EXPERT REPORT
POST-ACCREDITATION EVALUATION

UNIVERSITY OF PRISTINA

Faculty Name: FACULTY OF ELECTRICAL AND COMPUTER ENGINEERING

Study Program: MSc in Electronics, Automation and Robotics

30th of May, Prishtina

1

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Date of Accreditation Decision: 15/09/2024 – 15/09/2027

Date of Post-Accreditation Review: 30/05/2025

Experts Name: Mr. Flavio Canavero
                        Mrs. Laura Palac

Coordinator/s from Kosovo Accreditation Agency (KAA):
Milot Hasangjekaj, Head of Post-Accreditation Division
Elza Merovci, Senior Officer for Post-Accreditation Procedures

Sources of information for the Report:

- *Self-Improvement Report (SIR)*
- *Report of Expert Team for the previous accreditation/re-accreditation process*
- *Relevant institutional documentation and annexes, requested as additional documents:*
    1. *20241448-Vendim-FIEK.pdf*
    2. *Feedback from students.pdf*
    3. *FR-UP-Electronics-Automation-and-Robotics-MSc.pdf*
- *Site visit/online interviews*

    Note: the process is based on the KAA METHODOLOGY on Monitoring and Post-accreditation Procedures

Post-Accreditation Procedure has been carried out:
a) in distance
b) on-site visit

Date of on-site visit (if applicable): 30/05/2025

Agenda and representatives met as part of the post-accreditation process:

Post - Accreditation Procedure at University of Prishtina, Faculty of Electrical and Computer Engineering

Programmes:	Electronics, Automation and Robotics (MSc)

2

Republika e Kosovës
Republika Kosova - Republic of Kosovo

Agjencia e Kosovës për Akreditim
Agencija Kosova za Akreditaciju
Kosovo Accreditation Agency

Site visit on	**30/05/2025**
Expert Team:	Mr. Flavio Canavero
	Mrs. Laura Palac
Coordinators of the KAA:	Milot Hasangjekaj, Head of Post-Accreditation Division
	Elza Merovci, Senior Officer for Post-Accreditation Procedures

Site Visit Programme

Time	Meeting	Participants
09:10 – 9:40	Meeting at the KAA office	KAA staff and expert
10:00 – 11:15	Meeting with the management where the programs are integrated	
11:15– 12:15	Lunch break	
12:20 – 12:50	Visiting Facilities	
12:55 – 13:55	Meeting with responsible people to discuss and identify improvement	
14:00 – 14:05	Internal meeting of KAA staff and experts	
14:05 – 14:10	Closing meeting with the management of the faculty and program	

Section 1: General Information

1. **Accreditation Period:**
   - Start Date: 15/09/2024
   - End Date: 15/09/2027

2. **Recommendations Overview:**
   - Total Recommendations: 42
   - Recommendations Fulfilled: 24
   - Recommendations Pending: 18

Section 2: Summary of Findings

Overall Fulfillment of Recommendations:
(Provide a general summary on the extent in implementation of recommendations from the accreditation process).

Introduction
(Provide 1-2 paragraphs about the process of post-accreditation).

The Expert Team gained insight into how the HEI addressed each recommendation by reviewing the standards one by one during the interviews with the management of the Faculty and staff responsible for the implementation of recommendations.

In addition to these discussions, The Team also considered the Self-Improvement Report and other additional documents mentioned in this report (see Sources of Information for the Report).

All the participants were cooperative and showed a strong commitment to the ongoing improvement of institutional practices the implementation of the recommendations.

Description of Actions and Evidence
(Provide a general summary on the extent in implementation of recommendations from the accreditation process).

1. **Mission, Objectives and Administration**
   Status received: Fully compliant
   Number of recommendations: 1

Recommendation 1: fulfilled

The Faculty cooperates with 15 members of the Industrial Board. During the meeting with the management of the FECE, it was confirmed that the Board meets twice a year or more if necessary. Also, FECE actively participated in various events and workshops and signed new agreements that build and strengthen international cooperation with other institutions, as well as the local private sector. Moreover, in the Self-Improvement Report, the management mentioned five strategic guidelines for the improvement of the program.

