APPROVED

Programme Code	PGDCLOUD		Programme Duration	1

Programme Level	9		EQF Level	7		EHEA Level	Second Cycle

Programme Credits	60

Semester Duration	1 Week(s)
Language of Instruction	English
Field of Study	0613 - Software and applications development and analysis
Supplementary Field of Study	Computer use
CAO Code; QQI Progamme Code etc	Code
Programme Extra Information	Work Placement will occur either during term time or upon course completion.

Programme Outcomes

On successful completion of this programme the learner will be able to :

Description
Conduct independent research and analysis in the field of Cloud Computing
Demonstrate expert knowledge of application development, systems programming, parallel and distributed computing, and the tools, techniques and technologies of Cloud Computing utilised in both technical and business contexts.
Critically assess, evaluate and communicate business and technical strategies for Cloud Computing.
Develop and implement effective business and technical solutions for Cloud Computing.
Critically assess and evaluate security, privacy, and ethical issues associated with the storage, transfer, and processing of data on private and public cloud infrastructures.

Semester Schedules

Stage 1 / Semester 1

Core Subject	
Module Code	**Title**
H9CLAR	Cloud Architectures

H9CDOS	Cloud DevOpsSec

H9CPP	Cloud Platform Programming

Group Elective 1	
Module Code	**Title**
H9INN1	Innovation I

Group Elective 2	
Module Code	**Title**
H9BCC	Blockchain Concepts and Technologies

Stage 1 / Semester 2

Core Subject	
Module Code	**Title**
H9DGCE	Data Governance, Compliance and Ethics

H9FEC	Fog and Edge Computing

H9SCP	Scalable Cloud Programming

Group Elective 1	
Module Code	**Title**
H9INN2	Innovation II

Group Elective 2	
Module Code	**Title**
H9CML	Cloud Machine Learning

H9QC	Quantum Computing