



ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΕΙΡΑΙΩΣ
UNIVERSITY OF PIRAEUS

DEPARTMENT OF DIGITAL SYSTEMS



DEMOKRITOS

INSTITUTE OF INFORMATICS AND TELECOMMUNICATIONS



QUALITY POLICY

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QUALITY POLICY OF THE MASTER'S PROGRAM IN "ARTIFICIAL INTELLIGENCE"

The Inter-institutional Master's Program "Artificial Intelligence" (MSc in AI) since its establishment, and through its quality policy, following the quality policy of the University of Piraeus, the Department of Digital Systems, as well as the quality practices of the Institute of Informatics and Telecommunications of the National Centre for Scientific Research (NCSR) "Demokritos", expresses its commitment to quality and the processes that ensure it, as the main means of achieving a high level of academic and research work for the benefit of its entire academic community. The academic community of the MSc in AI (faculty, students, alumni, and collaborating bodies) works and collaborates according to the values and objectives of the collaborating institutes that implement the MSc in AI (Department of Digital Systems, University of Piraeus, and Institute of Informatics and Telecommunications, NCSR "Demokritos"), and adheres to their Vision, Mission, and Strategy. Institutes adopt common policies, recognize good practices, and participate in continuous improvement processes.

Based on its quality policy, the MSc in AI aims to ensure the quality of the curriculum it offers, responding to Greek, European, and international challenges and requirements for quality in higher education.

Specifically, the quality objectives set by the MSc in AI are as follows:

- The MSc in AI aims to offer a **high-quality and cohesively structured curriculum** that supports the provision of specialized knowledge, skills, capabilities, and qualifications in the field of Artificial Intelligence, reflecting international academic and research developments in this area, in line with the European and National Framework of Qualifications for Higher Education at level 7.
- The MSc in AI seeks, through its educational activities, the **development of knowledge as well as the development of skills by its students**, with the aim of promoting science, supporting public and private organizations developing Artificial Intelligence solutions, **for the benefit of humanity, society, and the Greek and European economy**.
- The MSc in AI **promotes the upgrading of the quality and effectiveness of its educational work in various ways**, primarily through the continuous updating of the curriculum content, teaching and learning processes, supportive services, and infrastructures for implementing the curriculum, addressing threats and weaknesses at any level/phase of the educational process.
- The MSc in AI aims for the **continuous and substantial strengthening of its academic community members** so that it possesses rich learning, teaching, research, and work experience, by providing opportunities for cooperation with educational, research institutions, and productive bodies both domestically and internationally.
- The MSc in AI encourages and supports the **continuous improvement of the quality of its educational and research work, and the effectiveness of its teaching and research staff**, fostering and spreading the necessary culture within the MSc in AI and to all its academic community members.

- The MSc in AI seeks to **link teaching with research and industry**. It encourages the participation of students in activities undertaken by the research laboratories of the bodies implementing the MSc, as well as their participation in the activities of organizations directly related to the objectives of the MSc in AI and concerning the development and utilization of Artificial Intelligence methods, in order to gain research and development experience, enrich and deepen their knowledge, and develop the necessary skills, under the supervision of faculty members and researchers.
- The MSc in AI systematically **aims for the knowledge and skills offered to its graduates to be compatible with the requirements of the labor market**, facilitating their immediate absorption into private and public organizations both in Greece and abroad.
- The MSc in AI collaborates seamlessly with the University of Piraeus and NCSR "Demokritos" to utilize the resources of the collaborating bodies implementing the MSc, to **develop the breadth and quality of the supporting services** offered to its academic community, to achieve its objectives.
- The MSc in AI **aims for the continuous evaluation of its work in all its dimensions, by all interested parties**. The Curriculum Committee of the MSc in AI supervises, inspects, and improves the quality policy and the quality assurance system of the MSc in AI while regularly conducting the necessary recording of evaluation indicators of the MSc in AI, in collaboration with all its academic community members, the Quality Assurance Committee of the Department of Digital Systems, and the Internal Quality Assurance Unit (MODIP) of the University of Piraeus.

