Programme PGDDA - Post Graduate Diploma in Science in Data Analytics · 05 May 2024

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

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## Stage 1 / Semester 2

	Core Subject		
Module Code	Title		
H9DMML1	Data Mining and Machine Learning I		
H9MSO	Modelling, Simulation & Optimization		
H9MSO	Modelling, Simulation & Optimization		
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		

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

Page 2 of 3

## Programme PGDDA - Post Graduate Diploma in Science in Data Analytics · 05 May 2024

Group Elective 2	
Module Code	Title
H9SSP	Scalable Systems Programming
Group Elective 3	
Module Code	Title
H9INN2	Innovation II
H9INN2	Innovation II