

## Search for a Spanish Partner for a Bilateral R&D Project

Organization	
<b>Date of Request:</b>	23 <sup>rd</sup> January 2023
<b>Company name:</b>	University of Sharjah – College of Computing and Informatics – Department of Computer Science
<b>Contact person and title/designation:</b>	<ul style="list-style-type: none"> <li>- Dr. <b>Isam Mashhour Al Jawarneh</b> – Assistant Professor</li> <li>- Prof. <b>Saad Harous</b> – Full Professor</li> </ul>
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### SECTION 1: Entity launching the partner search

*(Please give brief / to the point explanations. For more explanation on any point below, you may add a short paragraph as an annexure, with this document.)*

<b>Sector</b>	Education and research
<b>Entity mission or core functions</b>	<ol style="list-style-type: none"> <li>1. Doctoral and master studies in variety of technical fields, including computer science and data science, in addition to conducting high quality research.</li> <li>2. providing a world-class educational experience that prepares lifelong learners and leaders with integrated knowledge and skills.</li> <li>3. building a collaborative and sustainable environment that cultivates twenty-first century skills and fosters pioneering research and scholarship.</li> </ol>
<b>Date of establishment</b>	1997
<b>Ownership (if public and traded, add stock exchange and ticker symbol)</b>	Semi government

Total number of employees	2423
Number of employees in R&D	995
Key products sold or services provided	<ol style="list-style-type: none"> <li>1. High quality standards of higher education and scientific research.</li> <li>2. Fruitful collaboration with industry and technology transfer efforts through defined channels.</li> <li>3. Higher education and scientific research in various fields of Computer Science and Data Science.</li> </ol>
Entity core technical competences	Cutting edge research in variety of areas, state-of-the-art research facilities to conduct research in various fields, including Computer Science, Data Science and Artificial Intelligence. For example, in Big Data Management, IoT, Smart Cities, Cloud and Edge Computing, Digital Twins.
Key R&D programs and activities	<ul style="list-style-type: none"> <li>- Postgraduate programs in Computer Science, Artificial Intelligence and Data Science.</li> <li>- Funded research projects.</li> <li>- Research centers in various fields of computer science and data science.</li> </ul>
Examples of accomplishments	<ul style="list-style-type: none"> <li>- University of Sharjah ranked 1<sup>st</sup> in the United Arab Emirates.</li> <li>- High quality research presented in high impact venues and published in prestigious journals.</li> <li>- International and national funded research projects</li> </ul>
Company strategic orientation	<ul style="list-style-type: none"> <li>- Novel and a variety of approaches to knowledge transfer in various fields of computer science and data science to support services that have positive impact on the wider society. Thus, serving as a source of advanced knowledge and contributing to the forward development of the community.</li> <li>- University of Sharjah ranked 1<sup>st</sup> in the United Arab Emirates</li> </ul>

## SECTION 2: Spanish Company Profile

(Please provide a brief summary of the prospective partner company or organization. This summary may address some or all of the points below)

Profile of ideal technology partner	Startup from a depopulated area working on health informatics technologies. A company that can transform big health-related data into insights through the application of appropriate tools and development of software applications that are at the forefront of health informatics.
Core technological competencies and expertise	Development of platforms for offering healthcare services mainly for elderly people.
Other essential qualifications (e.g.: ownership, track records etc.)	A wide expertise in developing health informatics solutions for the benefit of the health of city dwellers and the wider community
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details	1) <b>Company:</b> Health and Aging Tech S.L. <b>Contact details:</b> Javier Berrocal Olmeda. <b>E-mail:</b> jgaralo@agingtech.es 2) <b>Company:</b> Global Process and Product Improvement S.L. <b>Contact details:</b> Javier Miranda <b>E-mail:</b> jmiranda@glain.es
If you are interested in collaboration: please specify details and other important information you want to share with a potential company	Prof. Saad Harous and Dr. Isam Al Jawarneh have a wide expertise in designing emerging and distinguished Cloud- and Edge-based computing solutions, which promote the exploration and exploitation of big data for designing novel health-aware solutions. They have a wide network of contacts in Middle East and Europe, and they can promote the usage of big data for improving the quality of life of people.
Interested areas of collaboration	Internet of Things and Healthcare
Specific R&D contribution you are seeking/offering	We will offer a wide expertise in designing a Cloud- and Edge-based solution architecture, so that we facilitate collaboration with the above-mentioned Spanish companies in an aim to produce a tangible product that is a potential candidate for technology transfer.



**Signature**

**Name: Isam Mashhour Al Jawarneh**

**Date: 23 January 2023**