New Programme Desk Evaluation

1. GENERAL INFORMATION

1.1 **Proposed New Programme Titles:**
(list ALL awards to be approved)

Certificate in Innovation Design and Machine Learning, Level 8, 10 Credit, Minor Award

Parent programme: Higher Diploma in Business in Innovative Data Generation, Analytics and Management

1.2 **Panel Members Names:**

Position	Name	College / Industry
1. Chairperson	Colin McLean	Higher Education Lead Inspector Specialist, Ministry of Education, United Arab Emirates (Formerly Vice President of Academic Affairs & Registrar, IT Sligo)
2. Academic Rep	Dr Clare Ryan	CEO, ITUS Secure (Formerly Queens University & Ulster University)
3. Industry Rep	Denise Kent	Chartered Insurer, MDI, CDip, L.A. Quality Assurance Specialist, Zurich
Secretary	Dr Yvonne Kavanagh	Assistant Registrar, Institute of Technology Carlow

1.3 **Date of Desk Review:**   March & April 2022 *(Via Email)*

1.4 **Background:**   It was noted that a New Programme Evaluation took place in November 2022 with a virtual meting taking place via MS Teams on 30 November 2021. This panel reviewed and approved the Higher Diploma in Business in Innovative Data Generation, Analysis and Management including its 21 associated x 10 credit level 8 minor awards.

Following consultation with industry, this additional 10 credit module, Innovation Design and Machine Learning, will be included as an additional elective module on the Higher Diploma and it will also be offered as a stand-alone 10 credit Minor Award.

2.   EVALUATION

	Examining Criteria	Panel Member Comment	Response by Programme Development Team	ACTIVE / CLOSED
2.1	Are the proposed programmes in line with the Institute's *Policy and Procedures for the Design, Development, Validation and Withdrawal of all Programmes at Award Levels 6-10 in the NFQ?*	1. Yes 2. Yes 3 Yes		CLOSED
2.2	Has the programme team provided evidence to demonstrate interaction with relevant prospective employers in the development of these programmes?	1. Yes 2. Yes in line with HDip 3. Yes	Noted.	CLOSED
2.3	Has the programme team provided evidence to demonstrate demand from prospective learners to study on these programmes?	1. Yes 2. Yes 3. Yes		CLOSED
2.4	Is the programme(s) concept, implementation strategy well informed and soundly based – considering social, cultural, educational, professional and employment objectives?	1. Yes 2. Yes 3. Yes		CLOSED
2.5	Are the proposed programme titles fit for purpose? Do they reflect the intended programme learning outcomes and award level?	1. Just an observation that other 3rd level institutes that offer this type of programme also include the wording of data or algorithms when referring to machine learning 2. Title missing on P1 3. Yes, module is industry focused	1. Noted: Designed in conjunction with researched industry need as an introductory 'levelling up' module and where algorithms will be covered briefly in relation to introductory machine learning. 2. It is there but now highlighted in red so it stands out. 3. Noted.	CLOSED

2.6	Do the programmes meet the requirements set out in the relevant IT Carlow *Awards Standards*?	1. Yes 2. Yes 3. Yes		CLOSED
2.7	Are programme objectives and outcomes clear, transparent and appropriate with the awards being sought and detailed in the submission document?	1. Yes 2. Yes 3. Yes		CLOSED
2.8	Are the rationale and requirements for the programmes, including the graduate attributes associated with the programmes, clear, transparent and appropriate and detailed in the submission document?	1. Yes 2. Yes 3. Yes		CLOSED
2.9	Are the access, transfer and progression arrangements clear, transparent and appropriate? Are they detailed in the submission document?	1. Yes 2. Yes 3. Yes Cert and H Dip		CLOSED
2.10	Are the criteria and procedures for recognition of prior learning (RPL) clear, transparent and appropriate in the submission document?	1. Yes 2. Yes 3. Yes P126		CLOSED
2.11	Is the curriculum content outlined in the submission document structured and fit for purpose?	1. Yes. 2. Yes 3. Yes		CLOSED
2.12	Comments on individual modules?	1. The details contained within section 1.2 'Programme details for all Minor Awards (1.21) The entry Target group does not correlate with that detailed in Section 8 if the Employability statement for programme- Appendix 1 which refers to persons with a financial/background and c 150 CPD hours completed which is approx. 8-10 years' experience at CIP level or 4 years at ACII if Fellowship level- perhaps slightly confusing for a reader 2. Well Structured and in line with Higher Diploma in Business in Innovative Data Generation, Analytics and Management 3. Well designed module with will undoubtedly be useful to those working within the	1. Noted: Amendments made to remove any misalignment between language used in Appendix 1 for employability statement and Section 1.2 of the PP2 for the Major Award of Higher Diploma in Business in Innovative Data Generation, Analytics and Management. 2. Noted. 3. Noted.	CLOSED

