IMPACT SUCCESS STORIES

HNN3.0
HEALTH-NCP-NET

Leveraging AI based technology to transform the future of health care delivery in Leading Hospitals in Europe (RISCC) screening

The EU-funded ODIN project, in response to the challenges faced by European hospitals during the COVID-19 pandemic, aims to address 11 key hospital care challenges by integrating robotics, IoT, and AI. This initiative focuses on easing the burden on hospital staff through the use of autonomous and collaborative robots, offering various assistance services ranging from clinical to logistical. The project's main objective is to promote data-driven procedures and management in healthcare.

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1. **Describe your project through three key words / key phrases that identify it.**

   Robots, hospital, Innovation.

2. **In terms of impact, what are the most concrete results your project has or will achieve?**

   The MUL component of the ODIN project aims to enhance healthcare efficiency and patient care by using robotics for the transportation of delicate clinical specimens, such as blood samples, in hospitals. This initiative particularly focuses on elderly patients in emergency units, who may have conditions like Clostridium difficile infections. By automating the transportation of fragile samples that cannot be sent via pneumatic post, the project eases the physical workload of nursing staff. This allows nurses to devote more time and attention to critical patient needs, such as emotional support in high-stress environments like emergency rooms. Overall, the ODIN technology is expected to improve the quality of life and wellbeing of elderly patients by facilitating quicker testing and diagnosis.

3. **Please describe your project overall impact at the European level**

   The project aims to foster cross-border collaboration in Europe, setting a standard for healthcare innovation and enhancing resilience in preparation for future health crises.

Additionally, it has the potential to influence EU policies and encourage increased funding for technology-driven healthcare initiatives, significantly impacting healthcare at the European level.

4. **As an applicant, what advice would you have wanted in the Horizon project design process? What support did you receive from National Contact point (NCP) and your organisation, and what improvement of support would you benefit from?**

   As an applicant in the Horizon project design process, essential advice and support would have included networking and communication through tailored information sessions and workshops, practical guidance on the application process, and assistance in building strong consortia. Support in pre-screening reliable project partners, detailed review and feedback on proposals, budget planning, financial management, and advice on intellectual property and legal aspects would have been highly beneficial. Additionally, help in identifying complementary funding lines, promoting our project's results, and finding commercialization opportunities would have greatly enhanced our project's impact and success.

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