2. **Quality Management**

   Status received: Substantially compliant

   Number of recommendations: 6

   Recommendation 1: partially fulfilled

   The FECE is currently working on the completion of the KPIs and linking them to the current Strategic Plan. They also plan to do this with the Strategic Plan that will be developed in the future. Additionally, they plan to analyse the implementation of the Strategic plan twice a year.

   Recommendation 2: partially fulfilled

   The FECE has requested the necessary changes to the SEMS platform from the University to enable the collection of feedback from students and staff at the faculty level. The Faculty plans to conduct and produce summary reports twice a year.

   Recommendation 3: partially fulfilled

   The plan is to analyse the summary reports and act accordingly, also discuss the results with everybody involved. Since this is the new program, not all the necessary data is available to fully implement this recommendation. However, during the interviews, all the participants expressed commitment to fully implement this recommendation in the future.

   Recommendation 4: partially fulfilled

   The FECE receives feedback from employers through The Office for Career Development at the University level (surveys at the end of academic year) and the Industrial Board (meetings at least twice a year). However, it remains unclear if the Faculty has established a practice that enables the immediate and up-to-date feedback from employers.

   Recommendation 5: partially fulfilled

5

The FECE collects data on student progression and drop-out rates through the SEMS platform. The data will be available at the end of the academic year and they will act accordingly. Moreover, the Faculty plans to conduct surveys in case of student drop-out to identify the reasoning behind the decision.

Recommendation 6: fulfilled
Email address, accessible only to the Dean, is available to students for submitting their feedback. Also, starting in the 2025/2026 academic year, feedback from the previous year's surveys will be discussed with new generation of students at the beginning of semester.

3. **Academic Staff**
Status received:
Number of recommendations: 7
Recommendation 1: fulfilled
The full-time research assistants engaged in the Electronics, Automation, and Robotics program are all pursuing PhD studies. According to the Statute of University of Prishtina, full-time teaching assistants need to be enrolled in their PhD studies in case they apply for re-appointment. The strategy of FECE is, to enrol in PhD studies the teaching assistants with the potential of being hired as full-time staff in the near future.

Recommendation 2: fulfilled
Usually, every junior academic staff is obliged to undergo training on teaching and research by the Center of Teaching and Excellence Academic Development. Further professional development is supported through periodic seminars and through international mobility, as well.

Recommendation 3: fulfilled
The workload of academic staff is regulated with a special regulation at University level. University leaders are exploring how workload assignments can appropriately be further adjusted.

Recommendation 4: partially fulfilled
The University encourages and implements the cooperation among students of different academic levels (Ph.D., MSc, and undergraduate) to take part in research groups, international projects, competitions and laboratory work.

Recommendation 5: fulfilled
The assessment methods of academic staff are determined at the university level (according to the UP statute and additional current regulations). Special attention is dedicated to the relevance of the published work within the corresponding field where the staff is teaching.

Recommendation 6: fulfilled
FECE regularly monitors the implementation of the syllabus for every course. Furthermore, every beginning of the semester, there is a meeting between the officer of academic development and the responsible staff for the courses, where special instructions are given on how to continuously improve the methods, literature and implementation plan.

Recommendation 7: fulfilled
The importance of promoting outstanding performance in both teaching and research is recognised, and every year the University morally awards staff in both areas.

4. **Educational Process Content**
   Status received:
   Number of recommendations: 11

Recommendation 1: fulfilled
The Faculty has fully implemented this recommendation by designating the courses *Industrial IoT*, *Embedded Systems*, and *Cloud Computing* as mandatory. The *Cyber Security* course is mandatory at the Bachelor level, while at the Master level it is offered as an elective.