Ensuring the quality policy requires the establishment, recording, and annual monitoring of quantitative indicators, which are related to the degree of achievement of specific quality sub-goals embedded in the broader strategic goals of the Department of Digital Systems. These indicators include indicators based on data recorded in the Integrated Information National Quality System (OPESP), as well as new indicators.

ORGANIZATION OF THE QUALITY ASSURANCE SYSTEM AND DEVELOPMENT OF QUALITY ACTIONS

Quality assurance processes are implemented and monitored by the Curriculum Committee of the MSc in AI, and also, for the Department of Digital Systems, by its Quality Assurance Committee (OMEA). The implementation of these is also monitored and controlled by the Internal Quality Assurance Unit (MODIP) of the University of Piraeus.

The Curriculum Committee of the MSc in AI is responsible, among other things, for:

- Taking actions and corrective measures to achieve the quality policy objectives of the MSc in AI and, generally, for the qualitative improvement of its functioning.
- Periodic review of the quality policy and its revision, when necessary.
- Periodic review, inspection, and revision, if necessary, of the quality assurance system.
- Ensuring the required resources for the implementation of the quality policy.

Finally, each member of the academic community of the MSc in AI, to the extent and in the manner possible, has the obligation to contribute to the implementation of the quality policy and the achievement of its objectives.

ACTIONS

Specific actions related to the MSc in AI are as follows:

- **Continuous monitoring and improvement of the quality and coherence of the curriculum** to ensure it meets international standards of education and international practices for education in Artificial Intelligence, the developments in the field, the needs of society, and both the domestic and international labor market, as well as the needs and goals of the MSc in AI curriculum, benefiting both students and the entire academic community, with a focus on scientific ethics. The curriculum is updated with minor (annually) or major changes (at reasonable intervals, when necessary), ensuring that changes do not cause problems for students following the MSc curriculum.
- **Continuous improvement of the quality of learning and teaching** with actions that concern:
 - Monitoring the implementation of the curriculum based on clearly defined learning outcomes, skills, and qualifications according to international standards and the European and National Framework of Qualifications for Higher Education, as well as the needs of Greek and European society, aiming to provide graduates with knowledge and skills aligned with labor market needs and requirements.
 - Enhancing student participation in academic, research, and developmental activities (e.g., lectures, workshops, internships, collaborations/actions with productive bodies, participation in national and international competitions).
 - The qualitative and quantitative provision of services, infrastructure, and human resources.
 - Continuous evaluation of educational work.
- **Encouragement and support of research, academic, and developmental activities supported by MSc in AI faculty members**, in collaboration with research institutes and other organizations from Greece and abroad.
- **Production, dissemination, and application of knowledge regarding Artificial Intelligence**, enabling the transfer of knowledge and information from mature research areas where MSc in AI faculty are active.
- **Organization of lectures, workshops, and events to enrich and highlight the work of the MSc in AI**, and to receive feedback on the effectiveness of the curriculum.
- **Continuous expansion of the MSc in AI's collaborations with academic/research institutions in Greece and abroad through institutional and non-institutional activities** (e.g., organization of workshops, conferences, and summer schools, co-supervision of theses, etc.).
- **Upgrading supportive infrastructures and services** to achieve a well-equipped technical environment for the efficient operation of the MSc in AI, in cooperation with the bodies implementing it.



ΤΜΗΜΑ ΨΗΦΙΑΚΩΝ
ΣΥΣΤΗΜΑΤΩΝ



ΙΝΣΤΙΤΟΥΤΟ ΠΛΗΡΟΦΟΡΙΚΗΣ
ΚΑΙ ΤΗΛΕΠΙΚΟΙΝΩΝΙΩΝ

- **Improving the visibility and recognition of the MSc in AI**, in order to highlight its work and attract:
 - (a) highly qualified teaching and research staff,
 - (b) excellent students,
 - (c) collaborations with high-quality entities.