MSc IN
DIGITAL
HEALTH

UNIVERSITY OF IOANNINA
FOUNDATION FOR RESEARCH
& TECHNOLOGY – HELLAS

University of Ioannina

FORTH
FOUNDATION FOR RESEARCH
AND TECHNOLOGY - HELLAS

HEALTH INSURANNCE

MEDICAL CARE

Transform the Future of Healthcare with Digital Innovation

Your Gateway to a Cutting-Edge Career in Digital Health

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MSc IN DIGITAL HEALTH

▸ Comprehensive program covering essential aspects of
  Digital Health under the aegis of a collaborative
  European Program DS4Health

▸ Structured curriculum with a focus on multidisciplinary
  knowledge and practical skills

▸ Scholarships available

▸ Strong career prospects and industry connections

Medical Technology and Intelligent Information Systems (MedLab)

MED LAB
MEDICAL TECHNOLOGY & INTELLIGENT INFORMATION SYSTEMS

Department of Materials Science and Engineering of the University of Ioannina

Faculty of Medicine of the School of Health Sciences of the University of Ioannina

Faculty of **Medicine**

FORTH

Foundation of Research and Technology- Hellas (FORTH)

▸ **Program Aim:**
Equip healthcare professionals and industry experts with the digital skills and knowledge to drive innovation and transformation in the health sector.

▸ **Key Tracks:**

Track 1 || Health Data Experts: Focus on medical data science, AI, and predictive analytics.

Track 2 || Digital Health Transformation Leaders: Master digital health economics, health systems management, and eHealth systems implementation.

▸ Interdisciplinary curriculum bridging **healthcare, IT, and data science**.

▸ Modules include **Digital Health Economics**, **AI in Health**, **Digital Systems**, and **Medical Data Science**.

▸ Hands-on training through real-world case studies and projects.

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▸ **Structure:**
Two main tracks

▸ **Duration:**
4 semesters

▸ **Type:**
Full-time

▸ **MSc program language:**
English

▸ **Courses:**
Online

Course Structure

Track 1: Data Experts in Health

	1st Semester	2nd Semester	3rd Semester	4th Semester
	6 CP — Introduction to Health Systems Management	6 CP — Computational Biology and Bioinformatics	4x 5 CP — Epidemiology Methods	30 CP — Master Thesis
	6 CP — Introduction to Digital Systems and Programming	6 CP — Statistical Inference	Multiscale Modeling	
	6 CP — Basic Medical Data Science	6 CP — Medical Data Quality	Precision Medicine	
	6 CP — Ethics and Regulatory Issues	6 CP — Health Information Modeling	Entrepreneurship in Health	
	6 CP — Clinical Informatics and Analytics	6 CP — Artificial Intelligence	Intership (elective)	
			10 CP — Mini Project	

Track 2: Digital Health Transformation

	1st Semester	2nd Semester	3rd Semester	4th Semester
	6 CP — Introduction to Health Systems Management	6 CP — Computational Biology and Bioinformatics	4x 5 CP — User Centic Design & Elements of Software Engineering	30 CP — Master Thesis
	6 CP — Introduction to Digital Systems and Programming	6 CP — Statistical Inference	Digital Health Transformation / Management	
	6 CP — Basic Medical Data Science	6 CP — Medical Data Quality	Medical Devices	
	6 CP — Ethics and Regulatory Issues	6 CP — Health Information Modeling	Digital Health Economics	
	6 CP — Clinical Informatics and Analytics	6 CP — Artificial Intelligence	Entrepreneurship in Health	
			Intership (elective)	
			10 CP — Mini Project	

■ Introduction Compulsory Modules ■ Pre-track Compulsory courses ■ Track Compulsory courses (choose 4) ■ Project Work

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Eligibility and Application Process

- ▸ **Eligibility:** Graduates from engineering schools, exact sciences, health sciences, economic sciences

- ▸ **Required Documents:** Transcripts, letters of recommendation, statement of purpose

- ▸ **Degree:** Bachelor's degree or legal equivalent in the master's scientific area

- ▸ **Language**: English language proficiency (level B2)

- ▸ **Other:** A personal statement/cover letter and a CV/résumé.

- ▸ **Application process:** Online

Shape the Future of Healthcare with Digital Innovation! The Master's in Digital Health is your gateway to mastering the technologies that will transform patient care, research, and health systems worldwide. Don't miss this opportunity to become a leader in the rapidly evolving field of digital health. Apply now to join a program that equips you with cutting-edge skills, global expertise, and unparalleled industry connections. Your journey toward revolutionizing healthcare starts here!

Visit **https://ds4health.uoi.gr/apply** to take the first step toward making an impact. The future of healthcare needs you – apply today!"