Recommendation 2: fulfilled
Courses *Cyber Physical Systems* and *Advanced Topics in Machine Learning* are now introduced as elective. The topic of 5G technologies is now a part of the *Industrial IoT* course.

Recommendation 3: fulfilled
Each course syllabus now contains the corresponding prerequisites.

Recommendation 4: fulfilled
Attendance of the student is usually monitored electronically by the SEMS;

We have updated all the syllabuses with the corresponding prerequisites (as mentioned on comment to recommendation 3);
The limit of courses to be carried out from the previous year to the next year was three, but -due to the pandemics- this limit was updated to four. Thee intent of the program Council is to set as previously to three. This instance will be carried out to the central University level;
One of the strategies of the department is that every professor and/or teaching assistant should provide extra sessions, if such requests come from the students. In addition to that, every teaching staff regularly offers consulting at least two times per week.

Recommendation 5: partially fulfilled
The maximum number of attempts yearly on each course is regulated in the Statute (Article 115).

Recommendation 6: partially fulfilled
Currently, the maximum number of courses that can be carried out to the next year has been increased to four due to pandemic. The Faculty will initiate the process to revise it at the Academic Council and University.

Recommendation 7: fulfilled
In addition to providing appropriate infrastructure, the Faculty supports students with disabilities through various other measures. During the meeting with the staff responsible for implementing the recommendations, it was confirmed that students with disabilities can take exam in a way adapted to their needs.

Recommendation 8: fulfilled
During the interviews it was mentioned that teachers and teaching assistants provide extra sessions for students if necessary.

Recommendation 9: fulfilled
Speakers are regularly invited to hold talks and lectures in various topics of interest. Also, as part of the project PhDICTKES, the Doctoral School of FECE regularly organizes seminars in various topics with invited speakers from all around the world.

Recommendation 10: fulfilled

Since 2024, the FECE has provided students with opportunities to participate in many workshops and competitions, e.g. *Google DevFest Kosova* and *International Cybersecurity Defense Challenge 2025*.

Recommendation 11: fulfilled
Currently, the majority of students enrolled in the MSc level are employed in industry. Therefore, their Master Thesis are largely related to the industry they work in. Also, students are encouraged to publish part of their Master Thesis in international conferences or journals.

5. **Students**
   Status received:
   Number of recommendations: 7

   Recommendation 1: fulfilled
   The Faculty did not clearly specify which graduate profiles are eligible to be enrolled in this Master program in the last SER. Following profiles are considered for admission in this study program: electrical engineering, electronic engineering, computer, industrial and mechanical engineering.

   Recommendation 2: fulfilled
   The English language proficiency test represents 10% of the total number of points within the admission process.

   Recommendation 3: partially fulfilled
   The Appeal period is regulated on the University level and the FECE has issued the request for this period to be prolonged to 5 working days.

   Recommendation 4: fulfilled
   The FECE collects data on student progression and drop-out rates through the SEMS platform. The data will be available at the end of the academic year and they will act accordingly. Moreover, the Faculty plans to conduct surveys in case of student drop-out to identify the reasoning behind the decision.

   Recommendation 5: partially fulfilled
   The Faculty is currently in the process of acquiring new plagiarism detection software. Also, during the interviews, it was confirmed that academic staff attends seminars and trainings regarding plagiarism related topics. Moreover, the FECE

9

established the Commission for Ethics dedicated with the responsibility of overseeing plagiarism checks.

Recommendation 6: fulfilled
The process for taking in consideration the cases of coursework deadlines and examination participants has been set up and includes a decision taken by the professor, the head of department and the vice dean for teaching and students affairs.

Recommendation 7: partially fulfilled
During the interviews it was mentioned that students are encouraged to submit reports in English. Also, in their reports, students must include title, abstract, keywords and conclusion in English.

