

Doc. 300.1.2

Date: Date.

## Higher Education Institution's Response

- **Higher Education Institution:**  
Intercollege

- **Town:** Nicosia

- **Programme of study**  
Name (Duration, ECTS, Cycle)

**In Greek:**

Μηχανική Αυτοκινήτων (2 Έτη/120 ECTS, Δίπλωμα)

**In English:**

Automotive Engineering (2 Years/120 ECTS, Diploma)

- **Language(s) of instruction:** Greek

- **Programme's status:** Currently Operating

- **Concentrations (if any):**

**In Greek:** Concentrations

**In English:** Concentrations



**The present document has been prepared within the framework of the authority and competencies of the Cyprus Agency of Quality Assurance and Accreditation in Higher Education, according to the provisions of the “Quality Assurance and Accreditation of Higher Education and the Establishment and Operation of an Agency on Related Matters Laws” of 2015 to 2021 [L.136(I)/2015 – L.132(I)/2021].**

## A. Guidelines on content and structure of the report

- *The Higher Education Institution (HEI) based on the External Evaluation Committee's (EEC's) evaluation report (Doc.300.1.1 or 300.1.1/1 or 300.1.1/2 or 300.1.1/3 or 300.1.1/4) must justify whether actions have been taken in improving the quality of the programme of study in each assessment area. The answers' documentation should be brief and accurate and supported by the relevant documentation. Referral to annexes should be made only when necessary.*
- *In particular, under each assessment area and by using the 2<sup>nd</sup> column of each table, the HEI must respond on the following:*
  - *the areas of improvement and recommendations of the EEC*
  - *the conclusions and final remarks noted by the EEC*
- *The institution should respond to the EEC comments, in the designated area next each comment. The comments of the EEC should be copied from the EEC report **without any interference** in the content.*
- *In case of annexes, those should be attached and sent on separate document(s). Each document should be in \*.pdf format and named as annex1, annex2, etc.*



## 1. Study programme and study programme's design and development (ESG 1.1, 1.2, 1.7, 1.8, 1.9)

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For official use Only
The Internal Evaluation Committee is set up and runs for 2 years. It is recommended that also the Program Review and the Program Evaluation Committees be defined for the same period and be known from the beginning. In this way their role will be differentiated from the ordinary Programme Staff Meeting.	The Program Review and the Program Evaluation committee meet once per semester. The reason for not being set up for 2 years, as with the Internal Evaluation Committee, is because these two committees consist of FT and PT faculty members who may change from one year to another.	Choose an item.

## 2. Student – centred learning, teaching and assessment (ESG 1.3)

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For official use Only
Lab sessions within mixed courses are considered rather limited for a program of such level. For example, 6h of laboratory work within a semester of 13 weeks for a course of 3h per week (39h/semester) are considered very few	The recommendation of the EEC is implemented and overall laboratory hours have been increased to reflect the level of the programme. Updated syllabi available in as <b>APPENDIX I: Laboratory Work Hours and Description</b>	Choose an item.
Lab contents per course need to be defined more precisely	The recommendation of the EEC is implemented and contents per course are clearly defined in the updated syllabi available in as <b>APPENDIX I: Laboratory Work Hours and Description</b>	Choose an item.
Further development of the laboratory facilities in order to reflect the modern trends in the automotive field, such as laboratory setups on electric and hybrid vehicles, emission control technologies, among other, is recommended	We agree with the recommendations of the EEC. As evident by the detailed list available as <b>APPENDIX V</b> , our automotive laboratory is fully equipped for the delivery of the programme and in addition, our students will have the opportunity to practice on real life, latest technology equipment through various collaborations with the industry and practitioners in the field. In the future, as the programme advances, more resources will be invested in equipment purchases and hardware upgrades.	Choose an item.
Course on in-use vehicle legislation with a focus on vehicle testing requirements could be useful.	We agree with the recommendation of the EEC and subjects on in-use vehicle legislation have been added to the following course:  <b>a. AUTO-260 Vehicle Diagnostics</b>  The course description is available in <b>APPENDIX II: Course Contents Amendments</b>	Choose an item.
The course IMGT-281 Introduction to Management is too extensive. Contents are too ambitious and they are not necessary, such as The decision-making process and quantitative	We agree with the EEC recommendation and the course has been restructured based on the EEC feedback. <b>APPENDIX III: Course Revision</b>	Choose an item.

