



**Audit of Validated Programmes**

<b>Programme Code</b>	<b>Programme Title</b>	<b>Validation Panel Date:</b>
SG_EELEC_H08	Programme name Bachelor of Engineering (Hons) in Electronics and Self Driving Technologies	20 April 2020


**Attendance:** Dr Aodhmar Cadogan, Assistant Registrar, Diane O'Brien Head of Department,  
**Programme Team (if attending):** Not applicable  
**Date of Audit:** 16 Nov 2020

<b>Recommendations</b>	<b>Response to recommendations</b>	<b>Evidence of revised documentation presented. A</b>	<b>Outstanding issues</b>
<p><b>Recommendation</b></p> <p>In regards to the assessment of some of the learning outcomes in In stage 1 semester 2 Introduction to professional engineering module, the panel recommended that there may be scope within the assessment of the Multi disciplinary project module to address some of the assessment and provide context.                      The panel noted that functional safety in regard to self driving was not explicitly mentioned in any module, the panel recommends it is integrated into the programme.</p>	<p><b>Response:</b></p> <ol style="list-style-type: none"> <li>The lecturer on the Introduction to Professional Engineering and the lecturer on the Multidisciplinary Project will link to provide overall context and discuss opportunities for cross modular assessment.</li> <li>Functional safety will be explicitly covered in the V2x and Cybersecurity module and a learning outcome is specifically assigned to functional safety. Functional safety for autonomous vehicles ISO26262</li> </ol>	<p>Response accepted                      ENG06072                      Response accepted                      TRON08019 updated to include functional safety</p>	<p>Closed                      Closed</p>

	<p>will also be referred to in other vehicle specific modules but in the context of the module itself.</p> <p>3. Research methods is incorporated in the Project 400 module and workshops will be provided to the students.</p> <p>4. The programme documentation has been updated to include details of the special entrance maths examination.</p> <p>5. This recommendation to ensure all disciplines are assessed appropriate to their specialities within the Engineering Graphics and Computer Aided Design will be highlighted to the lecturer delivering this module.</p>	<p>COMP08177 Updated</p> <p>Located in the Programme Access section</p> <p>This will be highlighted by lecturer delivering programme and has not been written into the Module specifically. Response accepted <u>ENG06081</u></p>	<p>Closed</p> <p>Closed</p> <p>Closed</p>
<p><b>Conditions</b></p>	<p><b>Response to Conditions</b></p>	<p><b>Evidence of revised documentation presented.</b></p>	<p><b>Outstanding issues</b></p>
<p><b>Condition:</b></p> <p>1. <b>As Above</b> There were a number of modules with missing information and/or draft versions of modules. Example Stage 3 missing Scada and Maths elective. Review and confirm the schedule and modules are correct for the programme. Remove repetition in Aim section, Vol2.</p>	<p><b>Response:</b></p> <p>1. The maths (elective) module has now been added to the programme schedule in AMM.</p>	<p>Module Code – <u>MATH08013</u> Now</p> <p>Aim updated in page 8 of 296 of module manager</p>	<p>Closed</p> <p>Closed</p>

<p>2. <b>As above</b> Provide (within AMM or in addition to) a bespoke set of learning outcomes for the programme.</p>	<p>2. A bespoke set of PLO had been included in the submission document.</p>	<p>Page 21 of Volume 1 Submission Document</p>	<p>Closed</p>
<p>3 Vehicle Kinematics is an important aspects of self driving technology and is not specifically mentioned in any module. This needs to be included within the programme.</p>	<p>3. Vehicle Kinematics has been added to the Robotic Path Planning Module TRON08017</p>	<p>TRON08017 updated to include vehicle Kinematics.</p>	<p>Closed</p>

All recommendation reviewed by the Assistant Registrar and this concludes the QA process.

  
 Dr Aodhmar Cadogan  
 Assistant Registrar

14/9/2021  
 Date

\_\_\_\_\_  
 Name  
 Head of Department

\_\_\_\_\_  
 Date

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<p>3. Vehicle Kinematics is an important aspects of self driving technology and is not specifically mentioned in any module. This needs to be included within the programme.</p>			

All recommendation reviewed by the Assistant Registrar and this concludes the QA process.

Dr Aodhmar Caddogan

Date

Assistant Registrar

Diane O'Brien

Diane O'Brien

Name

Date

Head of Department

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