6. **Research**
   Status received:
   Number of recommendations: 3

Recommendation 1: partially fulfilled
With the recent regulation of the University for career advancement and re-appointments, every academic staff member is required to have a certain number of publications to be eligible for advancement/reappointment.

Recommendation 2: partially fulfilled
Since the responsibility for finding the resources falls within the University level, the Dean has already raised the issue of IEEE subscriptions within the Dean's Collegium at the UP Rectorate.

Recommendation 3: partially fulfilled
The University staff already carry out research in the fields corresponding to the UN SDG goals, such as green energy, clean energy, quality education, smart cities, biomedicine, economic growth, etc.

7. **Infrastructure and Resources**
   Status received:
   Number of recommendations: 7

Recommendation 1: fulfilled

The FECE already has Cloud Computing infrastructure that is currently used by the Computer and Software Engineering study program (Bsc and MSc level), and can also be used by the MSc students of the Electronic, Automation and Robotics study program in the future.

Recommendation 2: fulfilled

The building has an entrance for students with special needs as well as four elevators for access to all floors. Also, the laboratory facility has a separate entrance from the rear part of the facility and 2-elevators for access to the floors. In addition, students with special needs are also helped by the security staff of the facilities.

Recommendation 3: fulfilled

In the budgetary plan for the academic year 2024-2025, the budget allocated for consumables and research activity support is increased for 12% compared to the previous year. Moreover, in the strategic plan, implemented for years 2023-2025, the University has foreseen an increasing budget for consumables and support in research activities.

Recommendation 4: partially fulfilled

Currently, IT services at FECE are delivered via an optical fiber infrastructure boasting a 100 Mb/s capacity. The local network within FIEK and laboratories is established using UTP category 5 cables, offering speeds of up to 100 Mb/s. The FECE facility operates two wireless networks: one affiliated with UP and the other with the Kosovo Research Center (KREN KOSOVA), which encompasses EDUROAM. The budget for the fiscal year 2024/2025 plans for the replacement of all VPN connections with dark fiber optic networks at FECE and all other faculties of UP, as well as administrative units. The value of this project for 2024 is 200,000.00 euros, including the centralization of the e-library.

Recommendation 5: fulfilled

The FECE building and laboratories have separate entrances, as well as the elevators for students with mobility impairments to have access to lecture theatres and laboratories.

Recommendation 6: fulfilled

The faculty management is currently activating the faculty institute, including a new establishment of separate research groups.

11

Recommendation 7: partially fulfilled
The university has subscriptions to Elsevier Journal Library and Perlego Digital Online Library. The access to IEEE Explore resources is considered very important; hence, the faculty management will make a purchase request at the university to subscribe to IEEE Xplore scientific journals.

- **Strengths Identified:**
  List key strengths that emerged from the post-accreditation evaluation.

  ✓ *Commitment and willingness to continuously improve the quality of the study program*
  ✓ *Openness and respect during interviews*

- **Areas for Further Improvement:**
  Highlight areas that still need attention or improvement.

  ✓

Section 3: Final Evaluation

- **Final Fulfillment of Recommendations**
  (Provide final evaluation statement for State Quality Council)
  (The supposed recommendation has been fulfilled/partially fulfilled/not fulfilled)

Taking into consideration the content of the SIR and its annexes and documentation made available, along with the information gained through the undertaken interviews, the Expert Team finds the Study Programme evaluated to have met the KAA post-accreditation requirements with the following level of compliance:

Standard	Recommendation Status
1. Mission, objectives and administration	1 recommendation with action taken out of the 1 recommendation (recommendation fulfilled)
2. Quality management	6 recommendations with action taken out of the 6 recommendations (1

