



Institute of Technology Sligo
INSTITIÚID TEICNEOLAÍOCHTA SLIGEACH

REPORT OF VALIDATION NON MAJOR PANEL

Date of Evaluation	9 TH June 2021
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Programmes Title(s)	Certificate in Mechatronic Engineering
Award Title(s):	Certificate in Mechatronic Engineering
Programme Code(s)	SG_EMECH_S07 2019
NFQ Level	7
ECTS credits	30 credits

Evaluation Panel Member:

Name & title	Job title & place of work	Role on panel
Dr Breda McTaggart	Head of Department of Social Sciences	Chairperson
Chris O Malley	VP Research and Innovation	Panel members
Carmel Cullen	Technical Engineering Manager, Nordson Medical.	Panel member
Dr Aodhmar Cadogan	Assistant Registrar	Secretary

Declaration Regarding Any Conflicts of Interest: The members of the Panel signed a form confirming that they did not have any conflict of interest.

Meeting groups

Institute Management. As below

Programme development team. As below

Persons met by validation panel

Name & title	Role in Institute	Rationale for presence at validation.
David Mulligan	Head of Department of Mechatronic Engineering	Head of Department

Note: In the context of this report, a condition indicates an action or amendment which in the view of the validation panel must be undertaken prior to the commencement of the new (or revised) programme. Conditions are mandatory for Approval of the Programme(s). A recommendation indicates an action or amendment which in the view of the panel should be given serious consideration by the programme development team for implementation.

Validation criteria	Sufficient evidence / Insufficient evidence
<p>Rationale for the programme</p> <ul style="list-style-type: none"> • Philosophy underpinning the programme e.g. market for programme in the region and its relevance to the region • Graduate profile and employment opportunities for graduates • Rationale for the programme e.g. School's/Institute's strengths/opportunities • Programme Aims and Objectives • Expected intellectual development and Programme learning outcomes • Related existing programmes. 	Sufficient evidence provided. Clear need for programme was articulated
<p>Commendation: None Condition: None Recommendation: None</p>	
<p>Programme structure</p> <ul style="list-style-type: none"> • Delivery type (semesterised or stage-based) • Proposed mode of delivery (i.e. in-class, on-line, blended, full time and/or part time) • Planned intake numbers (over the full duration of the programme) • Role of placement 	Sufficient evidence provided.
<p>Commendation: None Condition: None Recommendation1 : The programme should review at the next available opportunity the student contact time hours for all the online modules in the programme to ensure accuracy.</p>	
<p>Resources (over the full duration of the programme)</p> <ul style="list-style-type: none"> • Facilities and human and material resources available to mount the programme • Clarification of any staffing requirements • Location of the delivery • Specific s requirements: lecture rooms, laboratories, library, Information technology and other student supports • Confirmation regarding any new facilities and staffing requirements 	No additional resources anticipated with current student intake

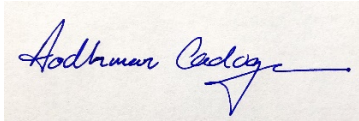
<ul style="list-style-type: none"> • Special requirements (e.g. remote access for distance learners) 	
Commendation: None Condition: None Recommendation: None	
Access, Transfer and Progression Criteria <ul style="list-style-type: none"> • Student admission requirements • Progression criteria from one stage to the next and to higher levels on the NFQ • Non-standard entry (e.g. mature candidates and candidates with experiential learning) • Transfer policy into the programme and onto other programmes 	Sufficient evidence provided. Access same as access to full L7 add on, with additional maths support where required.
Commendation: None Condition: None Recommendation: None	
Curriculum <ul style="list-style-type: none"> • A matrix exhibiting the academic pathway and the relationship between modules • The consistency between the programme content, teaching methods and the programme learning outcomes • Balance between the depth and breadth of the programme • Rigour of the academic standard in the final stage of the programme • Student workload • Practice: the role and management of placement or work-based projects. 	Sufficient evidence provided. For some module the number of learning outcome are as much as 8 for a 5 credit module.
Commendation: None Condition: None Recommendation 2: The programme should review at the next available opportunity the learning outcomes for all the modules to ensure they meet the institute policy as set out in QA003 Module Writing procedure.	
Assessment <ul style="list-style-type: none"> • The appropriateness of the modes of assessment to be used • The balance between the marks awarded for different assessment modes (e.g. continuous assessment, projects, reports, sit-down examination) 	Sufficient evidence provided .

<ul style="list-style-type: none"> • Confirmation that all of the programme learning outcomes are appropriately and adequately assessed within the set of module assessments. 	
Commendation: None Condition: None Recommendation: None	
Staffing <ul style="list-style-type: none"> • Quality and specialities of staff available to support the programme • Technical and administrative support • Staff development • Industrial/commercial profile of staff • Research and publications 	No additional staffing required
Commendation: None Condition: None Recommendation; None	
Programme Administration and Quality Assurance <ul style="list-style-type: none"> • Procedure for managing programme • Student support student counselling and tutorial arrangements • Aspects of programme which highlight and foster study skills, independent learning and the inculcation of individual responsibility in students • EU and international aspects if appropriate • Feedback mechanisms e.g. use of surveys, focus groups and follow-up actions. 	The current QA arrangements will cover the requirements for this programme
Commendation: None Condition: None Recommendation: None	

Overall decision of the panel	
<p>The panel agreed to recommend to the Academic council the approval of the following Minor award at Level 7 30 ECTS.:</p> <p>Certificate in Mechatronic Engineering</p>	

Chairperson: Dr Breda McTaggart.

Date _____



Secretary:

Dr Aodhmar Cadogan

09/06/2021

Date: _____

Programme Schedule

**SG_EMECH_N
07**

Module Code	Module Title	Stage	Semester	M/E	OL Hours *	Credit s	FO %	CA %	PF %	EXAM %	PROJ %
MECT07024	Control Systems 301	Stage 3	Semester 5	Mandatory	0	5	0	40	0	60	0
MECT07029	Supervisory Control and Data Acquisition L7	Stage 3	Semester 5	Mandatory	0	5	0	20	0	10	70
MATH07035	Mathematics 3	Stage 3	Semester 6	Mandatory	2	5	0	30	0	70	0
MECT07025	Control Systems 302	Stage 3	Semester 6	Mandatory	0	5	0	40	0	60	0
AUTO07034	Advanced Automation Technology	Stage 3	Semester 6	Mandatory	0	5	0	0	0	0	0
ENG07039	Professional Development & Employability	Stage 3	Semester 5	Mandatory	1	5	0	100	0	0	0

* To be checked and amended as per recommendation above.