<p>decision-making tools. (Payment Matrix, Decision Trees, Linear Programming, Break-even Analysis). Students do not have the knowledge to learn these tools. The whole course needs a revision (objectives, learning outcomes and contents)</p>		
<p>In the course "Principles of Electricity" (MTECH-110), learning advanced electrical engineering topics, such as DC and AC motors is too ambitious. We recommend moving the corresponding topics to more advanced courses like "Vehicle Electrical and Electronic Systems" (AUTO-110) and "Electric Vehicles" (AUTO-275).</p>	<p>The Institution agree with the EEC recommendation. DC and AC motor subjects have been moved to the following course:</p> <p><b>a. AUTO-275 Electric Vehicles</b></p> <p>The changes are available in <b>APPENDIX II: Course Contents Amendments</b></p>	
<p>In the course "Electric Vehicles" (AUTO-275) discussing ecologic impacts is necessary because the electric vehicle is not really a zero-emission vehicle.</p>	<p>The institution fully agrees with the EEC recommendation and the subject of Ecologic Impact has been added to the course content of:</p> <p><b>a. AUTO-275 Electric Vehicles</b></p> <p>The additional course content is available in <b>APPENDIX II: Course Contents Amendments</b></p>	
<p>To improve research and academic involvement and education of students, establishing a Formula-Student project could be considered.</p>	<p>The recommendation of the EEC will be considered. Faculty members will explore the possibility of joining a formula-student network both locally and internationally in the future.</p> <p>In addition, the institution will increase its efforts to participate in more Erasmus KA2 projects.</p>	

### 3. Teaching staff (ESG 1.5)

Areas of improvement and recommendations <b>by EEC</b>	Actions Taken by the Institution	For official use Only
Table 3 needs in the application form needs to be revised and the courses that were assigned to Dr. Loizou must be assigned to the available personnel.	Table 3 has been revised and it is available in <b>APPENDIX IV: Teaching Personnel Courses and Teaching Periods in the Program of Study</b>	Choose an item.
The teaching staff should take advantage of the support offered by the college, which is part of the University of Nicosia, for the research activities and undertake research in the automotive field.	The Institution already provides dedicated time release to all full-time faculty members and incentives to promote research. In addition, research activity is part of the faculty ranking criteria.	

**4. Student admission, progression, recognition and certification**  
 (ESG 1.4)

Areas of improvement and recommendations <b>by EEC</b>	Actions Taken by the Institution	For official use Only
<p>The diploma provided is only in Greek. It is recommended to also include an English version of the diploma which would be useful for international activities and recognition.</p>	<p>Of course we are open to the idea of offering the programme in English as to attract more international students. We will initially focus on the offering of the programme in Greek for the local market, and in the future, based on market research and feedback received, we will consider offering it also in English.</p>	<p>Choose an item.</p>



**5. Learning resources and student support**  
 (ESG 1.6)

Areas of improvement and recommendations <b>by EEC</b>	Actions Taken by the Institution	For official use Only
<p>Further development of the laboratory facilities in order to reflect the modern trends in the automotive field, such as laboratory setups on electric and hybrid vehicles, emission control technologies, among others, is recommended. The space available of the existing labs is marginally adequate for the current number of students (16 students). Additional space is required for catering to the proposed changes in laboratory facilities and any increase of student number</p>	<p>As mentioned in Section 2, the Institution has invested and is willing to invest in the further development of its laboratory facilities. Nevertheless, the specific type of expanded investment is currently too expensive for a course with such limited number of students. We will continue our collaboration with external partners and use our networking to give our students the best possible training in electric and hybrid vehicles even though the program already has substantial equipment available.</p>	<p>Choose an item.</p>

**6. Additional for doctoral programmes**  
 (ALL ESG)

Areas of improvement and recommendations <b>by EEC</b>	Actions Taken by the Institution	For official use Only
N/A	N/A	Choose an item.
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## 7. Eligibility (Joint programme) (ALL ESG)

Areas of improvement and recommendations <b>by EEC</b>	Actions Taken by the Institution	For official use Only
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## B. Conclusions and final remarks

Conclusions and final remarks by EEC	Actions Taken by the Institution	For official use Only
<p>The program meets the requirements for granting the 2 years diploma of Automotive Engineering but the college needs to fulfill recommendations as were outlined within each subsection. It is to be noted that the comments about the lab facilities were already pointed out in the previous evaluation and were not implemented.</p>	<p>The Institution would like to thank the EEC for the time and consideration taken during the evaluation along with the comments provided. As to the comments regarding the lab facilities that were already pointed out in the previous evaluation, we provide the list (ISO 9001:2015 approved) indicating the purchased of the equipment requested in the EEC response report on the 03/01/2017. As mentioned earlier, further investments will be made for additional equipment purchases and upgrading.</p> <p><b>APPENDIX V: List of Equipment Automotive Lab</b></p>	<p>Choose an item.</p>

### C. Higher Education Institution academic representatives

<i>Name</i>	<i>Position</i>	<i>Signature</i>
<b>Christodoulos Kakoulli</b>	Programme Coordinator	
<b>Kyriakos Patsalides</b>	Academic Director	
Click to enter Name	Click to enter Position	
Click to enter Name	Click to enter Position	
Click to enter Name	Click to enter Position	
Click to enter Name	Click to enter Position	

**Date:** 20/12/2022