12

	fulfilled and 5 recommendations partially fulfilled)
3. Academic staff	7 recommendations with action taken out of the 7 recommendations (6 recommendations fulfilled and 1 partially fulfilled)
4. Educational process content	11 recommendations with action taken out of the 11 recommendations (9 fulfilled and 2 partially fulfilled)
5. Students	7 recommendations with action taken out of the 7 recommendations (4 fulfilled and 3 partially fulfilled)
6. Research	3 recommendations with action taken out of the 3 recommendations (all 3 recommendations partially fulfilled)
7. Infrastructure and resources	7 recommendations with action taken out of the 7 recommendations (5 recommendations fulfilled and 2 partially fulfilled)

In conclusion, the Expert Team considers that the MSc in Electronics, Automation and Robotics study programme offered by University of Pristina **has taken actions** to implement all 42 recommendations, as follows:
16 recommendations (i.e., 38 %) partially fulfilled
26 recommendations (i.e., 62 %) fulfilled.

Section 4: Annexes

1. *Annex 1. Synthetic approach of the recommendation implementation process*

13

Annex 1

Synthetic approach of the recommendation implementation process

Number	Recommendation	Evaluation (Fulfilled / Partially Fulfilled / Not Fulfilled)	Recommended deadline to fulfill
1. Mission, Objectives and Administration			
1.	Strengthening collaboration between industry and FECE through Industrial Advisor Board to improve the study programme and contribute to the further development of society through the use of modern technological advancements	*Fulfilled*	
2. Quality Management			
1.	To perform analysis on the implementation of the FECE Strategic Plan and monitor the indicators related to all strategic aims	*Partially fulfilled*	12 September 2025
2.	To produce summary reports on the feedback from academic staff, administrative staff, students, employers and graduates not only on the University level but also on the FECE level specifically	*Partially fulfilled*	12 September 2025
3.	To ensure that the suggestions included in the summary reports result in certain actions for improvement and that their implementation is monitored	*Partially fulfilled*	12 September 2025
4.	To complement the recently introduced practice of surveying employers and graduates with certain actions at the FECE level, either by directly receiving the data collected on the central level or by introducing complementary activity on the FECE level, to get immediate and up-to-date feedback	*Partially fulfilled*	September 2026
5.	To take a close attention to student progression and drop-out rates in all FECE programmes, in particular on the bachelor level, in order to investigate the reasoning and prevent drop-out	*Partially fulfilled*	1 October 2025
6.	Explore additional tools for obtaining quality and meaningful feedback from the students	*Fulfilled*	
3. Academic Staff			
1.	The ET recommends that all full-time research assistants are enrolled in the PhD programme	*Fulfilled*	

14

2.	*The ET recommends that the Faculty must provide mentoring support to junior academic staff for both teaching and research*	***Fulfilled***	
3.	*The ET recommends that the workload is adjusted to academic staff that are research active using criteria such as Number of PhD students, number of research papers published and number of research projects engaged as Principal Investigators*	***Fulfilled***	
4.	*The ET recommends that the academics should adopt a capstone model establishing a research collaboration among the PhD, MSc and UG students*	***Partially fulfilled***	*October 2025*
5.	*The University must consider metrics (e.g. citations, FWCI) to assess the research performance of the academic staff*	***Fulfilled***	
6.	*The ET recommends that a monitoring plan must be established by the Dean and academic coordinator towards continuous improvement in courses and to the academic staff engaged on them. A responsible academic staff for each course must be responsible for the implementation of the improvements*	***Fulfilled***	
7.	*The ET recommends that an incentive mechanism must be established to award academic staff yearly that has been excelled in teaching and research*	***Fulfilled***	
4. Educational Process Content			
1.	The ET recommends that the Program must include Cyber Security, Industrial IoT, Embedded Systems and Cloud Computing courses as compulsory	***Fulfilled***	
2.	*The ET recommends that the Program must include elective courses in the areas of Cyber Physical Systems, Advanced Topics in Machine Learning (Deep Learning, Federated Learning and Transfer Learning) and 5G technologies*	***Fulfilled***	
3.	*The ET recommends that prerequisites are required on each course description*	***Fulfilled***	
4.	*The ET recommends the following changes in each course:* *It is not very clear how attendance is monitored on each course.* *There are no clear pre-requisites in each course.* *It is not clear the process that would follow in a case that a student fails in a number of modules within a year. These modules will be carried over next year. The workload must be realistic. A N+3 rule must be*	***Fulfilled***	

