

Press release

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Inetum experts train ECE engineers in AI applications in the healthcare field

The first year of the AI and Healthcare research chair provided by Inetum has just ended with the final exams for students enrolled in the ECE's 'Health & Technology' major. A curriculum stemming from a shared desire to support healthcare professions with a pragmatic approach to new technologies and Artificial Intelligence applications.

Inetum, a leader in digital services and solutions in Europe, and ECE, a leading engineering school in Paris, Bordeaux and Lyon, launched the AI & Healthcare research chair a year ago to ensure that future engineers in the sector are taught as closely as possible to what is happening in the field. In this way, the understanding of uses and needs, which are constantly evolving, contributes to accelerating the positive impact of digital technology in order to develop concrete solutions today and design those of tomorrow. *'The ECE's Health & Technology major has existed for 8 years. It trains about 50 students per year. 'We have excellent teaching programmes, and we are delighted that Inetum contributes to them through this AI & Healthcare research chair', explains Frédéric Ravaut, Head of the 'Health & Technology' Major and Disability Advisor at the ECE.*

The objective is to train the best engineers. The ECE's Health & Technology major, through its HANDITECH programme, has, in particular, contributed to the creation of the start-up Wyes (When your eyes speak), which won the Vivatch 2021 award for best innovation for its inclusive communication and AI devices for people with disabilities. *'For this AI & Healthcare research chair, Inetum involved four experts in Healthcare, Innovation and Data in the various areas of Artificial Intelligence. It is essential for us to create a link with leading professionals and the e-health ecosystem as a whole. The ECE has been an active member of France BioTech, an association bringing together the main entrepreneurs in HealthTech and MedTech, for the past three years,' explains Frédéric Ravaut.*

Jean-François Penciolelli, Head of Healthcare Sector at Inetum, states: *'The teaching units were specifically co-constructed with the ECE.'* For future engineers, the aim is to understand AI in order to better understand its application in the healthcare industry. What is AI? What is its history? What are its areas of intervention? *'This enables them to understand the issues and impacts on healthcare professions with concrete use cases and an important focus on the data exploited and valued. We integrate the AI ethics and responsibility framework. And we provide them with valuable knowledge in all areas of AI: strong and weak AI, symbolic and numerical approaches, deterministic or non-deterministic algorithms, machine learning, neural networks, etc.'*, explains Jean-François Penciolelli. Jean-Paul Muller, Global Practice Manager AI, Laurence Houdeville, Global Practice Manager Data, and Hervé De-Belenet, Global Health Manager, are the three other Inetum expert contributors to this AI & Healthcare research chair.

Inetum is involved in this partnership as part of its educational relationships. The IT Service Company is recruiting 3,000 new employees in France (of which 20% are under 26 years old) and 7,000 worldwide to

bolster its team of experts. Of these, 16% are on work experience placements or apprenticeship contracts, most of them from its partner schools. In the field of AI & Healthcare, Inetum offers positions for Data Analysts, Data Scientists, and Data Architects on national and international projects for clients in healthcare organisations and agencies, as well as pharmaceutical laboratories and medical device suppliers.

About Inetum, Positive digital flow:

Inetum is an agile IT services company that provides digital services and solutions, and a global group that helps companies and institutions to get the most out of digital flow. In a context of perpetual movement, where needs and usages are constantly being reinvented, the Inetum group is committed towards all these players to innovate, continue to adapt, and stay ahead. With its multi-expert profile, Inetum offers its clients a unique combination of proximity, a sectoral organisation, and solutions of industrial quality. Operating in more than 26 countries, the Group has nearly 27,000 employees and in 2021 generated revenues of €2.2 billion.

About the ECE:

Founded in Paris in 1919, member of the first private operator of French higher education, OMNES Education, the ECE is a multi-campus, multi-programme, multi-sector engineering school, specialised in digital engineering, combining systems engineering; computer science and networks; data science and artificial intelligence. The ECE is accredited by the Commission des Titres d'Ingénieur (CTI) to award engineering degrees. It trains engineers and experts in 21st century technologies who are able to take up the challenges of the twofold revolution of digital technology and sustainable development. A school where anything is possible, the ECE offers three higher education programmes: the Bachelor's degree programme (3-year university degree), the Grande Ecole d'Ingénieurs programme (5-year university degree), and the MSc programme (5-year university degree). Projects are an essential component of the ECE's pedagogy: its Valorisation des Projets Étudiants (VPE) programme has been labelled an IDEFI (Initiative d'Excellence en Formation Innovante - Excellence initiative in Innovative Education). The school actively encourages its students to be entrepreneurial with, for example, its 'StartUp Factory' programme of excellence in San Francisco, its FabLab and its incubator. All of its students spend time abroad at one of the school's 150 partner universities around the world. The school's nearly 1,000 corporate and public partners offer students a wide variety of work placements and apprenticeship contracts. Aligned with the disciplines taught at the school, the ECE research centre guarantees its academic excellence, while teaching students the scientific research approach that will be useful to them whatever their career path.

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