

1.	Title of Programme(s): (incl. Award Type and Specify Embedded Exit Awards)	Bachelor of Engineering in Manufacturing Engineering (Add-on)
2.	NFQ Level(s)/ No. ECTS:	7 60
3.	Duration:	1 year
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)
11.	Proposing Staff:	Dr Carine Gachon Ms Eilish Zaletel Mr Vlad Teleanca Mr Pdraig Audley Mr Martin Conneely
12.	Proposed Changes	<p>The BEng in Manufacturing Engineering (Add-on) is a 60 ECTS level programme designed in response to, and in conjunction with, an industry partner. The programme has proved very popular as a Springboard offering. The Programme Board have requested a number of amendments to improve the programme for students, as follows:</p> <ul style="list-style-type: none"> Enrolled students are typically in full-time employment, and feedback has suggested that blocks of face-to-face delivery are proving difficult given work commitments. Therefore, the programme team reviewed and considered delivery with a view to moving material online where appropriate to do so, reducing the face-to-face content. The Programme Board have also proposed changes to Instrumentation and Automation and to Manufacturing Process Planning modules, and the introduction of Communication and Professional Development as a mandatory module to increase the transversal skills of graduates. Hours on the maths module have been reclassified as practical hours to reflect the delivery mode.

		<ul style="list-style-type: none"> Addition of elective stream to facilitate progression for graduates of HC in Manufacturing Engineering (Apprenticeship). 	
13.	Stakeholder Engagement:	Proposed changes were strongly influenced by feedback from students and graduates.	
14.	Graduate Demand:	The programme generally represents CPD for students who are already in the workplace who wish to improve their skills and knowledge, and potentially position themselves for promotion. The fact that the programme is approved for Springboard funding demonstrates that the programme addresses an identified national skills shortage.	
15.	Resource Implications:	Delivery and supervision of industry module elective, if delivered.	
16.	Findings and Recommendations:	General:	
		This programme was approved subject to the following conditions (5) and recommendations (4).	
		Special conditions attaching to approval (if any):	
		<ol style="list-style-type: none"> A comprehensive listing of changes to modules including learning outcomes needs to be provided. Maths, including Laplace Transform, is to be mandatory for all students on this programme, irrespective of entry pathway. A clear mapping showing how students on Elective Stream 2 are in a position to achieve all the learning outcomes of the programme needs to be provided, in light of the fact that they are not undertaking a number of taught module learning outcomes. The documentation needs to be edited to remove typos and provide clarifications as indicated in the returned document. Updated documentation showing clearly how the above conditions have been met must be submitted to the panel for approval. 	
		Recommendations of the panel in relation to award sought:	
		<ol style="list-style-type: none"> Provide further detail in the document on the operation and delivery of the add-on programme to enhance clarity for prospective students. Revise pedagogy to include reference to more modern thinking including that relating to online delivery. Include details of student feedback mechanisms in the Module Manager programme document. Revise entry requirements to refer to QQI HE and QQI FE rather than HETAC and FETAC. Align Operations Management modules with the apprenticeship, as discussed. 	
22.	FAO: Academic Council:	Approved:	
		Approved subject to recommended changes:	X
		Not approved at this time:	
	Signed:		
		Chair	Secretary