	applied to each semester. It is not clear whether extra support sessions are provided to students that have failed in a course.		
5.	*The ET recommends that the Program must clarify the maximum number of attempts yearly on each course*	***Partially fulfilled*** (decision at the University level)	
6.	*The ET recommends that there is a cap on the maximum number of courses that can be carried out from the previous year to the next year (No more than 3 courses per semester must be carried over in the next academic year*	***Partially fulfilled*** (decision at the University level)	
7.	*The ET recommends that specific arrangements must be done for students with disabilities*	***Fulfilled***	
8.	*The ET recommends that extra support sessions must be provided to students before the resit attempt*	***Fulfilled***	
9.	*The ET recommends that Guest Lectures must be invited from abroad to give on-line lecture to the students*	***Fulfilled***	
10.	*The ET recommends that extracurricular activities (e.g. hackathon, IEEE student branch, etc) are established to provide extra support to students*	***Fulfilled***	
11.	*The ET recommends that the MSc thesis can be done in collaboration with the Industries. It is recommended that the MSc students must submit their project work in international conferences and journals*	***Fulfilled***	
5. Students			
1.	*The ET recommends that the admission policy regarding graduate profiles that can be admitted in the programme, must be revised. The Faculty must consider graduates in the following disciplines: electrical engineering, electronic engineering, computer, industrial and mechanical engineering*	***Fulfilled***	
2.	*The ET recommends that candidates must be examined in the English language (Minimum level: B2)*	***Fulfilled***	
3.	*The ET recommends that the Appeal period must be extended to 5 working days)*	***Partially fulfilled*** (decision at the University level)	
4.	*The ET recommends that policies must be applied to manage drop-rates*	***Fulfilled***	
5.	*The ET recommends that academic staff must be trained to check plagiarism on reports and apply penalties to poor academic practice both in English and Albanian*	***Partially fulfilled***	*October 2025*

6.	*The ET must adopt a process with respect to Extenuating Circumstances to coursework deadlines and examination participations*	***Fulfilled***	
7.	*The ET recommends that the students must submit reports in English language*	***Partially fulfilled***	*December 2025*
6.	**Research**		
1.	*The ET recommends that the Faculty must adopt a strategy so that all academic staff and researchers meet criteria required by KAA regarding research outcome*	***Partially fulfilled***	*December 2026*
2.	*The ET recommends that the Faculty must subscribe to access IEEE scientific publications*	***Partially fulfilled***	*December 2026*
3.	*The ET recommends that the research strategy of the Faculty is aligned with UN SDG goals*	***Partially fulfilled***	*December 2025*
7.	**Infrastructure and Resources**		
1.	*The ET recommends that Cloud Computing infrastructure/services are provided to the MSc students*	***Fulfilled***	
2.	*The ET recommends that the Program should ensure adaptation of the infrastructure so that students with special needs can have access across the facilities*	***Fulfilled***	
3.	*The ET recommends that the budget in the next three years for consumables and support in research activities is rather low and must be further increased by 10%)*	***Fulfilled***	
4.	*The ET recommends that both IT and library services are provided centrally*	***Partially fulfilled***	*December 2026*
5.	*The ET must provide facilities so that students with mobility impairments have access to lecture theatres and laboratories*	***Fulfilled***	
6.	*The ET recommends that appropriate research groups must be established for the Research Centre to maintain the research activities*	***Fulfilled***	
7.	*The ET recommends that the Faculty must purchase a subscription to access IEEExplore scientific journals*	***Partially fulfilled***	*December 2026*

Expert/s Member

Flavio Canavero   27 June 2025

Laura Palac   27 June 2025