COURSE INFORMATION

MSc in DevOps Skillnet (NFQ Level 9)

STARTING JANUARY 2018

v. Dec. 2017

MSc in DevOps Skillnet (NFQ Level 9)

1 year – 90 credit s

Who is this course for?

With most technology organisations moving their delivery platforms to a DevOps approach the shortage of people with cross sectional skills in DevOps is now acute. Developed by industry as a direct response to this need this first-ever Master's degree in DevOps aims to fill these important talent gaps and give credit, recognition and credibility to technologists working in this field.
The course will help to develop the DevOps professional who can balance the trade-offs between requirements and costs, understands the business needs and the importance of effective communication to stakeholders. In addition the DevOps professional will have an advanced understanding of:

- Security and how it must be pervasive across all thinking about systems
- 'Ilities' and how Systems Design choices can impact on quality, deliverability and maintainability of systems
- The particular requirements of different verticals such as Banking, Trading, Security, Healthcare and so on.
- Best Practice in the Area
- New and Emerging technologies in the area

Entry Requirements

The minimum entry requirement for standard entrants to the course is a 2:2 (GPA 2.5 or equivalent), in a Bachelor of Science in Computing (Level 8) or a cognate discipline or equivalent. Candidates not attaining this standard level must achieve an acceptable standard for progression by other means approved by QQI.

Candidates may be interviewed to determine eligibility.

Course Timetable

There are two phases to the award – which may be taken separately or combined. Completion of the three semesters leads to the award of a Level 9 Postgraduate Diploma in DevOps (60 credits). Participants may go on to complete the fourth semester (a research project) which leads to the further award of a Masters of Science in DevOps Level 9 degree (extra 30 credits). The award structure will place greater emphasis on continuous assessment, practical and project work rather than on formal examinations. The aim is that participants will gain a deep understanding of the topics and content covered, and be able to demonstrate this acquired knowledge a proven competence in tests and exercises drawn from practical "real life" DevOps scenarios.

Who can apply
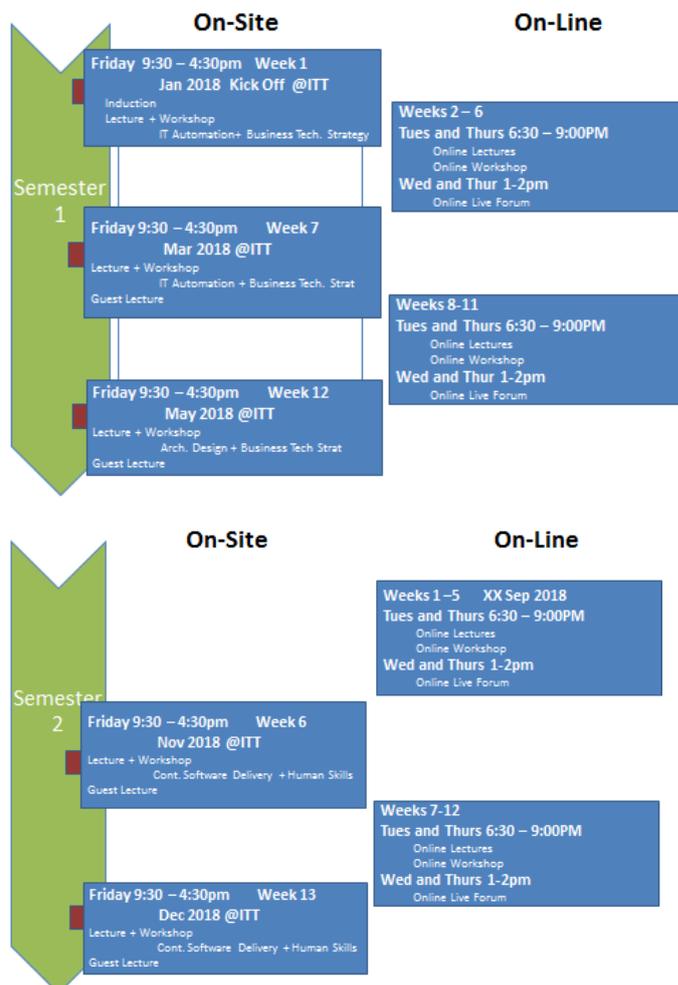
This course is open to all eligible students

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Course Summary

The advantages of Development Teams and Operations Teams collaborating to improve the delivery of technology solutions has meant a rapid adoption of DevOps approaches to the Software Development Lifecycle. Closely associated with Lean and Agile concepts in enhancing the delivery of technology solutions, the DevOps approach has impacted very rapidly on the Technology industry.

Most existing DevOps 'specialists' grow or develop into their role with no formal standards or certification, and a modicum of training in the actual practice of cross functional DevOps practices. They may already be experienced, highly skilled, competent and high performers in their own field of Software Development, Computing, IT Management, or Quality Assurance but they can lack the knowledge and understanding of the other cross functional disciplines they now find themselves working with daily. This Masters programme provides participants the opportunity to understand not only the technical, but also the business and human factors at play during the high pressure demands of modern software delivery processes, which is essential in the modern discipline of DevOps.

KEY DATES

Information Session January 11th 2018
(17:30-19:30)

INDUCTION 24th January 2018

Proposed Schedule for Semester 1 and 2

How to Apply

1. Students apply directly to Skillnet

Candidates should submit their CV directly to Technology Ireland ICT Skillnet at susan.kelly@ictirelandskillnet.org

For further information – course specific

Please Contact: barry.feeney@it-tallaght.ie

For queries on the application process

Please contact LLL@it-tallaght.ie or phone the Lifelong Learning Team @ 01-4042101