APPROVED

Programme Code	PGDDA	Programme Duration	1

Programme Level	9	EQF Level	7	EHEA Level	Second Cycle

Programme Credits	0

Semester Duration	14 Week(s)
Language of Instruction	English
Field of Study	0611 - Computer use
Supplementary Field of Study	Computer use
CAO Code; QQI Progamme Code etc	Code

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

Description
Conduct independent research and analysis in the field of Data Analytics.
Formulate a novel research idea using the latest industry practices.
Demonstrate expert knowledge of data analysis, statistics, and the tools, techniques and technologies of Data Analytics utilised in both technical and business contexts.
Critically assess, evaluate and communicate business & technical strategies for Data Analytics.
Develop and implement effective business & technical solutions for Data Analytics.
Critically assess and evaluate security, privacy, and ethical issues associated with the storage, transfer, and processing of data for analytical purposes.

Semester Schedules

Stage 1 / Semester 1

Core Subject	
Module Code	**Title**
H9DAP	Database and Analytics Programming

H9SDA	Statistics for Data Analytics

Stage 1 / Semester 2

Core Subject	
Module Code	**Title**
H9DMML1	Data Mining and Machine Learning I

H9MSO	Modelling, Simulation & Optimization

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Group Elective 1	
Module Code	**Title**
H9BIBA	Business Intelligence and Business Analytics

Group Elective 2	
Module Code	**Title**
H8DIA	Data Intensive Architectures

Group Elective 3	
Module Code	**Title**
H9INN1	Innovation I

H9INN1	Innovation I

Stage 1 / Semester 3

Core Subject	
Module Code	**Title**
H9DGE	Data Governance and Ethics

H9DGE	Data Governance and Ethics

H9DMML2	Data Mining and Machine Learning II

Group Elective 1	
Module Code	**Title**
H9DAPA	Domain Applications of Predictive Analytics

Group Elective 2	
Module Code	**Title**
H9SSP	Scalable Systems Programming

Group Elective 3	
Module Code	**Title**
H9INN2	Innovation II

H9INN2	Innovation II