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 McKeivitt, 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.

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

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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

<table>
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<th>Semester</th>
<th>Title of examination subject</th>
<th>Subject status</th>
<th>ACCS credits</th>
<th>Contact hours (per week over 12 weeks)</th>
<th>Allocation of marks</th>
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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

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<th>Semester</th>
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Total ACCS credits required for stage: 30

Special Regulations:

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

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Total ACCS credits required for stage: 30

Special Regulations:

Programme Evaluation Report Approved by:

Dr Larry McNutt
Chairman to Panel
(Registrar, IT Blanchardstown, (Chair))

Billy Bennett
(Registrar, Letterkenny IT)

Date 11/7/17

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