

1.	Title of Programme(s): (incl. Award Type and Specify Embedded Exit Awards)	Bachelor of Engineering in Manufacturing Engineering (Apprenticeship) Higher Certificate in Manufacturing Engineering (Apprenticeship)
2.	NFQ Level(s)/ No. ECTS:	7 180
3.	Duration:	3 years
4.	ISCED Code:	0710
5.	School / Centre:	School of Engineering
6.	Department:	Department of Mechanical and Industrial Engineering
7.	Type of Review:	Differential Validation
8.	Date of Review:	24 th June 2020
9.	Delivery Mode:	Full-time
10.	Panel Members:	Ms Fiona Cranley, Head of School of Engineering, TU Dublin (Chair) Mr Pat McCormick, Head of Department, Department of Engineering Trades and Civil Engineering, Dundalk Institute of Technology Mr Paul Leamy, Head of Department, Letterfrack Campus, GMIT Dr Rachel McCarthy, School of Science, GMIT* Ms Carmel Brennan, Assistant Registrar (Quality), GMIT (Secretary) *Dr Rachel McCarthy was unable to attend the validation on the day but met with the panel in advance and provided comprehensive feedback orally and in writing.
11.	Proposing Staff:	Dr Carine Gachon Mr Paul O'Dowd Mr Alan Hannon Ms Eilish Zaletel Mr Vlad Teleanca Mr Pdraig Audley Mr Martin Conneely Mr Darren Fitzgerald, Cork Institute of Technology Mr David McMoreland, IT Sligo Mr Mark Barry, Limerick Institute of Technology
12.	Proposed Changes	This programme is one of the new higher education apprenticeships, developed in conjunction with IBEC's Irish Medtech Association and partner colleges. It represents a novel approach to engineering education. Students spend one semester per year in the Higher Education Institute and the remainder of the year learning in the workplace, supported by an industry mentor and institute lecturers, while following a structured learning plan. GMIT is the coordinating provider working with partner colleges IT Sligo, LIT and CIT.

		<p>The changes proposed relate to:</p> <ul style="list-style-type: none"> - Changes to delivery, specifically contact hours - Changes to mode of assessment, primarily redesignation of assessment modes - Changes to academic content i.e. amendments to module learning outcomes for 3 modules - Amendment to title of one module i.e. 'Six Sigma Green Belt Quality' to 'Six Sigma Quality' to avoid confusion that the module leads to the Green Belt award. <p>There is no impact on Programme Learning Outcomes.</p>	
13.	Stakeholder Engagement:	All partners have discussed and agreed the proposed changes below through the Coordinating Provider Programme Board and the Lecturers' forum for the programme.	
14.	Graduate Demand:	Manufacturing engineering represents an area of skills demand nationally and particularly in the MedTech sector, which this programme was designed to primarily serve.	
15.	Resource Implications:	Increase in supervision allowance for Industry Projects and increase (1 hour pw) for Robotics and Control. Decrease (1 hour pw) for Engineering Software Systems.	
16.	Findings and Recommendations:	General:	
		The team were commended on the essence of the programme and the collaborative work undertaken with industry and between the colleges involved.	
		Following the reconvening of the panel to consider an updated summary of changes presented for consideration, this programme was approved subject to the following conditions (0) and recommendations (2).	
		Special conditions attaching to approval (if any):	
		None.	
		Recommendations of the panel in relation to award sought:	
		<ol style="list-style-type: none"> 1. Revise pedagogy to include reference to more modern thinking including that relating to online delivery. 2. Include details of student feedback mechanisms in the Module Manager programme document. 	
22.	FAO: Academic Council:	Approved:	
		Approved subject to recommended changes:	X
		Not approved at this time:	
	Signed:		
		Chair	Secretary