

PROJECT CHALLENGE 2

Help healthcare professionals in their daily work with patients, with highly interactive solutions that boost the best treatment to patients lowering unnecessary and repetitive tasks.

With the current new range of devices, from tablets to smart-glasses, and the complement of patient recognition technologies (face recognition, NFC, marker recognition, etc.) students will be able to conceptualize new procedures in order to minimize healthcare work and better monitor, track and support their daily work with them.



Many possibilities are available in this context. The objective is mainly thought for hospital and other patient houses, where professionals have to constantly have to attend large number of patients. The automatic patient identification, using several technological possibilities and devices, and the automatic complement of the required information for the professional, with an intuitive, visual and easy interface of the actions required, can provide comfort and less error prone procedures in every action the professionals must carry out.

To support healthcare professionals' work, conceptualize digital solutions that meets the following needs:

- What current devices can be used, taking into account to offer the most comfortable and less intrusive technology compatible with professionals' tasks. These devices can be from just tablets or smart-glasses, with camera and NFC technology, for face recognition, marker recognition etc. and a very specific interface that matches patient profile and required actions for the professional

- Automatic monitoring and validation of any task carried out by the professional, with the main goal to provide the better attention to the patient and minimizing any possible error
- The system should be perfectly integrated into the health control system, where a control panel accessible by those responsible of the treatments could adapt necessities, visualize evolutions and degree of control of the patients

Possible suggestions for what the solution might look like

- Current high-end smartwatches, mobile devices of tablets, smart-glasses (vuzix, google glass enterprise etc.) with ergonomic and easy to use actions as main challenge
- Easy configuration of the device to the specific needs and skills of the healthcare professional
- Conceptualization of task-oriented interface for the different devices

What skills are needed to produce a solution?

- Social and health skills, services for patients
- Digitization and application skills
- Service design, customer experience, customer orientation