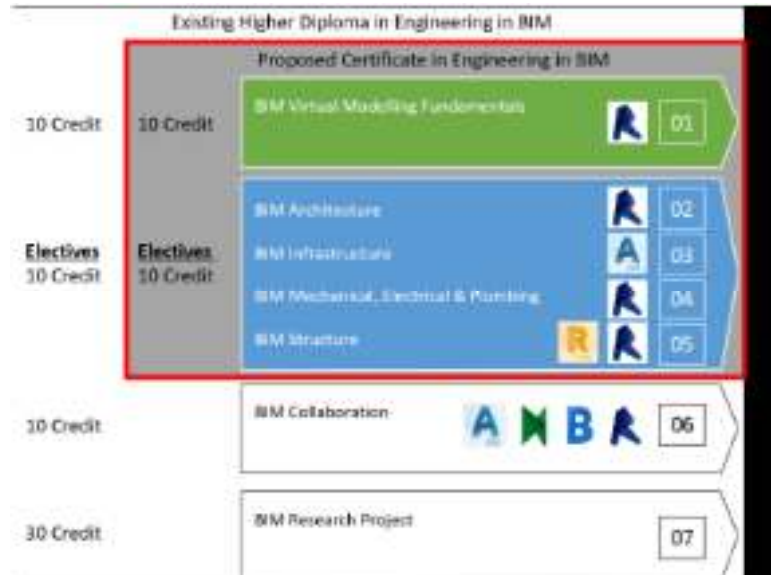


VALIDATION REPORT

1.	Title of Programme(s): (incl. Award Type and Specify Embedded Exit Awards)	Higher Diploma in Building Information Modelling
2.	NFQ Level(s)/ No. ECTS:	20 ECTS
3.	Duration:	1 year
4.	ISCED Code:	0732
5.	School / Centre:	School of Engineering
6.	Department:	Department of Building and Civil Engineering
7.	Type of Review:	Differential Validation
8.	Date of Review:	17 th June 2021
9.	Delivery Mode:	Full-time
10.	Panel Members:	Dr Ian O'Connor (Chair) Ms Anne Wiseman Ms Mary Nestor Mr Brian Kelly, Director of Building & Infrastructure, RPS Group Ms Carmel Brennan (Secretary)
11.	Proposing Staff:	Ms Mary Rogers Mr Gerard Nicholson Mr Andy McNamara Mr Mark Costello Mr Tommy Coyne
12.	Rationale and Proposed Changes	<p>The proposal is to create and offer a 20 ECTS Certificate in Engineering in Building Information Modelling, a minor award of the HDip in BIM. Students who complete this may progress to year 2 to gain the Higher Diploma in Engineering in Building Information Modelling Level 8 (60 credits).</p> <p>In year 1 of the proposed programme, students will take 2 modules: BIM Fundamentals (10 credits) and an elective choice of one other module: BIM Architecture, BIM</p>

Infrastructure, BIM Structure and BIM MEP (each 10 credits). The programme learning outcomes are focused on (a) developing the student’s ability to construct complex virtual building information models, specialising in one core discipline and (b) manage the application and integration.



This proposal arises from a review process carried out with graduates of the existing higher diploma in 2020. Feedback from participants on the Higher Diploma in Engineering in BIM is that the core upskilling needed is taken from the BIM Virtual Modelling Fundamentals module and one specialism/ elective (BIM Architecture/ BIM Infrastructure/ BIM Structure/ BIM Mechanical, Electrical and Plumbing).

Module registration is flexible, and many students register per module and complete as required. Many students exit after one year of study on the existing programme due to funding/ change of location/ promotion/ work commitment issues. The new programme will give the student an incentive to complete the two modules and exit with a Certificate.

In addition to the creation of the minor award, the Programme Board have also proposed minor modifications to module learning outcomes, syllabus, CA breakdown and updated all reading lists.

13. Resource Implications:

There are no additional resource implications (from its originating programme) for this remodelled programme.

The programme will be offered on a self-financing basis.

14.	Findings and Recommendations:	Overall Findings	
		<p>The panel commended the proposing team on their responsiveness to industry needs and the creation of flexible entry and exit routes for prospective students.</p> <p>The panel recommend approval of the proposed changes including the approval of a level 8 Certificate in Engineering in Building Information Modelling (20 ECTS) subject to the following conditions (2) and recommendations (4):</p>	
		Conditions	
		<ol style="list-style-type: none"> 1. Review the Programme Learning Outcomes to ensure that all are achievable and that they are articulated in a grammatically consistent manner. 2. Specify the entry requirements of the programme more clearly and during Programmatic Review undertake a more thorough review of minimum entry requirements. 	
		Recommendations	
		<ol style="list-style-type: none"> 1. Further articulate the teaching and learning strategy, including reference to the learning theory that underpins the approach. Include reference to the close links between this programme and industry and how this influences the teaching, learning and assessment strategies. Ensure there is a consistent approach between programme and module level teaching and learning strategy. 2. Outline the induction process used to transition students into this programme. 3. Review each module revising the number of teaching weeks attached, ensuring module learning outcomes consistently use active measurable verbs appropriate to the level of the award, and including specific rather than generic resources. 4. CIVE08053 Building Information Modelling Structure: To be consistent with other modules include independent learning hours. 	
22.	FAO: Academic Council:	Approved:	
		Approved subject to recommended changes:	X
		Not approved at this time:	
	Signed:		
		Chair	Secretary

