

Module Title:	Project (Digital Transformation)
Language of Instruction:	English
Credits:	10
NFQ Level:	6
Module Delivered In	1 programme(s)
Teaching & Learning Strategies:	This module is delivered in a studio environment where students work on a projects developing their problem solving, teamwork and communication skills. Some tutorials and lectures will be provided but most interaction will be facilitating a problem based learning environment and project supervision by the lecturer.
Module Aim:	To introduce the student to project work with a minor and major project. The minor project is an individual project drawing on the students' own personal abilities and the major is a group project requiring interaction with a small number of fellow students.
Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Identify an opportunity to re-engineer an existing business process.
LO2	Design and present a solution to transform a business model/operations/activity/process.
LO3	Develop a solution according to a specification.
LO4	Participate as a team member in developing an web based application that enables digital transformation
Pre-requisite learning	
Module Recommendations <i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
Incompatible Modules <i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
Co-requisite Modules	
No Co-requisite modules listed	
Requirements <i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>	
No requirements listed	

Module Content & Assessment

Indicative Content

Web Based Applications for Digital Transformation

Students will be provided with an introduction to the idea of Digital Transformation and given some practical examples. Other topics to be covered include, project management guidelines, project lifecycles and GDPR requirements.

Functional Specification

Students work individually on a functional specification for some common type of business process to be re-engineered. This involves making contact with an appropriate local business, conducting interviews, obtaining forms, dockets, brochures etc. in order to ascertain what functionality is required.

Application (Web Programming / Database)

Students work on a web based dynamic database project in groups of 3 or 4 to a detailed specification to transform some business process. They produce database layouts, user interface and code.

Supervision

Each student and group (depending on component) is assigned to a tutor, with scheduled weekly meeting times. Detailed standards and guidelines are published and strictly enforced for each component.

Assessment Breakdown	%
Project	100.00%

No Continuous Assessment

Project				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	Research design solutions using web based technologies to transform a business model/operations/activity/process. Students then present this solution.	1,2	35.00	n/a
Project	Web development application: Students are given a brief that details a businesses need to transform its business model/operations/activity/process using a web based application. Students must participate in a team. Deliverables include a project design report and a web based application. Students must also demonstrate the application.	3,4	65.00	n/a

No Practical

No End of Module Formal Examination

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

Module Workload

Workload: Full Time		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecturer-Supervised Learning (Contact)	Every Week	0.25
Project	Every Week	5.75
Total Hours		6.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_KWCAP_C	Higher Certificate in Computing	2	Mandatory