		insurance industry. The module is also likely to attract participants from associated areas including Insurtech sectors.		
2.13	Where it exists, are the practice placement / work based elements clear, transparent and appropriate for both the learner and the employer? Are they outlined in the submission document?	1. N/A 2. NA 3. Yes work based learning project		CLOSED
2.14	Are the assessment strategies robust, reliable and valid and are they clearly documented in the submission?	1. Yes 2. Yes 3. Yes coursework reflective of content		CLOSED
2.15	Are the teaching and learning strategies sound and programme specific?	1. Yes 2. Yes 3. Yes		CLOSED
2.16	Are all ethical perspectives covered within all programme syllabi and is it clearly evidenced in the submission document?	1. Yes 2. Yes 3. Yes		CLOSED
2.17	Is the teacher-learner dialogue process clear, transparent and appropriate in the submission document to ensure that learners will be well informed, guided and cared for?	1. Yes 2. Yes 3. Yes		CLOSED
2.18	Where relevant, are special arrangements for joint/collaborative provision articulated in the submission document?	1. N/A 2. Yes 3. N/A		CLOSED
2.19	Has the management of the programme being clearly detailed in the submission document to ensure it will be well managed and resourced and that any joint/collaborative provision has been taken into account?	1. Yes 2. Yes 3. Yes		CLOSED
2.20	Any other comments?	1. 2. In line with Higher Diploma in Business in Innovative Data Generation, Analytics and Management 3. A strong addition to the current programme.	Thank you to the panel members for all their feedback.	CLOSED

Comments and responses raised in the Stage 1 Preliminary Evaluation of this proposed new award(s) will be considered and form part of the final Stage 2 evaluation process.

Response by Programme Team approved by:

_____   _____

Colin McLean   **Dr Yvonne Kavanagh**
Chairperson   to Panel   **Secretary to Panel**
(Higher Education Lead Inspector Specialist,   *(Assistant Registrar*
Ministry of Education, United Arab Emirates)   *Institute of Technology Carlow)*

Date: 5 April 2022   Date: 5 April 2022

Programme Schedule

Full Award Title:	Certificate in Innovative Design and Machine Learning					Akari Programme ID:	1611		ISCED Code:		0612

Award Type: *(Major/Minor/Special Purpose)*	Minor	NFQ Award Level:	8	Total Number of Award Credits:	10	Total Duration of Award *(Years, Semester, Month, Weeks or Days):*	24 hours delivery + 226 independent hours = 250 hours	Fulltime or Part-time Delivery: *(for this Award Schedule)*	PT

List All Associated Embedded Exit Award Titles:	

Total Stages/Years in Award:	1	Current Stage/Year:	Award	Total Number of Semesters per Stage/Year:		NA Modularised	Current Semester Number:	

				Programme Intakes Required: *(must be indicated)*	September Intake Required	**Yes** / No
					January Intake Required	Yes / No

Module Title	Module Status *Mandatory or Elective*	NFQ level	Credits	Hours *Contact Hours*	Allocation of Marks				
					CA	Project	Practical	Final	Max
Innovative Design and Machine Learning	M	8	10	24	100				100

Special Regulations Associated with this Stage / Semester of the Programme:

Approved, on behalf of the New Programme Evaluation Panel, by:

_____

Colin McLean
Chairperson to Panel
(Higher Education Lead Inspector Specialist,
Ministry of Education, United Arab Emirates)

Date: 5 April 2022

_____

Dr Yvonne Kavanagh
Secretary to Panel
(Assistant Registrar
Institute of Technology Carlow)

Date: 5 April 2022

Programme Abstract

Certificate in Innovation Design and Machine Learning

Minor Award, Level 8, 10 credits

The aim of this programme is to provide learners with an introductory understanding of and ability to evaluate and utilise innovation and design principles and machine learning tools and techniques ethically and legally in organisations from an insurance perspective. More specifically, the programme aims to instruct learners on the implementation of the designer's toolkit using a human centric insight to access and implement strategic design processes for innovation. It will also enable learners to develop visualisation skills for presenting complex data using techniques, methodologies and representations whilst also developing critical thinking skills through challenging the existing state of play within a business model. Lastly, it will enable learners to apply basic machine learning to address challenges within the Insurance industry

Programme Abstract Approved, on behalf of the New Programme Evaluation Panel, by:

_____
Colin McLean
Chairperson to Panel
(Higher Education Lead Inspector Specialist,
Ministry of Education, United Arab Emirates)

Date: 5 April 2022

_____
Dr Yvonne Kavanagh
Secretary to Panel
(Assistant Registrar
Institute of Technology Carlow)

Date: 5 April 2022