of Department of Visual and Human-Centre Computing, Dundalk IT

Mr Ethan Griffin, Director of Systems Development, Pramerica

Secretary to Panel: Dr Seán Duffy, Head of School of Tourism

INSTITUTE STAFF

Dr Gertie Taggart, Head of School of Science

Thomas Dowling, Head of Department of Computing

Lecturers

Garry Cullen, John O'Raw, Nigel McKelvey, Ruth Lennon and Maria Griffen

Note: it is Institute policy that all New Programme Validations are published on the LYIT website

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)

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

1. Increase focus on cloud computing content during the first semester of the programme.
2. Consider the inclusion of change management in terms of human change management on the programme syllabi.
3. Consider retitling the module 'DevOps Change Management' to better reflect the content of the module.
4. Revise the weekly contact/self-directed hour allocation per module to ensure that they comply with the LYIT norms.
5. Include details of the business case for the development of a specific programme in DevOps.
6. Revise text on page 46 in relation to 'boot camp' phrasing to reflect actual practice as discussed during panel meeting.

Department of Computing Response to Recommendations from the Panel of Assessors

1. We have added: Cloud based services: storage, web services, compute Delivery Pipelines; cloud services to support the delivery pipeline, Cloud based monitoring and management services
2. We have added material on Culture Shift, change evangelists; promoting left-shift
3. DevOps Change Management has been re-titled DevOps Project Management
4. This change has been made.
5. This change has been made.
6. The Dissertation module has been updated to state: Each student must attend the Research Boot camp prior to commencing the capstone project. The outcome of the Boot camp is the project proposal. Continuation with the dissertation cannot occur without an approved project proposal. Students will be afforded the opportunity to submit updated proposals should their original submission fail to be approved.

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:

No conditions

Note: It is Institute policy to publish the final reports of the Panel of Assessors

PART 4 PROPOSED PROGRAMME SCHEDULE(S)

Programme Schedule – Year 1 Semester 1

Name Of Provider: Letterkenny Institute of Technology

Title Of Award: Certificate in DevOps (Embedded Minor Award)
Postgraduate Diploma in Computing in DevOps
MSc in Computing in DevOps

Area Of Specialisation: DevOps

Learning Mode Offered: Full-time, Part-time, ACCS

Stage: Award

Semester: 1

Date Effective: June 2017

Semester	Title of examination subject	Subject status	ACCS credits		Contact hours (per week over 12 weeks)			Allocation of marks				
			Level	Number	L/T	P	Total	CA	Project	Practical	Final	Max
1	DevOps Software Engineering	M	9	10	2	2	4	100	-	-	-	100
1	OO Programming for Server Administration	M	9	10	2	2	4	100	-	-	-	100
1	Placement	M	9	10	-	-	35HPW 280H	100	-	-	-	PASS/FAIL

Total ACCS credits required for stage: 30

Special Regulations:

Note: For standardisation purposes the course schedule is designed around a 12 week delivery format. In practise it is likely the first two taught modules will be run in a condensed format over 8 weeks with a proportional increase in weekly contact hours to allow the Placement to take place after the two taught modules have finished.

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Programme Schedule – Year 1 Semester 2

Name Of Provider: Letterkenny Institute of Technology

Title Of Award: Postgraduate Diploma in Computing in DevOps
MSc in Computing in DevOps

Area Of Specialisation: DevOps

Learning Mode Offered: Full-time, Part-time, ACCS

Stage: Award

Semester: 1

Date Effective: June 2017

Semester	Title of examination subject	Subject status	ACCS credits		Contact hours (per week over 12 weeks)			Allocation of marks				
			Level	Number	L/T	P	Total	CA	Project	Practical	Final	Max
2	DevOps Project Management	M	9	15	3	3	6	100	-	-		100
2	Scripting the Deployment Pipeline	M	9	15	3	3	6	100	-	-		100

Total ACCS credits required for stage: 30

Special Regulations:

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Programme Schedule – Year 1 Semester 3

Name Of Provider: Letterkenny Institute of Technology

Title Of Award: MSc in Computing in DevOps

Area Of Specialisation: DevOps

Learning Mode Offered: Full-time, Part-time, ACCS

Stage: Award

Semester: 3

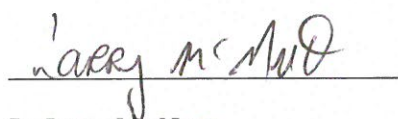
Date Effective: June 2017

Semester	Title of examination subject	Subject status	ACCS credits		Contact hours (per week over 12 weeks)			Allocation of marks				
			Level	Number	L/T	P	Total	CA	Project	Practical	Final	Max
3	Dissertation	M	9	30		4	4		100	-		100

Total ACCS credits required for stage: 30

Special Regulations:

Programme Evaluation Report Approved by:

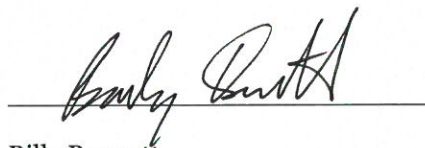


Dr Larry Mc Nutt

Chairman to Panel

(Registrar, IT Blanchardstown, (Chair))

Date 11/7/17



Billy Bennett

(Registrar, Letterkenny IT)

Date 11/7/17

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