May 19, 2025

VASILIKI (VICKY) FISKA
Research & Development Associate
MEng Informatics & Telecommunications - MSc Medical Informatics

Admissions Committee
Joint Master's programme Managing the Digital Transformation in the Health Sector (ManagiDiTH)

Dear Members of the Admissions Committee,

I am writing to express my strong interest for the Joint Master's Programme in Managing the Digital Transformation in the Health Sector (ManagiDiTH). Having reviewed the programme's objectives—particularly its emphasis on data-driven clinical innovation, process reorganization, and cross-institutional collaboration—I am convinced that ManagiDiTH is uniquely positioned to deepen my expertise at the intersection of engineering, healthcare, and digital strategy.

My name is Vicky Fiska, I hold an integrated Master's in Informatics and Telecommunications Engineering, an MSc in Medical Informatics, and I am currently pursuing a PhD in Biomedical Engineering at the University of Western Macedonia. During my MSc I designed and developed a wearable exoskeletal device for hand rehabilitation, integrating multi-sensor fusion, control algorithms, and soft-robotic actuation into a patient-centered system. This project sharpened my technical abilities and deepened my commitment to using technology for real-world clinical benefit. As a Research Associate at the Brain, Health and Vision Group of CERTH's Information Technologies Institute, I design AI-driven modules, built machine-learning pipelines, implement secure backend microservices, and develop intuitive front-end interfaces for full-stack eHealth platforms. Concurrently, at the Medical Physics and Digital Innovation Laboratory of Aristotle University's School of Medicine, I work on the design, construction and testing of wearable robotic devices and software applications. In both roles, my projects are supported by national and European research grants. Through these roles, I have learned to translate complex clinical challenges into reliable software and hardware solutions, while collaborating effectively with multidisciplinary teams.

I believe that digital transformation in healthcare is more than an upgrade of technology—it is a strategic imperative that can shift care models from reactive to predictive, improving outcomes and access for diverse populations. The interdisciplinary curriculum of ManagiDiTH, combined with its consortium of European partners, offers the ideal environment for me to explore data science, information systems, and change management in real-world settings. I am particularly eager to engage with different healthcare systems, share best practices, and contribute to pioneering digital initiatives.

Looking ahead, I plan to leverage the methodologies and professional network offered by this Master's programme to establish an academic career in digital health. I envision leading interdisciplinary research that develops both robotic and non-robotic medical software and devices, with a special focus on personalized eHealth solutions. My long-term goal is to apply the expertise gained in this Master's programme to research at the intersection of wearable robotics and digital transformation—creating AI-driven decision-support platforms and pioneering wearable technologies that redefine care delivery.

Thank you for considering my application. I am excited about the prospect of contributing to and growing within the ManagiDiTH community, and I look forward to the opportunity to collaborate with your esteemed faculty and fellow students.

Sincerely,
Vicky Fiska

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