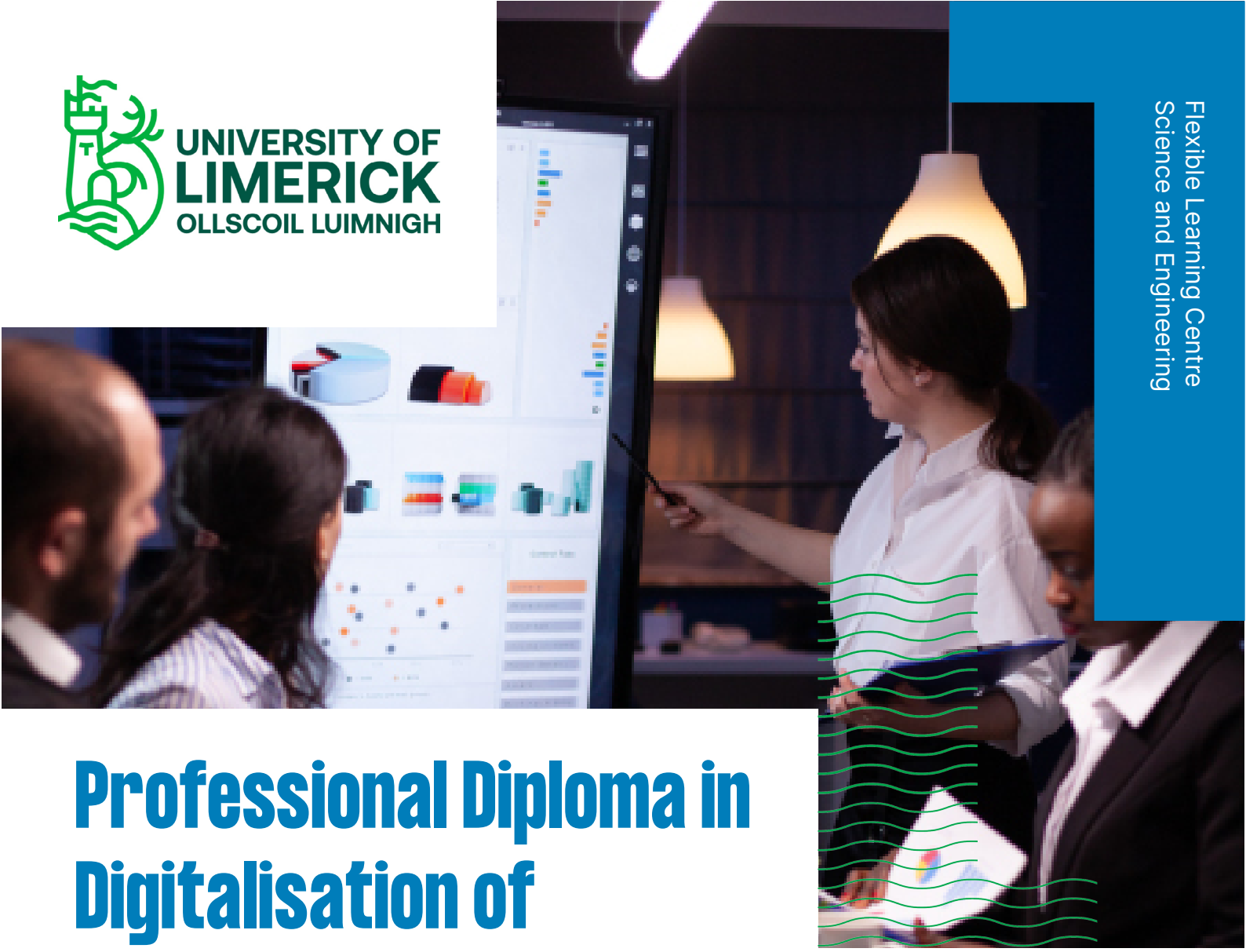
UNIVERSITY OF LIMERICK
OLLSCOIL LUIMNIGH

Flexible Learning Centre
Science and Engineering



Professional Diploma in Digitalisation of Business and Industry Processes

Programme Overview

Digitalisation of Business and Industrial processes is a major driver for the Irish economy in a bid to yield a fully circular, net-carbon neutral and digital economy by 2050.

Industry led in conjunction with an Industry Expert Working Group, the Professional Diploma in Digitalisation of Business & Industry aims to meet the demand for process digitalisation and data analytics in Business and Industry.

Why do this programme

- This professional diploma will help organisations to implement a digital transformation strategy for their organisations.
- Participants will receive comprehensive tools and a framework for implementing digital transformation within their organisation through this professional diploma.
- It will also help key staff understand the implications of digital technologies and learn about the scope of organisational change needed to embrace digital change and the extent of capability building needed for complete digital transformation.

1 year part-time
(Online/Blended)

Programme Content

Semester 1	Semester 2
Digitalisation Of Process This module will investigate the increasing digitalisation of business processes, from design through to process execution, establishing a robust process for understanding the digitization requirements, paths to digitising the process and methods of process visualization and analysis.	**Introduction To Data Analytics/Visualisation & Machine Learning** This module will introduce the learner to standard business systems to collect and interpret datasets for data-driven intelligence, understanding how to design and develop database systems and interpret data rooted in best data analysis practice.
Introduction To Cyber-Physical Systems & Internet of Things This module will enable the learner to programme standard ICT Boards, I/O, sensors and gateways in order to collect time-series data streams with an applied learning approach to understanding embedded systems, the Internet-of-things (IoT) and the cyber-physical systems (sensors, control boards) necessary for data acquisition in business environments.	**Applied Research Project in Business Process Digitalisation** The applied research project will be self-directed allow the learner apply the knowledge gained from the modules in a real life environment for the benefit of the organization and the learners career development. The project will be supported an industry based academic supervisor with expertise in the field.

The delivery of the programme will involve a blended learning approach, with online, face to face and practical workshops. It will involve self-directed study and focus on taking a set of Digitalization related modules with a applied research project in the candidates organisation

It will be delivered primarily via on-line lectures, supported with tutorials and assignments and if necessary some on-campus workshops. Formative assessment will be based on assignments and project work with a focus on acquiring knowledge and skills, with opportunity for creativity and innovation. Summative assessment will typically be continuous assessment and /or exam based except for the dissertation which will be report and presentation based.

Entry Requirements

Applicants should have a first or second-class Level 8 honours degree, or equivalent prior learning that is recognised by the University as meeting this requirement.

Applicants must also satisfy the English Language Requirements of the University. The University reserves the right to shortlist and interview applicants as deemed necessary.

How to Apply

For details on how to apply and documentation required, visit:
www.ul.ie/gps/courses/digitalisation-of-business-industry-processes-professional-diploma

Programme Contact
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Organisations can leverage digital transformation to fundamentally enhance the way they work. This applies among all business and organization's units such as:

- HR
- Finance
- Marketing
- Product/Service Development
- Manufacturing
- Healthcare

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