

**Quality Assurance Policy**  
**for the Interdepartmental Postgraduate Program in**  
**'Automation Systems'**  
**within the School of Mechanical Engineering at the**  
**National Technical University of Athens**

The herein document has been sanctioned by the General Assembly of the School of Mechanical Engineering (Meeting Date: 13/12/2023).

The execution of the quality policy of the Interdepartmental Postgraduate Program in Automation Systems (AS) is intricately tied to the strategic vision of the School of Mechanical Engineering and the National Technical University of Athens (NTUA). Moreover, IPPS in Automation Systems is steadfast in its commitment to implementing a quality policy that not only aligns with the academic identity and direction of the program but also advocates for its purpose and objectives, advances its strategic goals, and delineates the means and methods for their realization. The program will implement judicious quality assurance procedures, with the ultimate aim of continuous enhancement. Its primary focus lies in pursuing specific objectives related to ensuring the quality of the IPPS in AS.

The Quality Policy of the Interdepartmental Postgraduate Program in Automation Systems at the School of Mechanical Engineering of the National Technical University of Athens (NTUA), ensures, through the Quality Assurance Unit (MO.DI.P.), the establishment of a strategic direction focused on enhancing quality within the institution. This aims to engage all internal stakeholders of IPPS in AS, including Administrative Bodies, Faculty Members, Instructors and Researchers, Staff, Students, and other relevant parties, in the continual development and implementation of this policy. The Quality Policy of IPPS in AS at School of Mechanical Engineering of NTUA, aimed at Quality Assurance, is executed through Quality Assurance Unit (MO.DI.P.) of NTUA, with the goal of organizing, coordinating, and implementing Assessment and Quality Assurance processes in complete compliance and harmony with the requirements of the current institutional legal framework. The educational and administrative personnel of IPPS in AS are informed about the assessment procedures defined by existing legislation and actively participate in their execution. The Internal Evaluation Team of School of Mechanical Engineering processes the data inputs and compiles its Evaluation Reports.

The quality policy of the Interdepartmental Postgraduate Program in Automation Systems (IPPS AS) at the School of Mechanical Engineering (SoME), National Technical University of Athens (NTUA), is in harmony with its vision and mission as detailed in the introductory report of the School of Mechanical Engineering of NTUA Strategic Development Committee (<http://www.mech.ntua.gr/files/strategy/proposal.pdf>). More specifically, the vision of IPPS in AS is to establish a globally recognized program that influences advancements in the Automation Systems field, addressing societal needs sustainably on both national and international levels through scientific excellence, offering high-level research, and delivering quality education. The mission of IPPS AS at SoME NTUA is delineated along five (5) key axes:

1. **Axis 1:** Achieving excellence in scientific and interdisciplinary research and teaching facilitated by a high-caliber faculty.

2. **Axis 2:** Actively fostering innovation in the scientific domain of Automation Systems through collaborative efforts within participating School Laboratories.
3. **Axis 3:** Producing graduates of exceptional quality who can contribute to the sustainable development of industries, businesses, and organizations.
4. **Axis 4:** Leveraging impactful collaborations on an international scale with educational and research institutions.
5. **Axis 5:** Ensuring a close integration of IPPS in AS with industry and enterprises in its specific field.

As a result of the guidelines set by the aforementioned axes, the primary strategic objectives of the Interdepartmental Postgraduate Program in Automation Systems (IPPS AS) arise. These objectives are categorized into four principal strategic axes: **Strategic Axis A:** Education, **Strategic Axis B:** Research, **Strategic Axis C:** Internationalization and Social Contribution, and **Strategic Axis D:** Organization and Administration. To ensure and continually improve quality across these axes and attain their respective goals, IPPS in AS adheres to the criteria stipulated by the prevailing legislation.

The Quality Assurance and Improvement Policy is specifically tailored to the action areas of IPPA, encompassing the following key objectives:

1. Ongoing reform and enhancement of IPPS AS.
2. Reduction of the dropout or delay rate among students.
3. Improvement of the performance of students participating in IPPS AS.
4. Modernization of IPPS in AS through the implementation of new and contemporary teaching methodologies, encouraging heightened student engagement.
5. Execution of more impactful research initiatives at local, regional, and international levels.
6. Continuous improvement of working conditions for academic and administrative personnel of IPPS AS.
7. Establishment of educational and research collaborations.
8. Strengthening of international relations and inter-institutional cooperation programs that promote student and staff mobility.
9. Further development of IPPS AS' external orientation.
10. Enhancement of research and administrative infrastructure.
11. Resolution of issues related to administrative tasks.
12. Organization and implementation of promotional and communication activities to amplify IPPS AS' external visibility and connection with society.
13. Utilization of the IPPS AS alumni network in support of academic and social objectives.

In particular, with regard to the execution of this policy, the School solemnly commits to implementing quality procedures that substantiate the following:

- The suitability of the curriculum's structure and organization.
- The pursuit of learning outcomes and qualifications in alignment with both the European and National Qualifications Framework for Higher Education.
- The advancement of quality and efficacy in the teaching profession.

- The appropriateness of the qualifications held by the teaching faculty.
- The promotion of quality and quantity in the research endeavors undertaken by the academic unit.
- The establishment of effective linkages between teaching and research methodologies.
- The assessment of the market demand for the qualifications attained by graduates.
- The enhancement of quality across supportive services, encompassing administrative functions, libraries, and student welfare services.
- The conduct of an annual review and internal audit of the quality assurance system governing the Interdepartmental Postgraduate Program in Automation Systems (IPPS AS). This process is conducted in collaboration with the Quality Assurance Office of the National Technical University of Athens (NTUA).

The aforementioned Quality Policy unwaveringly adheres to the stipulations outlined in the existing legal and regulatory framework. Nevertheless, its design, formulation, and execution undergo continuous scrutiny and revision, subject to decisions made by Quality Assurance Unit (MO.DI.P.) and the Senate of the NTUA whenever such amendments are deemed necessary."