▸ **Tuition Fees:**

€5000 for the entire program
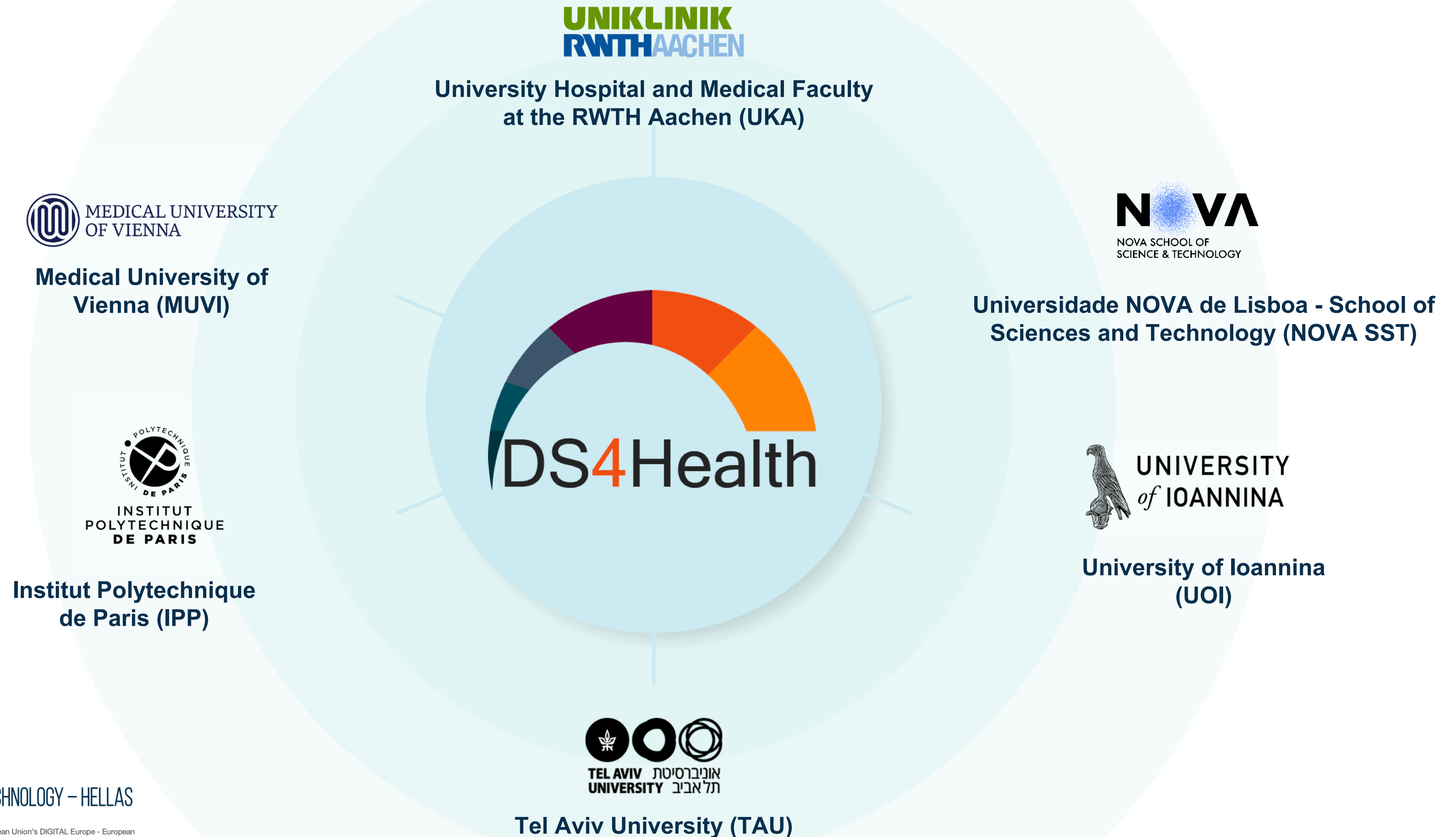
▸ **Financial Aid:**

Scholarships according to academic performance criteria

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▸ Six collaborating universities / Digital Skills for Healthcare Transformation (DS4Health)

▸ This provides students with the opportunity to take courses at different universities through an **exchange program**

▸ Professional alliances through partnerships with top institutions and businesses, enhancing your industry connections and career prospects.

▸ The **University of Ioannina (UOI)**, through its **Medical Technology and Intelligent Information Systems Unit (MedLab)**, has designed the Master's in Digital Health curriculum based on extensive expertise in **biomedical engineering** and **intelligent information systems.**MedLab's commitment to **AI-driven healthcare solutions** and **personalized medicine**, directly shaping the curriculum's focus on practical applications of AI and data science in healthcare.

▸ Career opportunities

▸ **Prospective Careers:**
Roles in research institutes, universities, hospitals, health agencies, and pharmaceutical, medical devices companies and tech companies.

▸ **Professional Alliances**:
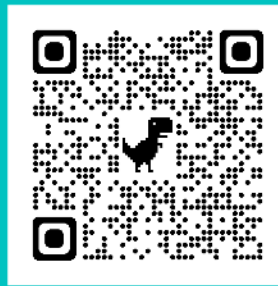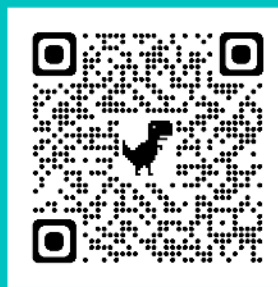Partnerships with leading institutions and businesses

Contact Information

Contact Information

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Visit **ds4health.uoi.gr** and start your journey in Digital Health today!

https://ds4health.uoi.gr/

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